दक्षिण बिहार केन्द्रीय विश्वविद्यालय
संसद के अधिनियम द्वारा स्थापित

CENTRAL UNIVERSITY OF SOUTH BIHAR

[Established by an act of Parliament]

(Accredited with Grade 'A++' by NAAC)

PROSPECTUS 2025-26

PREFACE

Since the inception of the National Education Policy (NEP) 2020, the Central University of South Bihar has been committed to its thoughtful and effective implementation, ensuring that its principles are translated into both spirit and practice.

The intricate process of developing a comprehensive roadmap for NEP implementation was undertaken by the Task Force, which engaged in a series of insightful discussions to address various provisions of the policy. In its dedication to fostering inclusivity and excellence, the Task Force not only conducted thoughtful internal deliberations but also actively sought open feedback from faculty members on the draft document.

I wholeheartedly commend the Task Force for its diligent efforts in integrating diverse perspectives into the framework, enriching the document through broad-based consultation and collaborative refinement. Their commitment to ensuring a well-rounded and effective implementation of NEP is truly commendable.

I firmly believe that the implementation of this Model Framework will serve as a catalyst for academic excellence, research advancement, and innovation within our university. To achieve the desired outcomes, it is essential to continuously monitor progress, ensure a **sys**tematic phased implementation**,** and conduct periodic reviews for sustained effectiveness.

I feel privileged to formally acknowledge and express my deep gratitude to the Hon'ble Minister, Ministry of Education, Government of India (GoI); Chairman, University Grants Commission; Secretary, Ministry of Education, GoI; and the esteemed members of the Executive Council and Academic Council of the University**.** Their steadfast guidance, unwavering support, and invaluable motivation have played a crucial role in shaping this Model Framework document for our institution. I firmly believe that the implementation of this Model Framework will serve as a catalyst for academic excellence, research advancement, and innovation within our university. To achieve the desired outcomes, it is essential to continuously monitor progress, ensure a systematic phased implementation, and conduct periodic reviews for sustained effectiveness.

Prof. Kameshwar Nath Singh
Vice-Chancellor, CUSB

Contents

About the University

The Central University of South Bihar (CUSB) is one amongst the sixteen Central Universities established in 2009 by Central Universities Act, 2009 (section 25 of 2009) of Parliament. The campus of the University is spread over about 300 acres of land located at Gaya-Panchanpur Road, about 15 kms. from Gaya railway station.

As stated in Section 5 of the Act, the objective of the University shall be:*"... to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to make special provisions for integrated courses in humanities, social sciences, and technology in its educational programmes; to take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research; to educate and train manpower for the development of the country; to establish linkages with industries for the promotion of science and technology; and to pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development."*

The Central University of South Bihar embarked on its academic journey in 2009, initially operating from the BIT Patna campus with the launch of its Master's programme in Development Studies. Over the years, the university steadily expanded its academic offerings, introducing new Master's level courses across Basic and Applied Sciences and Humanities in 2010-11, 2011-12, and 2012-13.

In 2013-14, the university took a significant leap forward by launching Integrated Undergraduate programmes in Education and Law, along with Integrated M.Phil.-Ph.D. programmes in select departments. The academic landscape has since flourished, and today, the university proudly offers 01 Diploma Programme, 05 Undergraduate, 28 Postgraduate, 17 UG-PG Integrated Programmes and 24 Ph.D. programmes, delivered through 25 Departments established under 12 approved Schools.

From the academic year 2016-17, the university further strengthened its research ecosystem by introducing Ph.D. programmes across all departments, in alignment with the UGC (Minimum Standard and Procedure for Award of M.Phil./Ph.D. Degree) Regulations, 2016.

With a world-class faculty, an excellent teacher-student ratio, and state-of-the-art lab facilities—recognized as unparalleled in Bihar—the university fosters an enriching and research-driven academic environment. It adopts the Choice-Based Credit System (CBCS) with a total internal evaluation mechanism, ensuring a dynamic and student-centric approach to learning.

The university stands out for its multidisciplinary approach, innovative pedagogies, promising infrastructure, and robust student support systems, all aimed at holistic development and future preparedness. Testament to its academic rigor, a significant number of its students have successfully qualified for JRF, NET, GATE, and GRE, securing esteemed positions in industry and globally reputed institutions while earning accolades across various fields.

SALIENT FEATURES OF ACADEMIC CURRICULUM

1. Semester System: The semester system is implemented across all academic programmes to expand curricular space and foster accelerated learning opportunities. This structure further strengthens the ability to accommodate diverse academic choices, empowering dynamic and motivated students to explore and engage with varied learning experiences.

In alignment with academic programme requirements, the university's academic bodies undertake key decisions regarding student-faculty contact hours, the development of a credit system to determine the quantum of learning, and time allocation for various educational components. These include classroom instruction, participatory teaching-learning processes, fieldwork, lab sessions, workshops, seminars, excursions, internships, and other vital curricular activities designed to enrich students' academic journeys.

2. Choice Based Credit System (CBCS): The Choice-Based Credit System (CBCS) offers a range of unique features that significantly enhance the learning experience while catering to the scholastic needs and aspirations of students. It enables horizontal mobility within and across Schools and Departments, promotes inter-institutional transferability, and fosters innovation and comparability of educational programmes nationwide.

CBCS plays a pivotal role in improving educational quality and excellence, offering flexibility for working students to complete their programmes over an extended period of time. By enabling vertical integration of knowledge, it nurtures holistic development, empowering students to tailor their academic journey to their interests and career goals.

03. Evaluation System: Continuous Internal Evaluation is the central feature of the evaluation system of this University. The teacher who offers the course is the best person to assess the performance of his students. Appropriate mechanism has been devised to ensure transparency and accountability in internal assessment and End-semester evaluation.

04. Infrastructure and Ambience: All appropriate steps are taken to create and maintain infrastructure for quality teaching and research as per requirements. The University has the facilities of digitalized library, modern labs, and smart class rooms, separate hostels for boys and girls and facilities for sports and cultural activities.

05. Faculty Members: The Central University of South Bihar boasts a distinguished faculty of 177 members, including highly accomplished scholars who serve as senior faculty. An overwhelming majority hold Ph.D. or D.Lit. degrees, with many bringing postdoctoral experience from premier institutions in India and abroad. With faculty members hailing from 24 different states and three union territories, the university cultivates a truly diverse and inclusive academic environment. This rich intellectual tapestry fosters collaborative learning, interdisciplinary research, and dynamic scholarly exchange, shaping a hub of innovation and academic excellence.

06. Governance: The Central University of South Bihar follows a decentralized and participative system of governance, ensuring alignment with the mandate stated in the Act and Statutes of the University. Faculty members actively contribute to decision-making processes by serving on various committees and academic bodies.

The university's governance structure includes key Statutory Bodies such as the Court (apex body), Executive Council, Academic Council, and Finance Committee, which collectively oversee institutional policies and strategic decisions.

At the departmental level, the Board of Studies (BoS) plays a pivotal role in curriculum development, ensuring academic rigor and relevance. Each department operates with a Departmental Committee, facilitating academic initiatives and proposals, which are reviewed at the Department and School level before final approval by the Academic Council.

To ensure long-term institutional planning, the university has established a Planning and Development Board, dedicated to shaping future academic and infrastructural growth. Additionally, the Building & Works Committee supervises the Campus Development Project, ensuring a sustainable and progressive expansion of facilities.

07. Admission & National Character: The Central University of South Bihar upholds a transparent and merit-driven admission process, conducting admission tests on an All-India basis. This approach has strengthened the university's national character, attracting a diverse student body from 25 states and two union territories. By fostering an inclusive, multidisciplinary learning environment, the university creates a dynamic space for intellectual growth, cultural exchange, and academic excellence.

06. Scholarships: All research scholars get UGC scholarship. Besides, the University has several types of scholarship schemes of its own.

07. Student Support System: Students are facilitated with a support system in multiple forms such as computing lab, library, hostels, transportation, health care etc. There are various forums and committees such as Psychological Counselling Forum, Grievance Redressal Cell, SC/ST/OBC/ Minority Cell, Anti-discrimination Cell, and Anti-ragging Committee to help students.

08.Students' Achievement: The University has a good track record of students qualifying for UGC-CSIR, GATE, GRE and other national and international examinations and winning awards in various educational events and other competitions. Students have been placed in many organizations of national repute, also through campus selection.

09. Quality Management: The Internal Quality Assurance Cell (IQAC) is established to ensure progressive improvement in efficiency of the University functioning.

10.NAAC Ranking: The University has been awarded Grade 'A++' in 2023 by NAAC.

Vision, Mission and Objective of the University

Vision

To develop enlightened citizenship of a knowledge society for peace and prosperity of individuals, nation and the world, through promotion of innovation, creative endeavors, and scholarly inquiry and to be global destination for higher education and research.

Mission

To serve as a beacon of change through multidisciplinary learning, fostering a vibrant knowledge community built on strong character, ethical transparency, and value-driven work culture. By nurturing creativity and critical thinking, we aim to promote holistic development and self-sustenance for the people of India.The University seeks to achieve this objective by cultivating an environment of excellence in teaching, research and innovation in pure and applied areas.

Objectives of the University

(As stated in Section 5 of the Act)
  I. To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit
 II. To make special provisions for integrated courses in humanities, social sciences, and technology in its educational programmes
III. To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research
 IV. To educate and train manpower for the development of the country
  V. To establish linkages with industries for the promotion of science and technology
 VI. To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development

Academic Units and Programmes offered by the University

UNDERGRADUATE AND INTEGRATED UG - PG PROGRAMMES OFFERED IN THE
ACADEMIC YEAR – 2025 -26

Sl. No.	Degree / Programme/ Course offered	Domain/ General/ Optional Languages mapped to the Programmes (For CUET Purpose)	Eligibility for the programme
1	5 Year Integrated BA. LLB (Hons.)	General Aptitude Test, English	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 45% marks for General /OBC/EWS and 40% marks for SC / ST / PWD candidate.
2	5 Year Integrated BBA. LLB	General Aptitude Test, English	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 45% marks for General /OBC/EWS and 40% marks for SC / ST / PWD candidate.
3	4 Year B. Sc.(Hons.) in Agriculture	Chemestry and Agriculture / Biology / Mathmetics / Physics	10+2/Intermediate in Agriculture or in Science (withPhysics+Chemistry+Biology/Mathematics) with at least 50% marks for General / OBC /EWS and 45% marks for SC / ST/Third gender/PWD candidate.
4	4 Year Integrated B.A.B.Ed.	General Aptitude Test, English	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 50% marks for General / OBC/EWS and 45% marks for SC / ST/PWD candidate.
5	4 Year Integrated B.Sc.B.Ed.	General Aptitude Test, English,	10+2 or equivalent examination in Science stream from any recognized Board/ University with at least 50% marks for General /OBC/EWS and 45% marks for SC / ST / PWD candidate.
6	5-year Integrated UG-PG in Geography	General Aptitude Test	Passed Std. XII Certificate or equivalent examination in any stream from any recognized Board/ University with at least 50% marks for General/OBC/EWS and 45% marks for SC / ST /PWD candidate.
7	5-year Integrated UG-PG in Statistics	General Aptitude Test or Mathematics / Applied Mathematics	10+2 in Science Stream or equivalent any recognized board in India with Mathematics as one of the optional subjects having 50% marks or equivalent grade in aggregate for general category and 45% or equivalent grade for SC/ST/OBCPWD/EWS candidates.
8	5-year Integrated UG-PG in Chemistry	General Aptitude Test and Chemistry	10+2 or equivalent examination in Science stream from any recognized Board/ University with at least 50% marks for General/OBC/EWS and 45% marks for SC / ST /PWD candidate.

9	5-year Integrated UG-PG in Mathematics	General Aptitude Test and Mathematics/Applied Mathematics	10+2 or equivalent examination with Matheatics as one of the subject from any recognized Board/ University with at least 50% marks for General /OBC/EWS and 45% marks for SC / ST / PWD candidate.
10	5-year Integrated UG-PG in Psychology	General Aptitude Test	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 50 % marks for General/ OBC and 45% marks for SC/ ST/ PWD candidate.
11	5-year Integrated UG-PG in Political Science and IR	General Aptitude Test and Political Science	XII in any discipline from any recognized Board with a minimum of 50% marks for General/OBC/EWS candidates and 45% marks for SC/ST/PWD candidates.
12	5-year Integrated UG-PG in History	General Aptitude Test and History	10+2 or any equivalent examination from any recognized board/university/council with atleast 50 % marks for General/OBC/EWS and 45% marks for SC/ST/PWD Candidates.
13	5-year Integrated UG-PG in Sociology	General Aptitude Test	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 45% marks for General /OBC/EWS and 40% marks for SC / ST / PWD candidate.
14	5-year Integrated UG-PG in Physics	Physics	10+2 or equivalent examination in science stream with Physics from any recognized Board/ University with at least 45% marks for General /OBC/EWS and 40% marks for SC/ST/PWD candidate.
15	5-year Integrated UG-PG in English	General Aptitude Test and English	A student shall be required to have the Higher Secondary School Certificate (Std. XII) Examination conducted by the recognized Boards at National or State Level or equivalent body, after successful completion of Std. XII or equivalent stage of education along with 50% marks or equivalent grades in aggregate for GEN/OBC/EWS category and 45% or equivalent grade for SC/ST/PWD candidates.
16	5-year Integrated UG-PG in Economics	General Aptitude Test	The candidate must have passed Class XII or its equivalent examination (in Arts,Commerce or Science stream with Economics/Mathematics as a subject) from a recognised board.
17	5 Years Integrated UG- PG in Commerce	General Aptitude Test and Accountancy/Book Keeping	10+2 or equivalent examination in any stream(With Accounting orEconomics or Mathematics) from any recognized Board/ Universitywith at least 55% marks for General /OBC/EWS and 45% marksfor SC / ST / PWD candidate

18	5-year Integrated UG-PG in Hindi	General Aptitude Test and Hindi	10+2 or equivalent examination with Hindi as one of the subject from any recognized Board/ University with at least 50% marks for General / OBC/EWS and 45% marks for SC / ST/PWD candidate.
19	5-year Integrated UG-PG Programme in Computer Science (with an option of Specilization in Artificial Intelligence)	General Aptitude Test and Computer Science	The candidate should have passed class 12 from a recognized board in Science Stream with Mathematics as a subject with at least 55% marks for General/OBC/EWS and 50% marks for SC / ST / PWD candidate.
20	2 Year Diploma in Pharmacy Subject	General Aptitude Test	50% in 10+2 with PCM/PCB from any recognized Board or equivalent. Max. age limit: 25 years
21	5-year Integrated UG-PG Programme in Life Science (With specilization in Zoology/Botany)	General Aptitude Test and Biology/Biological Studies	10+2 or equivalent examination in GeneralScience, Biology, Chemistry, Physics with at least 50% marks for Gen/OBC/EWS and at least 45% for SC/ST/ PWD candidates.
22	5-year Integrated UG-PG in Geology	General Aptitude Test	The candidate must pass the 10+2 or equivalent examination in science stream with the subject combination of Physics, Chemistry, Mathematics/ Biology from any recognized Board / University with at least 50% marks for General /OBC/EWS and 45 % marks for SC/ST/PWD candidate
23	5 year Integrated UG-PG in Journalism and Mass Communication	General Aptitude Test	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 45% marks for General / OBC/EWS and 40% marks for SC / ST/PWD candidates

POST GRADUATE PROGRAMMES OFFERED IN THE ACADEMIC YEAR – 2025 -26

Sl. No	Programme (Subject)	Degree	Eligibility
1	Commerce	M.Com	Bachelor's in Commerce from any recognized University with a minimum of 50% marks for General / OBC / EWS candidates and 45% marks for SC/ST / PWD candidates.
2	Law	LLM	3-Year LL.B. after Graduation under 10+2+3 pattern or 5-year (Integrated) LL.B. under 10+2+5 pattern recognized by the Bar Council of India securing a minimum of 50% marks in the aggregate in LL. B. 3 year/ 5 year (Integrated) Degree.
3	Education	M. Ed.	B.Ed. Or Four Year Integrated B.A B.Ed/B.Sc.B.Ed. Degree from any recognized University/institution with atleast 50% marks or equivalent grade for General/OBC /EWS candidates and 45% marks for SC/ST / PWD candidates.
4	Physical Education	M.P.Ed	Bachelor of Physical Education (B.P.Ed.)/B.Sc. Health & Physical Education with 55% marks for General/OBC/EWS candidates and 50% marks for SC/ST/PWD candidates.
5	Economics	M.A. in Economics	Bachelor's Degree from a recognized university having Economics/Commerce/Statistics/ Mathematics as a subject (Hons./General) with a minimum of 45% marks for General / OBC/EWS candidates and 40% marks for SC/ST / PWD candidates.
6	Journalism & Mass Communication	M.A. in Journalism & Mass Communication	Bachelor's Degree in any discipline from recognized University with a minimum of 55% marks for General / OBC/EWS candidates and 50% marks for SC/ST / PWD candidates.
7	History	M.A. in History	Bachelor's degree in any discipline from recognized university with a minimum of 50% marks for General/OBC/EWS/ candidates and 45% marks for SC/ST/PWD candidates
8	Political Science and International Relations	M.A. in Political Science and International Relations	Bachelor's Degree in any discipline from any recognized University with a minimum of 50% marks for General / OBC/EWS candidates and 45% marks for SC/ST / PWD candidates.

9	English	M.A. in English	Bachelor's Degree in any discipline having English compulsory subject (Hons./Pass/General) with a mini 50% marks for General / OBC/EWS candidates and 45% for SC/ST / PWD category candidates from any rec University.
10	Hindi	M.A. in Hindi	Bachelor's Degree in any discipline from any rec University with a minimum of 50% marks for Ge OBC/EWS candidates and 45% marks for SC/ST candidates.
11	Sociology	M.A. in Sociology	Bachelor's Degree in any subject from any recognized Un with a minimum of 50% marks for General / OB candidates and 45% marks for SC/ST / PWD candidates.
12	Social Work	MSW	Bachelor's Degree in any subject from any recognized Un with a minimum of 50% marks for General / OBC candidates and 45% marks for SC/ST / PWD candidates.
13	Geography	M.A./M.Sc. in Geography	Bachelor's Degree with Geography with a minimum marks from any recognised university for General/OB candidates and 50% marks for SC/ST/PWD candidates.
14	Psychology	M.A./M.Sc in Psychology	Bachelor's Degree with Psychology/ sciences sciences/social sciences/life sciences/ Sciences/Engineering with a minimum of 50% marks fr recognised university for General/OBC/EWS candida 45% marks for SC/ST/PWD candidates
15	Mathematics	M.A./M.Sc. in Mathematics	Bachelor's Degree from any recognised University but have studied Mathematics as a subject at least 3 years minimum of 55% marks for General / OBC /EWS ca and 50% marks for SC/ ST / PWD candidates.
16	Statistics	M.A./M.Sc. in Statistics	Bachelor's Degree from any recognized Universit Statistics/ Mathematics. B.Sc./B.Tech. in Computer S Computer Application/IT with at least one pa Statistics/Mathematics with a minimum of 50% ma General/OBC/EWS and 45% marks for SC/ST / PWD ca in the qualifying degree.

17	Data Science and Applied Statistics	Master in Data Science and Applied Statistics	Bachelor's Degree from any recognized Univer... Statistics/Mathematics. Or B.Sc./B.Tech. in Co... Science/ComputerApplication/InformationTechnology/AI/... Science. Or Bachelor's Degree in Physics/Economics ... least one paper in Mathematics/ Statistics with a mini... 50 % marks for General/EWS/OBC candidates and 45%... for SC/ST candidates in the qualifying degree.
18	Computer Science	M.Sc. In Computer Science	Bachelor's Degree from any recognised Universit... Computer Science/ Information Technology/ Co... Application or equivalentwith a minimum of 55% ma... General /OBC /EWS candidates and 50% marks for S... PWD candidates and having Mathematics as a subject ... level.
19	Artificial Intelligence	M.Sc. in Artificial Intelligence	Bachelor's Degree from any recognised Universit... Computer Science/ Information Technology/ Co... Application with a minimum of 55% marks for Genera... /EWS candidates and 50% marks for SC/ST / PWD cand... and having Mathematics as a subject at 10+2 level.
20	Chemistry	M.Sc. in Chemistry	B.Sc. degree or its equivalent with Chemistry as one... subjects or Integrated B.Sc.B.Ed. from a recognized Un... with minimum of 50% of marks or equivalent grade in ag... or in Honours for General /OBC/EWS and 45% or eq... grade for SC/ST / PWD candidates.
21	Physics	M.Sc. in Physics	B.Sc. with Physics or Integrated B.Sc. B.Ed with a mini... 55 % marks for General /OBC /EWS candidates and 50%... for SC/ST / PWD candidates from any recognized Unive...
22	Geology / Applied Geology	M.Sc. in Geology	Bachelor's degree in Geology from any recognized Un... with a minimum of 55% marks for General / EWS ... candidates and 50% marks for SC/ST/PWD candidates.
23	Environmental Sciences/Studies	M.Sc. Environmental Science	B. Sc. in basic or allied subjects/ B.Tech/B.E./B.Sc. Eng... B.Sc. Forestry with 55% marks for General /OBC/EWS a... marks for SC/ST/PWD candidates.
24	Biotechnology	M.Sc. in Biotechnology	Bachelor's degree in Biotechnology or any branch of B... Science (Microbiology/Biochemistry/ Bios... EnvironmentalScience/ Biomedical etc.) or B.Sc. (H... Zoology/Botany/ Chemistry or B.Sc. /Integrated B.Sc. ... three year duration with any of the two subjects among Z... Botany & Chemistry in 3rd year with a minimum of 55%... for General / OBC/EWS candidates and 50% marks for ... PWD candidates from any recognised University.

Ph.D. PROGRAMMES OFFERED IN THE ACADEMIC YEAR – 2025 -26

...iversity in Chemical,
...Science/IT/Agricultural
...y Science / medical
...nt Grade B in UGC 7-
... from 55 to 50% or
...C (Non creamy layer)/

...f the above discipline
...g Master 's Degree in

...sity in Biotechnology /
...ience/ Agricultural
...f Biological Science
...Biology/ Bioscience/
...medical) with 55% in
...GC 7-point scale. A
...r equivalent relaxation
...yer)/Differently abled

...rsity in any branch of
...biology/ Biochemistry/
...Science/ Biomedical/
...cience) with 55% in
...GC 7-point scale. A
...r equivalent relaxation
...yer)/Differently abled

25	Life Science	M.Sc. In Life Science	Bachelor's degree in any branch of Biological S... (Botany/Zoology/Microbiology/Biochemistry/Bioscience/B... hnology/Environmental Science/ Agricultural S... Biomedical) or Integrated B.Sc B.Ed. with a minimum o... marks for General/OBC/EWS candidates and 50% ma... SC/ST / PWD candidates.
26	Bioinformatics	M.Sc. In Bioinformatics	Bachelor's degree in Biological Sciences/ Agricultural S... Pharmaceutical Science/ Veterinary Science/ Medical S... Mathematics/ Physics/ Chemistry/ Computer S... Information Technology or Integrated B.Sc. B.Ed. wi... marks for General/OBC /EWS candidates and 50% ma... SC/ST/PWD candidates from any recognized University.
27	Pharmaceutics	M.Pharm	Bachelor's degree in Pharmacy from any recognized Un... approved by Pharmacy Council of India with 55% ma... General candidates and 50% in case of OBC /EWS/ SC/S... candidates. A candidate with valid GPAT Score will b... preference for admission; however such candidate has to... for Entrance Examinations.
28	Pharmacology	M.Pharm	Bachelor's degree in Pharmacy from any recognized Un... approved by Pharmacy Council of India with 55% ma... General candidates and 50% in case of OBC /EWS/ SC/S... candidates. A candidate with valid GPAT Score will b... preference for admission; however such candidate has to... for Entrance Examinations.

ry/ Physics/Biological
ology/Marine Biology/
cology/ Geophysics/
ement and other allied
nt Grade B in UGC 7-
from 55 to 50% or
/OBC (Non creamy

Applied Geology & M.
tial Techonology, P.G.
ith 55% in aggregiate
e. A relaxation of 5%
laxation of Grade for
baled candidates.

---

s in the aggregate or
ed candidate and 50%
de point average fro
disabled candidates in
logy, Pharmaceutical
cal Quality assurance,
y, Drug Regulatory
ogy, Phyloechemistry..

---

in the aggregate or
d candidate and 50%
de point average for
disabled candidates in
Phycology Kinesiology
Test Measurement &
aspects of Physical
ion.

---

recognised University
de B in UGC 7-point
5 to 50% or equivalent
amy layer)/Differently

---

ognised University with
UGC 7-point scale. A
r equivalent relaxation
yer)/Differently abled

CA/Equivalent with a
nt Grade B in UGC 7-
A Relaxation of 5% of
axation of Grade for
bled candidates.

/applied Chemistry or
medical chemistry,
ental science) from a
or its equivalent Grade
% of marks from 55 to
ST/OBC (Non creamy

University with 55% in
GC 7-point scale. A
or equivalent relaxation
yer)/Differently abled

in aggregate or its
. Relaxation of 5% of
axation of Grade for
bled candidates.

from any recognised
alent Grade B in UGC
rks from 55 to 50% or
/OBC (Non creamy

versity with 55% in
C 7-point scale. A
or equivalent relaxation
yer)/Differently abled

rnalism or Advertising
or its equivalent Grade
gnised University. A
or equivalent relaxation
yer)/Differently abled

conomics /Business
ment Economics/
or its equivalent Grade
ised University. A
or equivalent relaxation
yer)/Differently abled

% in aggregate or its
from any recognised
from 55 to 50% or
/OBC (Non creamy

5% in aggregate or its A Relaxation of 5% of axation of Grade for bled candidates.
um marks of 55% for /ST/OBC (non-creamy
d University with 55% scale. A Relaxation of elaxation of Grade for bled candidates.
5% in aggregate or its A Relaxation of 5% of axation of Grade for bled candidates.
with minimum 55% in C 7-point scale.   A r equivalent relaxation yer)/Differently abled
s in aggregate or its ale or an equivalent f 5% of marks from 55 for SC/ST/Differently

<div align="center">**Schools and Departments**</div>

SCHOOL OF AGRICULTURE AND DEVELOPMENT

Department of Agriculture

Agriculture: A Pillar of India's Economy

Agriculture—encompassing production, processing, promotion, and distribution of crops and livestock products—forms the backbone of the Indian economy, contributing significantly to employment generation and economic stability. With a vast percentage of the population engaged in agricultural activities, the sector stands as one of the largest industries and a vital source of livelihood across the country.

Agricultural Science: A Multidisciplinary Field with Promising Careers

Agricultural Science is a highly multidisciplinary domain, integrating scientific, technical, and business disciplines to drive efficient and sustainable food production in the agricultural-food industry and on farms. In India, it remains a preferred career choice among science students, offering opportunities in agricultural sales, agribusiness, food production, and research. Furthermore, higher studies and self-employment avenues in the field provide aspirants with a strong foundation to innovate and contribute to agricultural advancements.

Bihar: Agriculture as an Economic Driver

Agriculture is central to Bihar's economic framework, engaging 77% of the workforce and contributing approximately 24.84% to the State Domestic Product. The state's dependency on agriculture is notably higher than the national average, making it imperative to expand educational infrastructure in Agricultural Science to meet industry demands and enhance research-driven growth.

Need for Agricultural Universities in South Bihar

Despite agriculture's profound role in Bihar's economy, the South Bihar region lacks dedicated universities and institutes offering Agricultural Science as a regular undergraduate course. Establishing specialized agricultural institutions in this region would be instrumental in inspiring students, strengthening academic research, and accelerating the agricultural sector's overall development.

Vision

To create social and economic prosperity and well-being for the nation and world through the discoveries, learning and engagement. To produce agricultural graduates with high knowledge and competence by imparting practical and technical education through innovative and analytical approaches with an objective to create valuable manpower for sustainable agriculture, Agro- industry and contribution to the society.

Mission

We prepare students, create and apply unbiased knowledge through advances in science and technology and drive economic development to improve the quality of life in our nation and the world. We fulfill the land-grant mission by embracing an interdisciplinary approach to achieve new scientific breakthroughs that translate into discoveries and meet grand challenges involving food, farming, fiber, feed, families, health, energy, water and the environment.

- To provide the best possible infrastructure and facilities for innovative teaching and learning agricultural subjects.
- To establish a centre of excellence to promote academia – Agro-Industry interface and partnerships for enthusing competence of students as per needs of the Industry.

- To empower students with latest agricultural techniques and skills to promote their employability and encourage them to become agro-entrepreneurs, with emphasis on practical-oriented teaching to develop skills and analytical capability of students.

Programmes:

B.Sc. (Hons.) in Agriculture [Four years (Eight semesters)]

The B.Sc. (Hons.) Agriculture programme, with specializations in various fields of agricultural science, is designed to provide undergraduate students with a comprehensive learning experience that integrates teaching, practical training, and fieldwork. Through hands-on exploration of agricultural science, students will actively engage in experiential learning, gaining exposure to real-world agricultural challenges and innovations.

The programme emphasizes field investigations and collaborative research, partnering with government and quasi-government organizations, as well as offering consultancy services to agencies interested in agricultural advancements.

With its strong industry alignment, the programme is highly job-oriented, equipping students with the skills and knowledge required for maximum employability in agriculture-based industries, government sectors, and research institutions. Graduates will find ample opportunities for career growth in agribusiness, agricultural sales, food production, and policy development, fostering both professional success and contributions to the agricultural sector's sustainable development.

Career opportunities

A career in agriculture is part of one of the largest industries in India and serves as a vital source of employment across the country. Agriculture also plays a crucial role in driving the Indian economy.
- Food Corporation of India (FCI)
- National Banks and NABARD
- Different Industries based on agriculture sector (Fertilizer, Seed, Dairy, Food product)
- Ministry of Agriculture Recruitment
- ICAR Recruitment
- Agriculture star-up
- Others

Number of seats:

120 seats are available for admission to B.Sc. (Ag.) Part I course out of which 15% seats shall be reserved for SC, 7.5% seats for ST and 27% for OBC candidates, Divyang Candidates 5% of the intake (on horizontal reservation basis) as per Govt, of India directives (10% seats for super numeration)

Eligibility:

10+2/Intermediate in Agriculture or in Science (with Physics+Chemistry+ Biology/Mathematics) with at least 50% marks for General / OBC/EWS and 45% marks for SC/ST/PWD candidate.

Facilities and Resources:
- Research Farms (Agro and Horticultural farm)
- Poly-house and Green-house
- Sprinkler Irrigation System and Drip Irrigation System
- Submersible Pump
- Seed storage facilities

- Soil and Water Analysis laboratory
- Plant Science laboratory
- Fisheries Ponds
- Vermicomposting Units

Course Structure:

Discipline Wise Courses

Discipline	Course Code	Course Title	Credit Hours
Agricultural Economics &Statistics			
	AES-121	Fundamentals of Agricultural Economics	2(2+0)
	AES-201	Agriculture Finance and Cooperation	3(2+1)
	AES-202	Statistical Methods	2(1+1)
	AES-221	Agricultural Marketing Trade & Prices	3(2+1)
	AES-301	Agri-Informatics	2(1+1)
	AES-321	Farm Management, Production & Resource Economics	2(1+1)
	ELCT-AES-221	Agribusiness Management	3(2+1)
Agricultural Engineering			
	AGE-201	Farm Machinery and Power	2(1+1)
	AGE-221	Renewable energy and Green Technology	2(1+1)
	AGE-321	Protected Cultivation and Secondary Agriculture	2(1+1)
Agricultural Extension			
	EXT-101	Rural Sociology and Educational Psychology	2(2+0)
	EXT-102	Human Values and Ethics**	1(1+0)
	EXT-121	Fundamentals of Agricultural Extension Education	3(2+1)
	EXT-222	Communication Skills and Personality Development	2(1+1)
	EXT-301	Entrepreneurship Development and Business Communication	2(1+1)
	ELCT-EXT-301	Agricultural Journalism	3(2+1)
Agronomy			
	AGR-101	Fundamentals of Agronomy	4(3+1)
	AGR-102	Agriculture Heritage*	1(1+0)
	AGR-121	Farming System and Sustainable Agriculture	1(1+0)
	AGR-201	Crop Production Technology –I (*Kharif* Crops)	2(1+1)
	AGR-221	Crop Production Technology- II (*Rabi* Crops)	2(1+1)

	AGR-301	Geoinformatics and Nano-technology and Precision Farming	2(1+1)
	AGR-302	Practical Crop Production-I (*Kharif* Crops)	2(0+2)
	AGR-321	Principles of Organic Farming	2(1+1)
	AGR-322	Practical Crop production-II (*Rabi* Crops)	2(0+2)
	ELCT-AGR-321	Weed Management	3(2+1)
Animal Husbandry & Dairying			
	AHD-121	Introductory Animal Husbandry	3(2+1)
	AHD-201	Dairy Science	3(2+1)
	AHD-221	Poultry Production and Management	3(2+1)
	AHD-321	Principles of Food Science and Nutrition	2(2+0)
	ELCT-AHD-221	Food Safety and Standards	3(2+1)
Entomology			
	ENT-121	Fundamental of Entomology-I	2(1+1)
	ENT-201	Fundamentals of Entomology-II	2(1+1)
	ENT-301	Pests of Crops and Stored Grain and their Management	3(2+1)
	ENT-321	Management of Beneficial Insects	2(1+1)
	ELCT-ENT-221	Agrochemicals	3(2+1)
	ELCT-ENT-321	Biopesticides&Biofertilizers	3(2+1)

Genetics & Plant Breeding			
	GPB-101	Fundamentals of Genetics	3(2+1)
	GPB-121	Fundamental of Crop Physiology	2(1+1)
	GPB-201	Fundamentals of Plant Breeding	3(2+1)
	GPB-202	Environmental Studies and Disaster Management	3(2+1)
	GPB-221	Fundamentals of Plant Biotechnology	2(1+1)
	GPB-222	Principles of Seed Technology	3(1+2)
	GPB-301	Crop Improvement-I (*Kharif*Crops)	2(1+1)
	GPB-302	Intellectual Property Rights	1(1+0)
	GPB-321	Crop Improvement-II (*Rabi* Crops)	2(1+1)
	ELCT-GPB-301	Commercial Plant Breeding	3(2+1)

Horticulture			
	HOR-101	Fundamentals of Horticulture	2(1+1)

	HOR-121	Production Technology for Fruit and Plantation Crops	2(1+1)
	HOR-201	Production Technology for Vegetable and Spices	2(1+1)
	HOR-221	Production Technology of Ornamental Crops, MAP and Landscaping	2(1+1)
	HOR-321	Post-harvest Management and Value Addition of Fruits and Vegetables	2(1+1)
	ELCT-HOR-221	Landscaping	3(2+1)
	ELCT-HOR-301	Protected Cultivation	3(2+1)

	ELCT-HOR-321	Micro propagation Technologies	3(2+1)
	ELCT-HOR-322	Hi-tech. Horticulture	3(2+1)
Plant Pathology			
	PPA-121	Fundamental of Plant Pathology	4(3+1)
	PPA-201	Principles of Integrated Diseases Management	3(2+1)
	PPA-301	Diseases of Field & Horticultural crops and their Management-I	3(2+1)
	PPA-321	Diseases of Field & Horticultural crops and their Management-II	3(2+1)

Soil Conservation			
	SCW-101	Introductory Agrometeorology and Climate Change	2(1+1)
	SCW-121	Soil and Water Conservation Engineering	2(1+1)
	SCW-301	Introduction to Forestry	2(1+1)
	SCW-321	Rainfed Agriculture and Watershed Management	2(1+1)
	ELCT-SCW-301	System Simulation and Agro-advisory	3(2+1)
Soil Science & Agricultural Chemistry			
	SSC-101	Fundamentals of Soil Science	3(2+1)
	SSC-121	Fundamentals of Plant Biochemistry	2(1+1)
	SSC-201	Agricultural Microbiology	2(1+1)
	SSC-221	Problematic Soils and Their Management	2(2+0)
	SSC-301	Manures, Fertilizer and Soil Fertility Management	3(2+1)

Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE &AIA)
Course Code: RAWE-401

Sl. No.	Activities	Number of weeks	Credit Hours
1	General orientation & On campus training by different faculties	01	
2	Village attachment	08	14
3	Unit attachment in university/KVK/ ResearchStation Attachment	05	
4	Plant clinic	02	02
5	Agro-Industrial Attachment	03	04
6	Project Report Preparation, Presentation and Evaluation	01	
	Total week of RAWE and AIA	20	20

➢ **Agro Industrial Attachment:** The students would be attached with the agro-industriesfor a period of 3 weeks to get an experience of the industrial environment and working**.**

RAWE Component-I

Village Attachment Training Programme

Sl. No.	Activity	Duration
1	Orientation and Survey of Village	1 week
2	Agronomical Interventions	1 week
3	Plant Protection Interventions	1 week
4	Soil Improvement Interventions (Soil sampling and testing)	1 week
5	Fruit and Vegetable production interventions	1 week
6	Food Processing and Storage interventions	
7	Animal Production Interventions	1 week
8	Extension and Transfer of Technology activities	1 week

RAWE Component –II

Agro Industrial Attachment
• Students shall be placed in Agro-and Cottage industries and Commodities Boards for03 weeks.

• Industries include Seed/Sapling production, Pesticides-insecticides, Post harvest-processing value addition, Agri-finance institutions, etc.

Activities and Tasks during Agro-Industrial Attachment Programme

➢ Acquaintance with industry and staff
➢ Study of structure, functioning, objective and mandates of the industry

- Study of various processing units and hands-on trainings under supervision of industry staff
- Ethics of industry
- Employment generated by the industry Contribution of the industry promoting environment
- Learning business network including outlets of the industry Skill development in all crucial tasks of the industry
- Documentation of the activities and task performed by the students Performance evaluation, appraisal and ranking of students

Experiential Learning Programme (ELP)

Modules for Skill Development and Entrepreneurship: A student has to register for 20 credits opting for two modules of (0+10) credits each (total 20 credits) from the package of modules in the final semester.

Sl. No.	Module Code	Title: of the module	Credits Hours
1	ELP-421	Production Technology for Bioagents and Biofertilizer	0+10
2	ELP-422	Seed Production and Technology	0+10
3	ELP-423	Mushroom Cultivation Technology	0+10
4	ELP-424	Soil, Plant, Water and Seed Testing	0+10
5	ELP-425	Commercial Beekeeping	0+10
6	ELP-426	Poultry Production Technology	0+10
7	ELP-427	Commercial Horticulture	0+10
8	ELP-428	Floriculture and Landscaping	0+10
9	ELP-429	Food Processing	0+10
10	ELP-430	Agriculture Waste Management	0+10
11	ELP-431	Organic Production Technology	0+10
12	ELP-432	Commercial Sericulture	0+10

NOTE: In addition to above ELP modules other important modules may be given to the students
Evaluation of Experiential Learning Programme

Sl.No.	Parameters	Max. Marks
1.	Project Planning and Writing	10
2.	Presentation	10
3.	Regularity	10
4.	Monthly Assessment	10
5.	Output delivery	10
6.	Technical Skill Development	10
7.	Entrepreneurship Skills	10
8.	Business networking skills	10
9.	Report Writing Skills	10
10.	Final Presentation	10
	Total	**100**

Discipline-wise Summary of Credit Hours:

Sl. No.	Title: of the module	Credits Hours
1	Agronomy	18 (9+9)

2	Agricultural Economics& Statistics	14 (9+5)
3	Agricultural Engineering	6 (3+3)
4	Agricultural Extension	9 (6+3)
5	Animal Husbandry& Dairying	11 (8+3)
6	Entomology	9 (5+4)
7	Genetics & Plant Breeding	21 (12+9)
8	Horticulture	10 (5+5)
9	Plant Pathology	13 (9+4)
10	Soil Science & Agricultural Chemistry	12 (8+4)
11	Soil Conservation	8 (4+4)
12	English (Language)	2 (1+1)
13	Remedial Courses	03 (Bio/Math) 01(Agriculture)
14	NCC/NSS/Physical Education & Yoga Practices	2 (0+2)
15	Human Values and Ethics	1 (1+0)
16	RAWE + ELP	20 + 20
17	Educational tour	2(0+2)
	Grand Total	187+ remedial

New Courses

Sl. No.	Title: of the module	Credits Hours
1	Geoinformatics, Nanotechnology and Precision Farming	2(1+1)
2	Rainfed Agriculture and Watershed Management	2(1+1)
3	Problematic Soils and their Management	2(2+0)
4	Renewable Energy and Green Technology	2(1+1)
5	Management of Beneficial Insects	2(1+1)
6	Fundamentals of Horticulture	2(1+1)
7	Introduction to Forestry	2(1+1)
8	Agri- Informatics	2(1+1)
9	Intellectual Property Rights	1(1+0)
10	Principles of Food Science & Technology	2(2+0)
11	Communication Skills and Personality Development	2(1+1)
12	Principles of Integrated Pest & Diseases Management	3(2+1)
13	Agricultural Heritage	1(1+0)*
14	Introductory Biology	2(1+1)*
15	Elementary Mathematics	2(2+0)*
16	Human Values & Ethics (NG)	1(1+0)**

Elective Course Title: A student can select three elective courses out of the following and offerduring 4th, 5th and 6th semesters.

Sl. No.	Course Code	Elective Course	Credits Hours
1	ELCT-AES-221	Agribusiness Management	3(2+1)
2	ELCT-AHD-221	Food Safety and Standards	3(2+1)
3	ELCT-ENT-221	Agrochemicals	3(2+1)

4	ELCT-HOR-221	Landscaping	3(2+1)
5	ELCT-EXT-301	Agricultural Journalism	3(2+1)
6	ELCT-GPB-301	Commercial Plant Breeding	3(1+2)
7	ELCT-HOR-301	Protected Cultivation	3(2+1)
8	ELCT-SCW-301	System Simulation and Agro-advisory	3(2+1)
9	ELCT-AGR-321	Weed Management	3(2+1)
10	ELCT-ENT-321	Biopesticides &Biofertilizers	3(2+1)
11	ELCT-HOR-321	Micro propagation Technologies	3(1+2)
12	ELCT-HOR-322	Hi-tech. Horticulture	3(2+1)

Brief Profile of Faculty Members

Prof. Ram Ashish Yadav
Professor & Dean

Specialization
: Agronomy, Seed Production Technology, Production Technology of Rabi and Kharif Crops, Weed and Weed Management, Precision and Organic Farming, Fertilizer and Irrigation Management, and Sustainable Agriculture.

Prof. Avanish Prakash Singh

Professor and Head

Qualification : Ph.D.

Prof. Rameshwar Singh
Visiting Professor- Animal Husbandry and Dairy Sciences Former- VC, BASU, Patna (Bihar)

Specialization
: Microbial Culture Collection, Fermented Milk And Probiotics, Dairy Starter Cultures, Rumen Fermentation And Animal Nutrition

Padmashree Prof. Bharat Bhushan Tyagi
Visiting Professor

Specialization : Organic farming, Natrural farming, Organic seed production, Seed preservation, Seed multiplication and apiculture, entrepreneurship training.

Prof. Prabhat Kr. Singh
Professor

Specialization: Animal Husbandry, Agricultural Diversification, Animal Breeding, Embryo Transfer Technology, Sexed Semen Production Technology, Dairy Science, Fodder

Dr. Hemant Kumar Singh
Associate Professor

Specialization : Production Technology of Fruit and Plantation Crops, Vegetables and Spices, Ornamental Plants, and Landscaping, Post-Harvest Management and Value Addition, Planting Materials,

			Horticulture Improvement, and Vegetable Breeder.
	Dr. Pranav Tripathi Assistant Professor **Specialization** : Genetics, Molecular Biology, Nanotechnology, Lateral Flow Assay, Agricultural Biotechnology, Biochemical Analyses, Aptamer, Intellectual Property Rights, Molecular Insights to Plant Breeding, and Biosensors.		

SCHOOL OF EARTH, BIOLOGICAL AND ENVIRONMENTAL SCIENCES

The Century of Biology: Addressing Global Challenges

In this era of biological advancements, many of the pressing challenges we face—including global warming, pollution, human diseases, and shifts in natural resources—are deeply rooted in environmental and biological sciences. A deeper understanding of biology not only equips us to combat these challenges but also plays a crucial role in sustaining and conserving our existing natural resources.

The School of Earth, Biological, and Environmental Sciences stands at the forefront of this mission, leading efforts in cutting-edge research and academic excellence. Its strengths span multiple disciplines, including genomics, biochemistry, informatics, emerging infectious diseases, and both basic and applied biology.

Underpinning these strengths is a distinguished faculty, comprising experts across various fields, who actively engage in knowledge dissemination through graduate, postgraduate, and Ph.D. training, nurturing the next generation of scientists and researchers.

Department of Biotechnology: Advancing Science & Innovation

The Department of Biotechnology currently offers Ph.D. and M.Sc. Biotechnology programmes, designed with well-structured theory and practical courses to provide students with a comprehensive foundation in modern biological sciences. At its core, the department emphasizes innovation-based training, equipping students with cutting-edge knowledge of fundamental and advanced concepts in biological processes, preparing them to pursue research in frontier areas of Biological Sciences.

Academic Excellence & Integrative Learning

The postgraduate programmes foster a deep theoretical and practical understanding of various aspects of biological processes, encouraging an integrative approach to research and study. Students gain hands-on expertise through direct collaboration with faculty on real-time projects, developing essential problem-solving skills that address emerging challenges in Biotechnology.

Biotechnology: A Key Driver for India's Economy

Recognized as a thrust area in science and technology, Biotechnology has immense potential to boost India's economy by bridging the gap between innovation and industry. Globally, the voice of Biotechnology in the 21st century advocates for the transformation of bio-based technology from "Lab to Land" and from "Bench to Business," ensuring that biotechnology-driven commodities are accessible and affordable for all.

Cutting-Edge Courses & Specializations

The Department's curriculum is aligned with recent and emerging trends in Biology, integrating disciplines such as Biostatistics and Bioinformatics to enable students to analyze data, draw meaningful conclusions, and publish research in reputed journals. The programme places a strong emphasis on integrated approaches to human health, biopolymers, recombinant DNA technology, transgenic development, infection and immunity, and bioinformatics, ensuring that students are well-prepared for impactful careers in biotechnology.

Research Excellence: Pioneering Scientific Discovery

Currently, the department is conducting advanced research in several high-impact areas, including:

- Antimicrobial Resistance
- Biofilm Studies
- Behavioral Neuroscience
- Cancer Biology
- Bioplastic Fabrication
- Genetic Engineering
- Secondary Metabolite Genesis
- Immunology
- Molecular Marker Development & Diagnostics
- Microbial Diversity
- Stem Cell Therapy
- Signal Transduction & Transcription Factors

Beyond these research initiatives, the M.Sc. Biotechnology programme equips students with leadership capabilities in research, policy development, and business entrepreneurship, positioning them as future trailblazers in the field.

State-of-the-Art Infrastructure & Research Initiatives

The Department of Biotechnology is enriched with state-of-the-art technology and equipment, fostering a stimulating environment for teaching and research excellence. Notably, the department has the distinction of running more than 10

externally funded R&D projects, sanctioned by various Government agencies, underscoring its commitment to scientific discovery and industry collaboration.

Equipment Facilities

The Department of Biotechnology currently offers Ph.D. and M.Sc. Biotechnology programmes, designed with well-structured theory and practical courses to provide students with a comprehensive foundation in modern biological sciences. At its core, the department emphasizes innovation-based training, equipping students with cutting-edge knowledge of fundamental and advanced concepts in biological processes, preparing them to pursue research in frontier areas of Biological Sciences.

Academic Excellence & Integrative Learning

The postgraduate programmes foster a deep theoretical and practical understanding of various aspects of biological processes, encouraging an integrative approach to research and study. Students gain hands-on expertise through direct collaboration with faculty on real-time projects, developing essential problem-solving skills that address emerging challenges in Biotechnology.

Biotechnology: A Key Driver for India's Economy

Recognized as a thrust area in science and technology, Biotechnology has immense potential to boost India's economy by bridging the gap between innovation and industry. Globally, the voice of Biotechnology in the 21st century advocates for the transformation of bio-based technology from "Lab to Land" and from "Bench to Business," ensuring that biotechnology-driven commodities are accessible and affordable for all.

Cutting-Edge Courses & Specializations

The Department's curriculum is aligned with recent and emerging trends in Biology, integrating disciplines such as Biostatistics and Bioinformatics to enable students to analyze data, draw meaningful conclusions, and publish research in reputed journals. The programme places a strong emphasis on integrated approaches to human health, biopolymers, recombinant DNA technology, transgenic development, infection and immunity, and bioinformatics, ensuring that students are well-prepared for impactful careers in biotechnology.

Research Excellence: Pioneering Scientific Discovery

Currently, the department is conducting advanced research in several high-impact areas, including:

- Antimicrobial Resistance
- Biofilm Studies
- Behavioral Neuroscience
- Cancer Biology
- Bioplastic Fabrication
- Genetic Engineering
- Secondary Metabolite Genesis
- Immunology
- Molecular Marker Development & Diagnostics
- Microbial Diversity
- Stem Cell Therapy
- Signal Transduction & Transcription Factors

Beyond these research initiatives, the M.Sc. Biotechnology programme equips students with leadership capabilities in research, policy development, and business entrepreneurship, positioning them as future trailblazers in the field.

State-of-the-Art Infrastructure & Research Initiatives

The Department of Biotechnology is enriched with state-of-the-art technology and equipment, fostering a stimulating environment for teaching and research excellence. Notably, the department has the distinction of running more than 10 externally funded R&D projects, sanctioned by various Government agencies, underscoring its commitment to scientific discovery and industry collaboration.

The two-year (four-semester) Post-Graduate Program in Biotechnology follows a highly interdisciplinary approach, enriched by the active participation of faculty researchers across the University, under the Choice-Based Credit System (CBCS).

The program emphasizes hands-on training, integrating professional and management skills as key components of its teaching pedagogy, ensuring that students develop a well-rounded understanding of biotechnology applications in academia, industry, and policy-making.

Focus Areas & Holistic Learning

This program is designed to cultivate responsibility, ethical awareness, and integrity, research shaping students into critical thinkers and future leaders in biotechnology. It places strong emphasis on integrated approaches in:

- Human health research
- Biopolymers and sustainable biomaterials
- Transgenic crop development
- Environmental sciences & sustainability
- Informatics & computational biology

Rigorous Academic Structure & Industry Exposure

Students undergo a comprehensive evaluation system, which includes:

- Project dissertations
- Research presentations
- Comprehensive viva-voce

Beyond classroom learning, the program facilitates industry and research exposure, with students visiting premier research institutes and biotechnology industries across the country, gaining first-hand experience in various aspects of product development and research commercialization.

Engagement in Cutting-Edge Research

A primary goal of the Biotechnology Program is to actively engage students in groundbreaking research, fostering innovation and skill development in emerging fields of biotechnology. Through collaborations with faculty and industry professionals, students gain real-world problem-solving experience, preparing them for impactful careers in scientific research, industry, and policy-making.

Eligibility Criteria for M.Sc. in Biotechnology

Bachelor's degree in Biotechnology or any branch of Biological Science (Microbiology/ Biochemistry/ Bioscience/ Environmental Science/ Biomedical etc.) or B.Sc. (Hons) in Zoology/Botany/Chemistry or B.Sc. / Integrated B.Sc. B.Ed. of three/four-year duration with any of the two subjects among Zoology, Botany & Chemistry in 3rd year with a minimum of 55% marks for General / OBC/EWS candidates and 50% marks for SC/ST / PWD candidates from any recognized University.

Course Structure of M.Sc. Biotechnology

Course Code	Courses	Credits		
		L	T	P
	Semester I			
BTN 8 1 DC 001 04	Cell & Molecular Biology	3	0	1
BTN 8 1 DC 002 04	Biochemistry	3	0	1
BTN 8 1 DC 003 04	Tools & Techniques in Biotechnology	3	0	1

			L	T	P
BTN 8 1 DC 004 04	Introductory Course on Research Methodology (Including Bioinformatics and Biostatistics) (Research Methodology, compulsory in 1st Semester instead of 2nd Semester)		3	1	0
DBCC Credit			**16**		
	Semester II				
BTN 8 2 DC 005 04	Microbiology (**Indian Knowledge System**)		3	1	0
BTN 8 2 DC 006 04	Immunology & Immunotechniques (**Vocational Course**)		3	1	0
BTN 8 2 DC 007 04	Enzymology & Enzyme technology		3	0	1
BTN 8 2 DC 008 02	Practicals in Microbiology		0	0	2
BTN 8 2 DC 009 02	Practicals in Immunology & Immunotechniques		0	0	2
DBCC Credit			**16**		
	Semester III				
BTN 9 1 DC 001 04	Recombinant DNA Technology		3	0	1
BTN 9 1 DC 002 04	Bioprocess Engineering		3	0	1
BTN 9 1 DC 003 04	Animal Biotechnology (**Value addition**)		3	0	1
BTN 9 1 DC 004 04	Plant Biotechnology (**Skill Enhancement**)		3	0	1
DBCC Credit			**16**		
	Semester IV				
BTN 9 2 DC 005 20	Project Dissertation#		0	0	20
DBCC Credit			**20**		
Total Credit for Discipline-Based Core Course			**68**		

 # The student shall carry out the dissertation work outside CUSB or within CUSB as recommended by DC. Department will provide the recommendation letters to do dissertation work outside CUSB. However, they have to follow the academic calendar of the CUSB.

Discipline-Based Core Elective (DBCE), Open Elective Interdisciplinary Course (OEIC)

Course Code	Code	Courses	Credits		
			L	T	P
Elective Course		**Any three electives in one and half years of the M.Sc Program to be chosen. (i) One from the parent Department i.e., DBCE, and (ii) Two from Other Department/School (OEIC)**			
		Semester I			
BTN 8 1 OE 010 04	OEIC	Biodiversity, Conservation & Environmental Biotechnology	3	1	0
BTN 8 1 DE 011 04	DBCE	Developmental Biology	3	1	0
		Semester II			
BTN 8 2 OE 012 04	OEIC	Neuroscience	3	1	0
BTN 8 2 DE 013 04	DBCE	Cancer Biology	3	1	0
		Semester III			
BTN 9 1 DE 006 04	DBCE	Molecular Diagnostics and Stem Cell Technology	3	0	1

		Semester IV			
BTN 9 2 OE 007 04	OEIC	IPR, Bioethics, and Biosafety	3	1	0
DBCE taken by the student			4		
OEIC taken by the student			8		
Total Credit for Elective Course (DBCE and OEIC)			12		

Mandatory Elective Non-credit Course (MENC)

	MENC designed by Department	**L**	**T**	**P**
BTN 8 1 ME 014 00	*Drosophila* as a Research Model	1	0	1
BTN 8 2 ME 015 00	Summer Training* (for 2nd Semester students during summer vacation)	0	0	2
BTN 9 1 ME 008 00	Village-Based Skills (Whole Department)	0	0	2
BTN 9 1 ME 009 00	Field and Excursion Tour (Whole Department)	0	0	2
	MENC on Swayam			
	Introductory Mathematical Methods for Biologists			
	Bio-energetics of Life Processes			
	Principles of Downstream Techniques in Bioprocess			
	Human Molecular Genetics			

*Note: Swayam-based courses are updated regularly. Students can select any other updated courses even if it is not mentioned in the list given above. But they should follow the criteria of 2 non-credit courses either alone or in a combination of two courses. * Summer Training will be under the MENC category for 2nd Semester only.*

Ph.D. in Biotechnology

The Department of Biotechnology is currently offering Ph.D. in the diverse field of specializations such as Antimicrobial Resistance, Biofilm, Behavioral Neuroscience, Cancer Biology, Fabrication of Bioplastics, Genetic Engineering, Genesis of Secondary Metabolites, Immunology, Molecular Marker Development, Molecular Diagnostics, Microbial Diversity, Stem Cell Therapy, Signal Transduction, and Transcription Factors.

Comprehensive Curriculum & Innovation-Based Training

The syllabus is meticulously designed to ensure that theory, practicals, and tutorials align with the demands of this dynamic and evolving field. A strong emphasis on innovation-based training provides students with critical insights into both fundamental and modern biological processes, empowering them to pursue cutting-edge research in frontier areas of Biological Sciences.

Multidisciplinary Approach & Skill Development

The Department of Biotechnology fosters an integrative research environment, equipping scholars with both theoretical and practical expertise across various aspects of biological processes. Students receive rigorous training in dry and wet-lab techniques, preparing them for diverse roles in research laboratories and biotech industries.

To enhance their technical proficiency, students develop competencies in programming languages, molecular modeling, and biotechnology tools, enabling them to generate, analyze, and interpret raw data for scientific advancements.

Thrust Areas of Research for Ph.D. Biotechnology

- Antimicrobial Resistance and Biofilm
- Behavioral Neuroscience
- Biopolymers and Bioplastics
- Cancer Biology

- ➢Immunology
- ➢Molecular Diagnostics & Microbial Diversity
- ➢Plant Biotechnology & Molecular Marker Development
- ➢Signal Transduction & Transcription Factors
- ➢Stem Cell Biology

Eligibility Criteria for Ph.D. in Biotechnology: Master's Degree in Biotechnology/ Pharmaceuticals Science/ Medical Science/ Agricultural Science/ Chemistry/Physics/ any branch of Biological Science (Microbiology, Biochemistry, Molecular Biology, Human Genetics, Life Science, Bioscience, Environmental Science, Biomedical, Zoology, Botany) with a minimum of 55% marks for General /OBC candidates and 50% marks for SC/ST candidates in the qualifying degree.

Course Structure of Ph.D. Biotechnology

Semester I and II

Course Code	Course Title	Credit
BTN901	Fundamental of Research Methodology	4
BTN902	Scope and Techniques of Research in Biological Sciences	4
BTN903	Preparation and Presentation of the Research Proposal	4
BTN904	Research Publication Ethics	2
		14

Syllabus for Ph.D. Biotechnology Entrance Examination: Post-Graduate syllabus of Biotechnology, Life Science, Microbiology, Biochemistry, Bioscience, Environmental Science, and any branch of Life Science as prescribed by UGC.

Salient Features of the Programme for International Students

1) The Central University of South Bihar, was established in 2009 under the Central Universities Act, 2009 (Section 25 of 2009), Government of India. The University receives fund from the central government.
2) It has a permanent campus at Gaya (Bihar), the Buddhist place of pilgrimage.
3) This University provides better benefit/cost ratio to students of foreign origin.
4) We have an internationally acclaimed group of faculty members with several years of research experience in reputed laboratories in the world.
5) The biotechnology program has a well-equipped laboratory.
6) The faculty members have many national and international research collaborations.
7) We have received research grants from various government funding agencies.
8) The MSc. Biotechnology program is based on Choice Based Credit System and aligned with NEP-2020

Brief Profile of Faculty Members

	Dr. Durg Vijai Singh **Professor** Ph.D., BHU **Specialization**: Antibiotic Resistance Biofilm and Bacterial Pathogenesis		**Dr. Rizwanul Haque** **Professor & Dean** Ph.D. (JHU) **Specialization**: Immunotoxicology, Stem Cell Biology
	Dr. Rakesh Kumar **Professor & Head** Ph.D. (IIT Delhi) **Specialization**: Biopolymers and Biocomposites		**Dr. Krishna Prakash** **Associate Professor** Ph.D. (JNU) **Specialization**: Molecular Biology

	Dr. Jawaid Ahsan **Assistant Professor** Ph.D. (NCBS (TIFR)) **Specialization**: Neuroscience (*Drosophila* model)		**Dr. Nitish Kumar** **Associate Professor** Ph.D. (CSIR-CSMCRI) **Specialization**: Plant Biotechnology
	Dr. Pratishtha Sonker **Assistant Professor,** Ph.D. **Specialization:** Social Synchronization of Circadian Clock in Mice		

Department of Life Science

Life Sciences: Exploring "Life in Diversity"

The discipline of Life Science encompasses a broad spectrum of fields, including genetics, biochemistry, cell biology, computational biology, plant science, plant genetics, ecology, animal science, and developmental biology, all intricately connected to the concept of "Life in Diversity."

This academic domain strikes a balanced approach, combining the fundamentals of animal and plant sciences with advanced biological methods, broadening students' knowledge base and research capabilities. The postgraduate program fosters in-depth theoretical learning and strong practical expertise, enabling students to adopt an integrative perspective in both studies and research.

State-of-the-Art Research & Academic Excellence

The Department of Life Science is equipped with cutting-edge facilities, providing a stimulating environment for teaching and research innovations. The department has earned national recognition through its externally funded research projects, sanctioned by various government agencies.

Students from diverse academic backgrounds have the opportunity to pursue higher studies in Life Science, benefiting from a rigorous interdisciplinary curriculum. Additionally, all programs offered by the Life Science Department are aligned with NEP-2020, ensuring relevance to modern educational and research standards.

Facilities & Resources in the Life Science Programme

The department boasts a comprehensive research infrastructure, supporting advanced studies in modern biology, including:

- Animal and Plant Tissue Culture
- Proteomics & Hybridoma Technology
- Recombinant DNA Technology

The laboratory is equipped with state-of-the-art instruments, including:

- Automated Shakers
- Inverted & Upright Bright-field and Phase Contrast Microscopes
- Fluorescence Microscope
- Incubators & Laminar Flow Hoods
- UV-Visible Spectrophotometer

- Autoclave & Refrigerated Centrifuge
- -80°C Deep Freezer & Cryocan Storage
- Millipore Water Purification System
- Thermal Cyclers & Microtome
- Fast Protein Liquid Chromatography (FPLC) System
- 2D Electrophoresis System

Research Focus Areas

The laboratory and faculty expertise contribute to advancements in basic and applied biology, with active research initiatives in:

- Agricultural Crop Improvement
- Development of Immunoassays
- Stress Physiology & Molecular Biology of Plants
- Parasite Biology & Disease Mechanisms
- Physiology & Endocrinology

Advanced Infrastructure for Technology-Driven Learning

The university has invested in extensive infrastructure facilities, including a newly constructed computer lab and modern classrooms, designed to foster a technology-driven learning environment.

Equipped with the latest high-performance computers, featuring Intel i7 Quad-Core processors, the facility ensures seamless computing power for academic research, programming, and technical applications. Additionally, all systems are connected through a high-speed 1 GBPS internet connection, enabling efficient data access, online research, and advanced digital learning.

5-year Integrated UG-PG Programme in Life Science

Course Structure and Syllabus of Five Years Integrated UG- PG in Life Science with specialization in Zoology/Botany

(B.Sc-M.Sc in Life Science with specialization in Zoology/Botany)
Total Credits: 200.

UG Certificate in Life Science with specialization in Zoology/Botany				
Course Type	**Course Code**	**Name of the Course**	**Credits**	**(L+T+P)**
Semester I				
Major - Departmental Core	LSC5MJ00104	Diversity of Life Forms I	4	3+0+1
Minor - other departments				
Skill Enhancement Course	LSC5SE00203	Mushroom Farming	3	1+1+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Minor - Multidisciplinary Courses		Minor from other department from different discipline(Chemistry/Physics/Math/Statistics/Others)	3	
Ability Enhancement Course (AE)		English, Hindi (Ability Enhancement Course)	2	
Value added Course (VA) - I		Yoga, Sports, EVS, SWAYAM (choose two Value added Courses)	2	
Value added Course (VA) - II		Yoga, Sports, EVS, SWAYAM (choose two Value added Courses)	2	
Total Credits			20	

Semester II					
Major - Departmental Core	LSC5MJ00304	Diversity of Life Forms II	4	3+0+1
Minor - other departments					
Skill Enhancement - (Zoology)	LSCZ5SE00403	Applied Zoology	3	1+ 1+ 1
Skill Enhancement - (Botany)	LSCB5SE00503	Nursery and Gardening	3	1+1+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Minor - Multidisciplinary Courses		Minor from other department from different discipline (Chemistry/Physics/Math/Statistics/Others)	3	
Ability Enhancement Course (AE)		English, Hindi (Ability Enhancement Course)	2	
Value added Course (VA) - I		Yoga, Sports, EVS, SWAYAM (choose two Value added Courses)	2	
Value added Course (VA) - I		Yoga, Sports, EVS, SWAYAM (choose two Value added Courses)	2	
Total Credits		20		
Eligible for Certificate in Life Science with specialization in Zoology/Botany, only if completes the summer internship/field work				
Summer Internship/field work			4	

UG Diploma in Life Science with specialization in Zoology/Botany

Course Type	Course Code	Name of the Course	Credit	(L+T+P)
Semester III				
Major - Departmental Core Minor - other departments	LSC6MJ00604	Evolutionary Biology	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ6MJ00704	Animal Taxonomy	4	3+0+1
Major - Departmental Elective (Botany)	LSCB6MJ 00804	Plant Taxonomy	4	3+0+1
Skill Enhancement Course	LSC6SE00903	Medical Diagnostics	3	1+1+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Minor - Multidisciplinary Courses		Minor from other department from different discipline(Chemistry/Physics/Math/Statistics/Others)	3	
Ability Enhancement Course (AE)		English, Hindi (Ability Enhancement Course)	2	
Total Credits			20	
Semester IV				
Major - Departmental Core	LSC6MJ01004	Cell Biology	4	3+0+1
Major -	LSC6MJ01104	Molecules of Life - I	4	3+0+1

Departmental Core				
Major - Departmental Core	LSC6MJ01204	Genetics	4	3+0+1
Major - Departmental Core	LSC6MJ01302	Principles of Pathology	2	2+0+0
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Ability Enhancement Course (AE)		English, Hindi (Ability Enhancement Course)	2	
Total Credits			20	
Eligible for Diploma in Life Science with specialization in Zoology/Botany only if completes the summer internship/field work				
Summer Internship/field work			4	

UG Degree in Life Science with specialization in Zoology/Botany				
Course Type	**Course Code**	**Name of the Course**	**Credit**	**(L+T+P)**
Semester V				
Major - Departmental Core	LSC7MJ01402	Basics of Molecular Biology	2	2+0+0
Major - Departmental Core	LSC7MJ01504	Metabolism and Integration	4	3+0+1
Major - Departmental Core	LSC7MJ01604	Microbiology	4	3+0+1
Major - Departmental Core	LSC7MJ01704	Molecules of Life - II	4	3+0+1

Skill Enhancement Course	LSC7MJ01802	Internship (within department)	2	0+0+2
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Total Credits			20	

Semester VI				
Major - Departmental Core	LSC7MJ01904	System Physiology	4	3+0+1
Major - Departmental Core	LSC7MJ02004	Fundamentals of Ecology	4	3+0+1
Major - Departmental Core	LSC7MJ02104	Research Methodology	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ7MJ02104	Comparative Anatomy and Developmental Biology of Animals	4	3+0+1
Major - Departmental Elective (Botany)	LSCB7MJ02104	Comparative Anatomy and Developmental Biology of Plants	4	3+0+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Total Credits			20	

Eligible for UG Degree in Life Science with specialization in Zoology/Botany (equivalent to Zoology/Boatny) on securing 120 Credits

UG Degree Honours in Life Science with specialization in Zoology/Botany				
Course Type	**Course Code**	**Name of the Course**	**Credit**	**(L+T+P)**
Semester VII				
Major -	LSC8MJ02204	Enzymology	4	3+0+1

Departmental Core				
Major - Departmental Core	LSC8MJ02304	Advanced Molecular Biology	4	3+0+1
Major - Departmental Core	LSC8MJ02404	Recombinant DNA Technology	4	3+0+1
Major - Departmental Core	LSC8MJ02504	Instrumentation and applications	4	3+0+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
Total Credits			20	
Semester VIII				
Major - Departmental Core	LSC8MJ 02604	Defense Mechanism	4	3+0+1
Major - Departmental Core	LSC8MJ 02704	Indian Knowledge System in Traditional Medicine	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ8MJ 02804	Vocational Training in Animal Research	4	0+1+3
Major - Departmental Elective (Zoology)	LSCZ8MJ 02904	Insects, Vectors and Animal Diseases	4	3+0+1
Major - Departmental Elective (Botany)	LSCB8MJ 03004	Plant Pathology	4	3+0+1
Major - Departmental Elective (Botany)	LSCB8MJ 03104	Vocational Training in Plant Research	4	0+1+3
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	

	Total Credits		20	

Eligible for UG Degree Honours in Life Science with specialization in Zoology/Botany (equivalent to Zoology/Boatny) on securing 160 Credits

UG Degree Honours with Research in Life Science with specialization in Zoology/Botany				
Course Type	**Course Code**	**Name of the Course**	**Credit**	**(L+T+P)**
Semester VII				
Major - Departmental Core	LSC8MJ02204	Enzymology	4	3+0+1
Major - Departmental Core	LSC8MJ02304	Advanced Molecular Biology	4	3+0+1
Major - Departmental Core	LSC8MJ02404	Recombinant DNA Technology	4	3+0+1
Major - Departmental Core	LSC8MJ02504	Instrumentation and applications	4	3+0+1
Minor - Interdisciplinary Courses		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental Science/Agriculture)	4	
	Total Credits		20	
Semester VIII				
Major - Departmental Core	LSC8MJ02604	Defense Mechanism	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ8MJ032012	Research Project	12	0+0+12
Major - Departmental Elective (Botany)	LSCB8MJ032012			
Minor - Interdisciplinary		Minor from other department within discipline (Biotechnology/Bioinformatics/Environmental	4	

Courses		Science/Agriculture)		
Total Credits			20	
Eligible for UG Degree Honours with Research in Life Science with specialization in Zoology/Botany (equivalent to Zoology/Boatny) on securing 160 Credits				

Integrated PG Degree in Life Science with specialization in Zoology/Botany				
Course Type	**Course Code**	**Name of the Course**	**Credit**	**(L+T+P)**
Semester IX				
Major - Departmental Core	LSC9MJ03304	Biosafety and IPR	4	3+1+0
Major - Departmental Elective (Zoology)	LSC9MJ 03304	Animal Physiology & Endocrinology	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ9MJ 03404	Animal Biotechnology	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ9MJ 03504	Animal Behavior	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ9MJ 03604	Techniques in Animal Research	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ 03604	Plant Physiology	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ 03804	Plant Biotechnology	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ 03904	Plant Breeding and Genetic Engineering	4	3+0+1

Major - Departmental Elective (Botany)	LSCB9MJ 04004	Economic Botany	4	2+1+1
Total Credits			20	

Semester X

Major - Departmental Core	LSC9MJ04104	Wildlife Conservation	4	3+0+1
Major - Departmental Core	LSC9MJ04204	Nanobiotechnology	4	3+0+1
Major - Departmental Core	LSC9MJ04304	Protein Structural Biology	4	3+0+1
Major - Departmental Core	LSC9MJ04404	Cellular Stress Biology	4	3+1+0
Major - Departmental Core	LSC9MJ04504	Natural Resource Management	4	3+0+1
Total Credits			20	

Eligible for PG Degree in Life Science with specialization in Zoology/Botany (equivalent to Zoology/Boatny) on securing 200 Credits

Integrated PG Degree with Research in Life Science with specialized in Zoology/Botany (equivalent to Zoology/Boatny)				
Course Type	**Course Code**	**Name of the Course**	**Credit**	**(L+T+P)**
Option – 1 (Earn 20 Credit from courses and 20 Credit from project work, provided student has CGPA >7.5				
Semester IX				
Major - Departmental Core	LSC9MJ03304	Biosafety and IPR	4	3+1+0
Major - Departmental Elective (Zoology)	LSC9MJ 03304	Animal Physiology & Endocrinology	4	3+0+1

Major - Departmental Elective (Zoology)	LSCZ9MJ 03404	Animal Biotechnology	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ9MJ 03504	Animal Behavior	4	3+0+1
Major - Departmental Elective (Zoology)	LSCZ9MJ 03604	Techniques in Animal Research	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ03604	Plant Physiology	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ03804	Plant Biotechnology	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ03904	Plant Breeding and Genetic Engineering	4	3+0+1
Major - Departmental Elective (Botany)	LSCB9MJ04004	Economic Botany	4	2+0+2
Total Credits			20	
Semester X				
Major - Departmental Elective (Zoology)	LSCZ9MJ04620	Research Project	20	0+0+20
Major - Departmental Elective (Zoology)	LSCB9MJ04620			
Total Credits			20	
Option – II (Earn all 40 Credit from project work, provided student has CGPA >7.5				
Semester IX				

Major - Departmental Elective (Zoology)	LSCZ9MJ04720	Research Project - I	20	0+0+20
Major - Departmental Elective (Botany)	LSCB9MJ04720			
Semester X				
Major - Departmental Elective (Zoology)	LSCZ9MJ04820	Research Project - II	20	0+0+20
Major - Departmental Elective (Botany)	LSCB9MJ04820			
Eligible for PG Degree with research in Life Science with specialization in Zoology/Botany (equivalent to Zoology/Botany) on securing 200 Credits				

M.Sc. in Life Science

M.Sc. in Life Science: A Comprehensive & Skill-Driven Program

The Department of Life Science offers a four-semester Master's degree (M.Sc.) in Life Science, structured under the Choice-Based Credit System (CBCS). The curriculum integrates a broad spectrum of courses, including theory, practical training, skill-based learning, vocational studies, and Indigenous Knowledge Systems (IKS) to provide students with a holistic understanding of the field.

Additionally, the program includes a six-month dissertation, which students can undertake either within the department or at a renowned University/Institute of national repute, allowing them to gain valuable research exposure and hands-on experience.

Program Objectives & Research Integration

The M.Sc. program is designed to cultivate highly skilled professionals with a strong foundational knowledge and practical expertise in Life Science. By bridging theoretical learning with laboratory-based skill development, students are trained to address local, national, and global challenges through scientific interventions and innovative approaches.

Expert Faculty & Flexible Learning Methods

The faculty members of the department bring extensive experience in both teaching and research, ensuring that students receive top-tier education and mentorship. A flexible approach to content delivery is adopted, incorporating:

- Lectures & Tutorials
- Laboratory & Field Work
- Outreach Activities & Vocational Training
- Project Work & Research-Based Learning
- Seminars, Viva, & Term Papers
- Assignments, Presentations, & Self-Study Modules

This dynamic teaching methodology ensures that students engage in multifaceted learning experiences, preparing them for academic excellence, research contributions, and professional success in Life Science.

Objectives:
- To provide in-depth understanding evolution, and structural and functional aspects of ecosystem on the whole.
- To strengthen theoretical basis of biological processes at molecular, cellular and organismal level.
- To offer hands on experience relevant in the field of life science for employment opportunities and societal benefit.

Outcome:
After completion of the course students shall be able to fill the lacuna between academics, research and entrepreneurship. They shall attain comprehensive knowledge of all the life sustaining biological processes with direct applicability for socio-economic development.

List of Courses in M.Sc. in Life Science (80 Credits)

Semester - I (Total Credits = 20)		
Course Code	**Name of the Course**	**Credit (L+T+P)**
LSC81DC00104	Cell Biology	3+0+1
LSC81DC00204	Biochemistry	3+0+1
LSC81DC00304	Genetics	3+0+1
LSC81DC00404	Microbiology	3+0+1
	Open Elective Interdisciplinary Course (Elective Basket - II)	4
	Mandatory Elective Non-Credit Course equivalent to 2 credits (Elective Basket - III)	0
Total Credits		**20**

Semester - II (Total Credits = 20)		
Course Code	**Name of the Course**	**Credit (L+T+P)**
LSC82DC00503	Metabolism	2+0+1
LSC82DC00602	Molecular Biology	2+0+0
LSC82DC00702	Recombinant DNA Technology	2+0+0
LSC82DC00802	Enzymology	2+0+0

LSC82DC00904	Research Methodology	4+0+0
LSC82DC01003	Vocational Training of Industrial Application	0+0+3
	Discipline Based Elective Course (Elective Basket - I)	4
	Mandatory Elective Non-Credit Course equivalent to 2 credits (Elective Basket - III)	0
Total Credits		**20**

Semester – III (Total Credits = 20)

Course Code	Name of the Course	Credit (L+T+P)
LSC91DC01103	Physiology of Plant System	2+0+1
LSC91DC01203	Physiology of Animal System	2+0+1
LSC91DC01303	Developmental Biology	2+0+1
LSC91DC01403	Biology of Immune System	2+0+1
	Discipline Based Core Elective (Elective Basket - I)	4
	Open Elective Interdisciplinary Course (Elective Basket - II)	4
	Mandatory Elective Non-Credit Course equivalent to 2 credits (Elective Basket - III)	0
Total Credits		**20**

Semester – IV (Total Credits = 20)		
Course Code	**Name of Course**	**Credit (L+T+P)**
LSC92DC01520	Dissertation	20
	Mandatory Elective Non-Credit Course equivalent to 2 credits (Elective Basket – III)	0
Total Credits		**20**

Elective Baskets

Elective Basket – I (Discipline Based Course Elective)		
Course Code	**Name of Course**	**Credit (L+T+P)**
LSC82DE01602 LSC91DE01602	Ecology and Evolution	2+0+0
LSC91DE01702	Cellular Stress Biology	2+0+0
LSC82DE01802	Molecular Plant Pathology	2+0+0
LSC91DE01902	Human Genetics and Genome Analysis	2+0+0
LSC82DE02002	Fundamental of Cancer Biology	2+0+0
LSC82DE02102	Biochemistry of Proteins	2+0+0
LSC82DE02202 LSC91DE02202	Protein Structural Biology	2+0+0
LSC82DE02302 LSC91DE02302	Plant Genetic Engineering	2+0+0
LSC82DE02402 LSC91DE02402	Forms and Functions in Birds: Adaptation perspective	2+0+0

Elective Basket – II (Open Elective Interdisciplinary Course for other departments)

Course Code	Name of Course	Credit (L+T+P)
LSC81OE02504	Methods in Biology	4
LSC91OE02604	Fundamentals of Biology	4
LSC91OE02704	Reproductive Health and Population Control	4

Elective Basket – III (Mandatory Elective Non-Credit Course equivalent to 2 credits)

Course Code	Name of Course	Credit (L+T+P)
LSC81ME02800 LSC82ME02800 LSC91ME02800	Nutrition and Health	0
LSC81ME02900 LSC82ME02900 LSC91ME02900	Mushroom Farming	0
LSC81ME03000 LSC82ME03000 LSC91ME03000	Post-Harvest Technology for Crop Management	0
LSC81ME03100 LSC82ME03100 LSC91ME03100	Philosophy of Science and Scientific Ethics	0
LSC81SW03200 LSC82SW03200 LSC91SW03200 LSC92SW03200	SWAYAM approved Courses	0

LSC81ME03300 LSC82ME03300 LSC91ME03300 LSC92ME03300	Internship/Field work/ Apprenticeship/Innovation & Entrepreneurship/Co-curricular activities/any other similar course offered by the CUSB under MENC	0

Ph.D. in Life Science

Department of Life Science is currently offering Ph.D. in Life Science

List of Courses in Ph.D. in Life Science

Course Code	Course Title	Credit
LSC 901	Research and Publications Ethics	2
LSC 902	Fundamentals of Research Methodology	3
LSC 903	Scope and Techniques of Research in Biological Sciences	3
LSC 904	Preparation and presentation of Research Proposal	4
	Total Credits	**12**

Brief Profile of Faculty Members

	Dr. Ram Pratap Singh, *Professor and Head* Ph.D. (Central Avian Research Institute, Bareilly & M J P Rohilkhand University, Bareilly) Postdoctoral Experience: Smithsonian Conservation Biology Institute, USA & School of Animal Biology, University of Western Australia, Perth, Australia **Specialization:** Animal Physiology, Genomics		**Dr. Gautam Kumar** *Assistant Professor* M.Phil. Ph.D. (JNU New Delhi) **Specialization**: Plant Molecular Biology and Biotechnology
	Dr. Amrita Srivastava Assistant Professor *Ph.D. (Banaras Hindu University, Varanasi)* **Specialization:** Microbiology		**Dr. Tara Kashav** *Assistant Professor* Ph.D. (Jawaharlal Nehru University, New Delhi, India) Postdoctoral experience: UMASS Medical School, Worcester,

			Massachusetts, USA **Specialization**: *Protein Biochemistry and Structural Biology*
	Dr. Manoj Panchal Assistant Professor *Ph.D. (Delhi University)* **Specialization:** *Protein Hormone Biochemistry and Nucleocytoplasmic Transport*		**Dr. Naveen Kumar Singh,** Assistant Professor Ph.D. (University of Hyderabad) Postdoctoral experience: Agriculture Research Organization, Volcani Center, Israel **Specialization:** Plant Genetic Engineering, Plant cell death.
	Dr. Sanjay Kumar Assistant Professor & Ramalingaswami Fellow. Ph.D. (*Jawaharlal Nehru University, New Delhi, India*). Postdoctoral experience: *Indiana University, University of Tennessee, & Jackson State University, USA*. **Specialization:** Malaria, Cardiovascular, and Blood Cancer (Leukemia).		

Department of Bioinformatics

The post-genomic era has led to emergence of bioinformatics as an important discipline with wide-ranging applications from marker development and diagnostics to drug discovery and toxicological predictions. Bioinformatics is a rapidly growing field of study, which is an amalgamation of biology, chemistry, physics, mathematics, statistics, computer science and information technology. The department offers two programmes – PhD and MSc in bioinformatics. In these programmes, the students are trained for both dry and wet-lab techniques, enabling them to better suit for different research laboratories and industries, requiring manpower skilled in programming languages, data analytics, machine learning techniques, computational modeling and drug design and also have abilities to work on bench. Students are provided support and encouragement to gain experience in the established labs for their project and publish their research work.

Bioinformatics is a rapidly growing field of interdisciplinary study at the interface of biology and information technology. As such, Bioinformatics brings together Molecular biology with areas from Statistics, Mathematics, and Computer science. Bioinformatics now entails the creation and advancement of databases, algorithms, computational and statistical techniques, and theory to solve formal and practical problems arising from the management and analysis of biological data. Considering the interdisciplinary nature of Bioinformatics, this master programme has a major component from related subjects under one umbrella. The post graduate programme is primarily a skill-based program.

Laboratory Facilities & Resources

Extensive infrastructure facilities have been created in the form of newly constructed computer lab, which is equipped with latest computers of high configuration having Intel 7Quad Core processors. All computers are connected with high band-width Internet connection powered by1Gbps NKN backbone. The lab also has many HP, Dell, Fujitsu & Tyrone work stations for high performance computing.

M.Sc. in Bioinformatics

Objectives
The core objective of the programme is to provide quality education to the graduates, who want to pursue their career in the emerging areas of Bioinformatics and Computational Biology.

- To serve as a nodal point for Bioinformatics and its applications
- To provide industry interface to the students for research project
- To build skilled manpower for drug design and pharmaceutical industry

Semester – I		
DBCC*	**Course title**	**Total Credits**
BIS 8 1 DC 001 04	Linux and Bioinformatics	4
BIS 8 1 DC 002 04	Biochemistry and Molecular Biology	4
BIS 8 1 DC 003 04	Mathematics & Statistics with R	4
BIS 8 1 DC 004 04	Programming with Python	4
Open elective @	Other department / SWAYAM / NPTEL	4
	Total Credits	**20**

Semester – II		
DBCC	**Course title**	**Total Credits**
BIS 8 2 DC 005 04	Algorithms in Bioinformatics	4
BIS 8 2 DC 006 04	Biomolecular Modelling and Simulations	4
BIS 8 2 DC 007 04	Introduction to Research Methodology	4
BIS 8 2 DC 008 04	Genomics and Transcriptomics	4
DBCE*	Any one from the list	4
	Total Credits	**20**
DBCE courses		
BIS 8 2 DE 009 04	Evolution and Molecular Phylogeny	4
BIS 8 2 DE 010 04	Programming with Perl	4
MENC @		
BIS 8 2 ME 011 00	**ICT and Digital Skills** / Other department / SWAYAM / NPTEL	Non-credit course equivalent to 2 credits

Semester – III		
DBCC	**Course title**	**Total Credits**
BIS 9 1 DC 012 04	Chemoinformatics and Drug Design	4
BIS 9 1 DC 013 04	DBMS and WEB Technology	4
BIS 9 1 DC 014 04	Applications of Bioinformatics	4
DBCE	Any one from the list	4
Open elective	Other department / SWAYAM	4
	Total Credits	**20**
DBCE courses		
BIS 9 1 DE 015 04	Systems Biology	4
BIS 9 1 DE 016 04	Exome Sequence Data Analysis	4
MENC		
BIS 9 1 ME 017 00	**Research & Publication Ethics** / Other department / SWAYAM / NPTEL	Non-credit course equivalent to 2 credits

Semester – IV		
		Total Credits
DBCC	**Course title**	
BIS 9 2 DC 018 20	Dissertation	20
	Total Credits	**20**

*Discipline Based Core Elective Course – DE

List of open electives

Open electives	Course title	Total Credits
BIS 8 1 DC 001 04	Linux and Bioinformatics	4
BIS 8 2 DE 009 04	Evolution and Molecular Phylogeny	4
BIS 8 2 DE 010 04	Programming with Perl	4
BIS 9 1 DE 015 04	Systems Biology	4
BIS 9 1 DE 016 04	Exome Sequence Data Analysis	4

Ph.D. in Bioinformatics

The Department of Bioinformatics offers a Ph.D. program with diverse specializations, including Molecular Modeling and Simulation, Computer-Aided Drug Design (CADD), Big Data Analytics, Functional Genomics, Biological Database, and Server Development. This rigorous program equips researchers with both deep theoretical knowledge and hands-on expertise, fostering an integrative approach to studying biological systems and processes. Students receive extensive training in laboratory techniques, ensuring they are well-prepared to excel in research laboratories, pharmaceutical companies, and biotechnology industries. The program's interdisciplinary structure encourages innovation and practical application, shaping professionals who can drive advancements in bioinformatics and life sciences.

Thrust Areas of Research: Protein modelling and Simulation, Computer Added Drug Designing (CADD), Data mining, Evolutionary analysis, Biological Database and Server development, Transcriptome and proteome analysis, System Biology, X-ray crystallography and structure biology, Free energy perturbation, Big Data analysis and Machine Learning in Biology.

List of Courses in PhD. Bioinformatics

Course Code	Course Title	Credit
BIS 10 1 DC 001 02	Research Methodology	2

BIS 10 1 DC 002 02	Research and Publication Ethics	2
BIS 10 1 DC 003 04	Tools & Techniques of Research in Bioinformatics	4
BIS 10 1 DC 004 04	Preparation and presentation of Research Proposal	4
Total Credits		12

Brief Profile of Faculty Members

	Prof. Ravindranath Singh Rathore Professor Ph.D. (IISc, Bangalore), PDF (Univ Texas at Galveston Tx, USA) Specialization: Drug Design, Structural Biology & Crystallography		**Prof. Asheesh Shanker** Professor & Head Ph.D. (Banasthali Vidyapith) Specialization: Bioinformatics & Genomics
	Dr. Krishna Kr. Ojha Assistant Professor *Ph.D. (BHU)* Specialization :*Genomics, Evolutionary biology*		**Dr. Anil Kumar** Assistant Professor, *PhD (IIT, Guwahati)* Specialization: Biological Database Development
	Dr. Durg Vijay Singh Assistant Professor, *MTech and PhD (IIIT Allahabad)* Specialization: *Molecular Modeling & Drug Design*		**Dr. Vijay Kumar Singh**, Assistant Professor, *PhD (University of Turin, Italy)* Specialization: *Functional Genomics, Microarray data analysis*

Department of Environmental Science

The Department offers M.Sc. and Ph.D. Programme in Environmental Science which revolves around multidisciplinary and integrated study of the Earth, Atmospheric, Biological and Chemical processes and their linkages with developmental perspectives for attaining a sustainable environment. The focus includes complex interactions between the different components of nature (between and beyond disciplinary boundaries), impact on food security and associated ecosystem services in the immediate and long-term perspectives, besides environmental monitoring and management.

Environmental Science Laboratory:
The department is equipped with environmental science laboratory for high end research and teaching purposes. The well-equipped wet laboratory is meant for carrying out experimentation and research in Ecology, Biomanipulation and biocontrol, Biogeochemistry, Pollution (soil, air and water) monitoring and control, Environmental biotechnology and microbiology, Ecotoxicology, Solid Waste management and many others. Important equipment of environmental science laboratory are Atomic Adsorption Spectrophotometer (AAS), UV-Vis-spectrophotometer, CHNS analyzer, Ion chromatograph, Automated solvent extractor, Gas Chromatograph (GC), Gas Chromatograph Mass Spectroscopy

(GCMS), Kjeldahl nitrogen assembly, Microwave digestion system, Rotary Evaporator, Flame photometer, Incubator shaker, BOD incubator, Respirable dust sampler, etc

The dry laboratory carries out research on Modelling study of Weather and Climate, Monsoon Studies, Climate Change, Extreme Events, Cloud and Rainfall Interaction, Urban Heat Island, Remote Sensing and others. The laboratory includes high speed IBM/HP/Fujitsu (Unix/Linux servers), Regional Climate Models (PRECIS, WRF, RegCM), Climate data analysis tools, IPCC models outputs, GIS software ArcGIS10.2 are available for weather and climate modeling studies.

M.Sc. in Environmental Science

The two-year (four semesters) Postgraduate Programme is designed to provide necessary knowledge and skills to postgraduate students, so that they can learn to analyze and asses environmental systems and problems; be able to propose sustainable solutions and contribute to the development of policies and strategies for environmental planning. The major thrusts of the programme are:

1. To study natural resources, the impacts of human activities thereon and the implications of environmental degradation on human development.

2. Natural Processes in the Environment, which focus on the natural processes such as the Atmospheric, Biogeochemical, Ecological and Hydrological processes

3. The Human Dimension of Environmental Change: to understand the determinants of the growth of populations and economies, and how this growth results in demand for natural resources, leading to scarcity, pollution and risks for human health

4. Analytical Tools in Environmental Science: basic tools for analyzing environmental issues, such as data collection and analysis and modelling of air, water, soil and biological systems.

List of Courses in M.Sc. Environmental Science (80 Credits)

SEMESTER- I		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		**16**
ENV 81 DC 001 04	Environmental Biology	4
ENV 81 DC 002 04	Environmental Chemistry	4
ENV 81 DC 003 04	Environmental Geoscience	4
ENV 81DC 004 04	Atmospheric Science and Climate Change	4
	Elective Basket-I, OEIC to be taken from other department	4
	Elective Basket-II (MENC)	Non-Credit
	Credit	**20**

Elective Basket – I – For students of other departments			
Open Elective (Interdisciplinary) Course (OEIC) -4			
Course Code	**Course Title**	**Credit**	**Opt in**
ENV 8 1 **OE 005** 04	Introduction to Environmental Sciences	4	1st

ENV 8 1 **OE 006** 04	The Science and Practice of Sustainable Development	4	Semester

Elective Basket – II – Open to all students

Mandatory Elective Non-Credit Course (MENC)			
Course Code	Course Title	Credit	Opt in
ENV 8 1 ME 007 04	Swachh Bharat Internship	Non-Credit	1st Semester
ENV 8 1 ME 008 04	Swayam online Course	Non-Credit	

SEMESTER-II		
Course Code	Course Title	Credit
Discipline Based Core Course (DBCC) 16		
ENV 8 2 DC 009 04	Air Pollution and Control	4
ENV 8 2 DC 010 04	Water Pollution and Control	4
ENV 8 2 DC 011 04	Introduction to Research Methodology	4
ENV 8 2 DC 012 04	Lab and Field work	4
	Elective Basket-III (DBCE)	4
	Elective Basket-IV (MENC)	Non-Credit
Credit		20

Elective Basket – III - Only for Environmental Science Students			
Discipline Based Core Elective (DBCE)			
Course Code	Course Title	Credit	Opt in
ENV 8 2 **DE 013** 04	Biodiversity and Conservation Biology	4	2nd Semester
ENV 8 2 **DE 014** 04	Soil Science	4	
ENV 8 2 **DE 015** 04	Remote Sensing and GIS	4	
ENV 8 2 **DE** 016 04	Swayam Online Course	4	

Elective Basket - IV - Open to all			
Mandatory Elective Non-Credit Course (MENC)			
Course Code	**Course Title**	**Credit**	**Opt in**
ENV 8 2 **ME 017** 04	Environmental awareness and community development	Non-Credit	2nd Semester

Post-Graduate Diploma in Environmental Science [Semester I + II]

After completion of Semester-I and Semester- II (i.e. 1 (one) year), if student want to exit for whatsoever reason, they may be awarded Post-Graduate Diploma in Environmental Science

SEMESTER-III		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
ENV **9 1 DC 019** 04	Analytical Methods	4
ENV **9 1 DC** 020 04	Statistical Methods and Computer Application	4
ENV **9 1 DC** 021 04	Dissertation	4
	Elective Basket-V(DBCE)	4
	OEIC - to be taken from another department	4
	Elective Basket - VII (MNEC)	Non credit
	Credit	**20**
Elective Basket - V - Only for Environmental Science Students		
Discipline Based Core Elective (DBCE)		

Course Code	**Course Title**	**Credit**	**Opt in**
ENV **9 1 DE 022** 04	Eco-toxicology and Environmental Health	4	
ENV **9 1 DE 023** 04	Environmental Assessment, Management and Legislation	4	3rd Semester
ENV **91 DE 024** 04	Environmental Biotechnology	4	
ENV **9 1 SW** 025 04	Swayam Online course	4	

Elective Basket - VI - For students of other department			
Open Elective (Interdisciplinary) Course (OEIC)			
Course Code	**Course Title**	**Credit**	**Opt in**

ENV **9 1 OE 026** 04	Contemporary Environmental Issues	4	3rd Semester
ENV **9 1 OE 027** 04	Swayam online Course	4	

Elective Basket – VII - Open to all			
Mandatory Elective Non-Credit Course (MENC)			
Course Code	**Course Title**	**Credit**	**Opt in**
ENV **9 1 ME 028** 04	Indian Knowledge System for Environmental Conservation	Non-Credit	2nd Semester
ENV **9 1** SW 029 04	Swayam Online Course		

SEMESTER-IV		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
ENV 9 2 DC 030 04	**Dissertation**	8
ENV 9 2 DC 031 04	Energy and Environment	4
ENV 9 2 DC 032 04	Natural Resources and Management	4
	Elective Basket-VIII(DBCE)	4
	Credit	**20**

Elective Basket – VIII - Only for Environmental Science Students			
Discipline Based Core Elective (DBCE)			
Course Code	**Course Title**	**Credit**	**Opt in**
ENV 9 2 **DE 033** 04	Biogeochemical cycles	4	4th Semester
ENV 9 2 **DE 034** 04	Restoration Ecology	4	
ENV 9 2 **DE 035** 04	Solid Waste Management	4	
ENV 9 2 **DE 036** 04	Environmental Modelling	4	
ENV 9 2 SW 037 04	Swayam Online Course	4	

- **Discipline Based Core Course (DBCC)**: This is the foundational course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a M.Sc. programme in Environmental Science.

- **Discipline Based Core Elective Course (DBCE)**: This is the elective foundational course, aimed to expand the understanding in a specific area, emerged from the foundational knowledge. The students have choice to choose the course from a basket of DBCE. Students will have to opt 1 elective from the elective basket VII in semester IV

- **Open Elective (Interdisciplinary) Course (OEIC)**: This is the elective course, aimed to enable exposure to some other discipline or domain. The students have to choose the Open elective course from the other departments.

- The students of M. Sc. / PG Diploma Environmental Science need not require taking it from above OEIC basket but they need to take it OEIC from other department/disciplines as per their choice in any semester whenever it is commenced by the concerned Department/discipline. They will have to take 8 credits from OEIC from some other department.

- **Mandatory Elective Non-Credit Course (MENC)**: This is the value-added course to promote multidisciplinary and holistic education among the students. The course is of non-credit nature but mandatory to complete successfully for the award of the Master's degree. It is only for satisfactory/unsatisfactory completion or no gradation.

Ph.D. in Environmental Science

List of Courses in Ph.D. in Environmental Science:

Course Code	Course Title	Credit
ESC 901	Research Methodology	4
ESC 902	Tools & Techniques in Environmental Science	4
ESC 903	Preparation and presentation of Research Proposal	4
ESC 904	Research and Publication Ethics	2
		14

Brief Profile of Faculty Members

Prof. Ram Kumar
Professor
D. Sc. (Commonwealth Vocational,University)
Post Doc (NTOU, Taiwan; University Ph. D. (University of Delhi) M. Sc. (Bhagalpur University.
Specialization: Evolutionary and population ecology of marine and freshwater zooplankton, Ecological impact assessment and restoration of degraded wetlands, Bio -control and Bioremediation

Prof. Pradhan Parth Sarthi
Professor and Head, Department of Environmental Science School of Earth, Biological, and Environmental Sciences Research Scientist Centre for Atmospheric Science, IIT Delhi, New Delhi Ph.D. (Geophysics (Meteorology)) (Banaras HinduUniversity, Varanasi) M.Sc. (Tech) (Geophysics Meteorology)) (Banaras Hindu University, Varanasi) B.Sc. (Mathematics) H. D. Jain College, Ara Specialization Climate Change and Extreme Events (Drought, Cyclone). Modelling study of Weather and Climate, Monsoon, Urban Heat Island, Cloud and Rainfall Interaction, Climate Change and Health

Dr. Prashant Associate Professor Ph.D. Environment Management (Vikram University, Ujjain); PG Diploma in Environmental Law (NLU, Bhopal); Diploma in Industrial Safety pollution Control, Natural Annamalai University, Tamilnadu); M.Sc. Environment Management (Vikram University, Ujjain, (M.P.); Post Graduate Diploma in Environmental Economics (PGDEE) University of Hyderabad, Hyderabad.); B.Sc. (Hons.) Environment & Water Management (A.N. College, Patna). **Specialization** Constructed wetlands for Wastewater Treatment Solid Waste Management, Environmental Impact Assessment	**Dr. Rajesh Kumar Ranjan** Associate Professor Ph.D (JNU, New Delhi) M.Phil. (JNU, New Delhi) M.Sc. (JNU, New Delhi) B.Sc. (Magadh University , Bodhgaya) Specialization: Environmental Chemistry. Biogeochemistry
Dr. Soma Giri Assistant Professor Post Doc (CSIR-CIMFR, Dhanbad) Ph.D. (Environmental Science) (Indian School of Mines) M.Sc (Environmental Science) (Banaras Hindu University) (Gold Medalist) B.Sc (Hons) (Biotechnology) (Ranchi University) **Specialization:** Mining Environment, Human health risk assessment Metals in water, soil and dietary components	**Dr. N.L. Devi** Assistant Professor Post Doc (BHU, Varanasi) Ph.D. (China University of Geosciences, China) M.Sc. (University of Mysore, Mysuru) B.Sc. (University of Mysore, Mysuru). **Specilization:** Persistent Organic Pollutants (POPs). Atmospheric aerosols, heavy metals. Solid waste management

Department of Geology

The Department of Geology at the Central University of South Bihar, established in the 2020-2021 session, is committed to advancing comprehensive geological studies while fostering human resource development (HRD) for sustainable growth and natural resource conservation. The department takes an interdisciplinary approach, covering diverse geological fields such as Paleontology, Stratigraphy, Micropaleontology, Hydrogeology, Natural Hazards, Risk Management, Remote Sensing, Petrology, Geochemistry, and Oceanography.

As unplanned anthropogenic activities disrupt Earth's natural systems and impact biosphere growth, geoscientists play a pivotal role in understanding these changes and developing informed solutions. To equip students with practical expertise, the department emphasizes the application of geological principles, enabling them to interpret geologic maps, analyze rock formations and ore deposits, manage geological projects efficiently, conduct fieldwork and research, and develop leadership and teamwork skills.

Despite significant advancements in geological heritage studies over the past three decades, many graduate and postgraduate students face challenges in gaining deeper insights into the subject. To bridge this gap, the department provides extensive research opportunities, allowing students from various universities to enhance their expertise through internships, PhD programs, and postdoctoral research. This ensures they are well-prepared to contribute meaningfully to the field and address pressing geological challenges.

5-year Integrated UG-PG Programme in Geology

<p align="center">**COURSE STRUCTURE**</p>

SEMESTER I				
Course Types	**Course Code**	**Name of Course**	**(L+T+P)**	**Credits**
Major Course	GEL51MJ00104	Mineralogy	3+0+1	4
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Multidisciplinary Course (MD)		From other Departments / SWAYAM courses		3
Skill Enhancement Course (SEC)	GEL51SE00203	Tools and Techniques used in Geological Sciences	1+1+1	3
Value Added Course (VAC)	GEL51VA00302	Indian Contributors in Earth Sciences	2+0+0	2
Value Added Course (VAC)		Courses offered by other Departments		2
Ability Enhancement Course (AEC)		University level offered Courses		2
Minimum Credits required for Semester I				**20**

<p align="center">**Courses offered for students of other Departments**</p>

Course Types	**Course Code**	**Name of Course**	**(L+T+P)**	**Credits**
Minor Course	GEL51MJ00104	Mineralogy	3+0+1	4
Multidisciplinary Course (MD)	GEL51MD00403	Earth System Science	2+1+0	3

SEMESTER II				
Course Types	**Course Code**	**Name of Course**	**(L+T+P)**	**Credits**
Major Course	GEL52MJ00504	Introduction to Geological Sciences	3+1+0	4
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Multidisciplinary Course (MD)		From other Departments / SWAYAM courses		3
Skill Enhancement Course (SEC)	GEL52SE00603	Surveying and Mapping Techniques	1+0+2	3
Value Added Course (VAC)	GEL52VA00702	Sustainable Development Goals (SDGs)	2+0+0	2
Value Added Course (VAC)		Courses offered by other Departments		2
Ability Enhancement Course (AEC)		University level offered Courses		2
Minimum Credits required for Semester II				**20**
After Two Semesters Summer Vacation (6-8 weeks) Summer Internship				4

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL52MJ00504	Introduction to Geological Sciences	3+1+0	4
Multidisciplinary Course (MD)	GEL52MD00803	Natural Resource Management	2+1+0	3

UG DIPLOMA COURSE IN GEOLOGY (SECOND YEAR)

SEMESTER III				
Course Types	Course Code	Name of Course	(L+T+P)	Credits
Major Course	GEL61MJ00904	Petrology	3+0+1	4
Major Course	GEL61MJ01004	Elements of Geochemistry	3+1+0	4
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Multidisciplinary Course (MD)		From other Departments / SWAYAM courses		3
Skill Enhancement Course (SEC)	GEL61SE01103	Gemology	2+1+0	3
Ability Enhancement Course (AEC)		University level offered Courses		2
Minimum Credits required for Semester III				20

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL61MJ01004	Elements of Geochemistry	3+1+0	4
Multidisciplinary Course (MD)	GEL61MD01203	Geodiversity-Geoheritage-Geopark	2+1+0	3

SEMESTER IV				
Course Types	Course Code	Name of Course	(L+T+P)	Credits
Major Course	GEL62MJ01304	Palaeontology	3+0+1	4
Major Course	GEL62MJ01404	Structural Geology	3+0+1	4
Major Course	GEL62MJ01504	Introduction of Geospatial Technology	2+0+2	4
Major Course	GEL62MJ01602	Geohazards and Disaster Risk Reduction	2+0+0	2
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Ability Enhancement Course (AEC)		University level offered Courses		2
Minimum Credits required for Semester IV				20
After Two Semesters Summer Vacation (6-8 weeks) Summer Internship				4

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL62MJ01304	Palaeontology	3+0+1	4

BACHELOR OF SCIENCE IN GEOLOGY (THIRD YEAR)

Course Types	Course Code	Name of Course	(L+T+P)	Credits
SEMESTER V				
Major Course	GEL71MJ01704	Marine Geology and Micropaleontology	3+0+1	4
Major Course	GEL71MJ01804	Indian Stratigraphy	3+0+1	4
Major Course	GEL71MJ01904	Economic Geology	3+0+1	4
Major Course	GEL71MJ02002	Applied Geomorphology	2+0+0	2
Major Course	GEL71MJ02102	Internship/Seminar	0+0+2	2
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Minimum Credits required for Semester V				20

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL71MJ01704	Marine Geology and Micropaleontology	3+0+1	4

Course Types	Course Code	Name of Course	(L+T+P)	Credits
SEMESTER VI				
Major Course	GEL72MJ02204	Research Methodology	3+1+0	4
Major Course	GEL72MJ02304	Geophysical Techniques	3+1+0	4
Major Course	GEL72MJ02404	Hydrogeology	3+0+1	4
Major Course	GEL72MJ02504	Field Geology and Field Training	2+0+2	4
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Minimum Credits required for Semester VI				20

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL72MJ02304	Geophysical Techniques	3+1+0	4

BACHELOR OF SCIENCE (HONOURS) IN GEOLOGY (FOURTH YEAR)

Course Types	Course Code	Name of Course	(L+T+P)	Credits
SEMESTER VII				
Major Course	GEL81MJ02604	Igneous & Metamorphic Petrology	3+0+1	4
Major Course	GEL81MJ02704	Advanced Remote Sensing & Its Applications in Geosciences	2+1+1	4
Major Course	GEL81MJ02804	Advanced Mineralogy	3+0+1	4
Major Course	GEL81MJ02904	Sedimentology and Sequence Stratigraphy	3+0+1	4

Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Minimum Credits required for Semester VII				**20**

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL81MJ02804	Advanced Mineralogy	3+0+1	4

SEMESTER VIII				
Course Types	**Course Code**	**Name of Course**	**(L+T+P)**	**Credits**
Major Course	GEL82MJ03004	Engineering Geology	3+1+0	4*
Major Course	GEL82MJ03104	Environmental and Medical Geology	3+1+0	4*
Major Course	GEL82MJ03204	Statistics and Computer Applications in Geology	1+1+2	4*
Major Course	GEL82MJ03304	Mining Geology and Energy	3+1+0	4*
Major Course	GEL82MJ03404	Climatology	3+1+0	4*
Major Course	GEL82MJ03504	Application of Geospatial Technology in Water Resources Management	2+1+1	4*
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Minimum Credits required for Semester VIII				**20**

*All the major courses offered in VIII semester are Discipline Based Core Elective (DE) in nature and student can choose 4 courses as per your interest from the provided major course basket and one 4 credit course from other departments.

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL82MJ03004	Engineering Geology	3+1+0	4

BACHELOR OF SCIENCE HONOURS/ RESEARCH IN GEOLOGY (FOURTH YEAR)

SEMESTER VIII				
Course Types	**Course Code**	**Name of Course**	**(L+T+P)**	**Credits**
Major Course	GEL82MJ03612	Research Project	0+0+12	12
Major Course	GEL82MJ03004	Engineering Geology	3+1+0	4
Minor Course		From Chemistry/Environmental Science/Physics/Maths/Statistics / Computer Sciences/ Biological Sciences/ SWAYAM courses		4
Minimum Credits required for Semester VIII				**20**

MASTER OF SCIENCE (INTEGRATED) IN GEOLOGY (FIFTH YEAR)

Course Types	Course Code	Name of Course	(L+T+P)	Credits
SEMESTER IX				
Major Course	GEL91MJ03704	Applied Palaeontology	3+0+1	4*
Major Course	GEL91MJ03804	Oceanography	3+1+0	4*
Major Course	GEL91MJ03904	Quaternary Geology and Glaciology	3+1+0	4*
Major Course	GEL91MJ04004	Geo-Exploration	3+1+0	4*
Major Course	GEL91MJ04104	Urban Geology and Watershed Modelling	2+1+1	4*
Major Course	GEL91MJ04204	Geochronology and Isotope Geology	4+0+0	4*
Minimum Credits required for Semester IX				**20**

*All the major courses offered in IX semester are Discipline Based Core Elective (DE) in nature and student can choose any 5 courses as per your interest from the provided major course basket.

Courses offered for students of other Departments

Course Types	Course Code	Name of Course	(L+T+P)	Credits
Minor Course	GEL91MJ03804	Oceanography	3+1+0	4

Course Types	Course Code	Name of Course	(L+T+P)	Credits
SEMESTER X				
Major Course	GEL92MJ04320	Dissertation	0+0+20	20
Minimum Credits required for Semester X				**20**

M.Sc. in Geology

The M.Sc. course in Geology shall be imparted to the students for two academic sessions consisting of four semesters as given below. Candidates will be examined and evaluated on grade basis at the end of each semester in the different courses of theory and practical as per the credits given against each course. The M.Sc. Geology will consist of (a) Core Courses (b) Elective Courses and (c) Elective Courses from Swayam portal.

(a) The Core courses will be compulsory for all the students admitted to M.Sc. Geology. There will be thirteen core courses covering major branches of Geology and three sessions of two to three weeks of geological field training and viva-voce examinations in the field. The attendance in the geological field training will be compulsory for all the students. The field training and viva-voce examination will be conducted by at least two internal examiners (faculty members) during first to third semesters. For the geological field training 2 credits (50 marks) including viva-voce examination in the field shall be assigned to evaluation of the report. The semester breaks can also be utilized for the geological field training. After the field training, the students will be required to submit a detailed field report to the concerned teachers for evaluation.

(b) Project Oriented Dissertation, Presentation and viva-voce of four credits (Total of 100 marks) will be part of the Core Courses in the fourth semester. The area of Dissertation shall be assigned to the students before the commencement of the classes for the III semester based on the merit of up to II semester, the choice the students and expertise available in the Department. The Project Oriented Dissertation must be submitted at least one month before the commencement of fourth Semester's final examination. There will be a short presentation of 45 minutes in the presence of faculty members and the board of examiners for the purpose of evaluation before the submission of Project Oriented Dissertation. During completion of the Dissertation work the students will be required to complete various assignments given to them by their respective supervisors for the purpose of their evaluation.

(c)   The students shall select the Elective Courses in the beginning of all Semesters according to the scheme mentioned below.

List of Courses M.Sc. in Geology

SEMESTER I			
Nature of Course	**Course Code**	**Name of Course**	**Credit (L+T+P)**
Discipline Based Core Course	GEL81DC00104	Applied Geomorphology	3+0+1
Discipline Based Core Course	GEL81DC03604	Mineralogy and Mineral Optics	3+0+1
Discipline Based Core Course	GEL81DC03704	Structural Geology and Geotectonics	3+0+1
Discipline Based Core Course	GEL81DC03804	Igneous and Metamorphic Petrology	3+0+1
Open Elective Interdisciplinary Course	GEL81OE03904	Geo-informatics	3+1+0
Open Elective Interdisciplinary Course	GEL81OE00604	Oceanography	3+1+0
Open Elective Interdisciplinary Course	GEL81SW05204	SWAYAM approved Course	3+1+0
Mandatory Elective Non-Credit Course	GEL81ME00700	Gemology	0

SEMESTER II			
Nature of Course	**Course Code**	**Name of Course**	**Credit (L+T+P)**
Discipline Based Core Course	GEL82DC04004	Marine Geology and Micropaleontology	3+0+1
Discipline Based Core Course	GEL82DC04104	Stratigraphy and Paleontology	3+0+1
Discipline Based Core Course (Skill Based)	GEL82DC01004	Research Methodology	3+1+0
Discipline Based Core Course	GEL82DC04204	Advance Geospatial Technology and Its Applications in Geology	2+1+1
Discipline Based Course Elective	GEL82DE04304	Geohazards and Disaster Risk Reduction	3+1+0
Discipline Based Course Elective	GEL82DE04404	Geophysics and Mineral Exploration	3+1+0
Discipline Based Course Elective	GEL82DE04504	Environmental and Engineering Geology	3+1+0

| Mandatory Elective Non-Credit Course | GEL82ME01700 | Sustainable Development Goals (SDGs) and role of Geology | 0 |

SEMESTER III			
Nature of Course	**Course Code**	**Name of Course**	**Credit (L+T+P)**
Discipline Based Core Course	GEL91DC02004	Sedimentology	3+0+1
Discipline Based Core Course	GEL91DC04602	Geological Field	0+0+2
Discipline Based Core Course	GEL91DC02104	Hydrogeology	3+0+1
Discipline Based Core Course	GEL91DC04704	Ore and Mining Geology	3+1+0
Discipline Based Core Elective	GEL91DE04802	Geochemistry and Isotope Geology	2+0+0
Discipline Based Core Elective	GEL91DE04902	Cryosphere and Climate change	2+0+0
Discipline Based Core Elective	GEL91SW05002	SWAYAM approved Course	2+0+0
Open Elective Interdisciplinary Course	GEL91OE02604	Natural Hazard and Disaster Management	3+1+0
Mandatory Elective Non-Credit Course	GEL91ME02700	Geoheritages and Geoparks	0

SEMESTER IV			
Nature of Course	**Course Code**	**Name of Course**	**Credit (L+T+P)**
Discipline Based Core Course	GEL92DC05120	Dissertation	20

Ph.D. in Geology

The faculty members of the Department of Geology are committed to high-quality research and the pursuit of excellence in teaching. The introduction of the Ph.D. program in the 2020-21 academic session will further strengthen and institutionalize the department's tradition of innovation and research.

Adopting both interdisciplinary and intra-disciplinary approaches, the department offers a broad range of research areas, including Micropaleontology, Hydrogeology, Water Resource Management, Natural Hazard Prediction and Modeling (Landslides, Floods, Droughts), Advanced Applications of Geospatial Technology in Earth Resources Mapping and Monitoring, River Basin Management, Oceanography, Geochemistry, Igneous Petrology, and Isotope Geology. These

research areas provide students with extensive opportunities to develop expertise in understanding Earth's dynamic processes and applying geological knowledge toward sustainable solutions.

All the students seeking admission for Ph.D. will be required to successfully complete the course work before the beginning of the research for their Ph.D. thesis. The course work will be of two semesters (as per program mentioned below)

List of Courses of Ph.D in Geology

Semester – I		
Course Code	Course Name	Credits
GEL101C0102	Research and Publications Ethics	02
GEL101C0203	Fundamentals of Research Methodology	03
GEL101C0303	Tools and Techniques of Research in Geological Sciences	03
Semester – II		
Course Code	Course Name	Credits
GEL102C0404	Preparation and Presentation of Research Proposal	04

Brief Profile of Faculty Members

	Dr. Prafull Kumar Singh, Professor & Head **Specialization:** Hydrogeology, Geologic Remote Sensing, Natural Hazards		**Dr. Kongrailatpam Milankumar Sharma** Associate Professor *Specialization:* Applied palaeontology, Stable Isotope analysis, palaeobiogeography, Sedimentology, Stratigraphy.
	Dr. Longjam Kabita Chanu, Assistant Professor **Specialization:** Igneous petrology & Geochemistry		**Dr. Vikal Kumar Singh,** Assistant Professor *Specialization:* Applied Nucrioakeibtikigy
	Dr. Dhirendra Kumar Assistant Professor *Specialization:* Geomorphology, Remote Sensing & GIS, Cryosphere and Climate change, Quaternary Geology		**Dr. Priti Rai** Assistant Professor *Specialization:* Mineralogy, Sediment Provenance Study, Zircon U-Pb Geochronology, Fission Track Dating, Drainage and Landscape Evolution.

Department of Geography

Established in 2022, the Department of Geography at the School of Earth, Biological & Environmental Sciences stands at the crossroads of discovery, innovation, and applied learning. With a team of dedicated faculty members—one Professor, two Associate Professors, and four Assistant Professors—the department is committed to shaping the geographers of tomorrow through comprehensive education, cutting-edge research, and hands-on training.

Guided by the visionary principles of NEP-2020, the curriculum is meticulously designed to provide students with a holistic understanding of Geography, seamlessly blending core theoretical foundations with advanced geographical techniques. Recognizing the evolving nature of Geography and the growing demand for skilled professionals, the department emphasizes applied aspects of the discipline, ensuring students develop practical expertise alongside conceptual knowledge.

Whether it's exploring Earth's dynamic systems, analyzing spatial patterns, or harnessing geospatial technology, the department fosters an academic environment where curiosity meets purpose, preparing students to thrive in a world shaped by geography. With employability at the forefront, students gain expertise in areas such as GIS and remote sensing, environmental planning, disaster management, urban development, and resource conservation, equipping them for careers in research, government agencies, private consultancy, and global sustainability initiatives.

Five-Year Integrated UG-PG Programme in Geography

Course Structure

Five-Year Integrated UG-PG Programme in Geography

SEMESTER-I

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO51MJ00104	**Major**	**Physical Geography**	4
2	GEO51MJ00104	**Minor***	**Physical Geography**	4
3	GEO51MD00203	**Multidisciplinary****	**Universe and Earth System**	3
4		Ability Enhancement Course (AEC)	**Languages (To be offered by the University)**	2
5	GEO51SE00303	Skill Enhancement Course (SEC)	**Map Reading and Interpretation**	3
6	GEO51VA00402	Value Added Course (VAC)	**Understanding Land and Culture of Bharat**	2
7	GEO51VA00502		**Community Service and Development Programme**	2

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of FOUR credits has to be covered by Geography Students offered by other Departments.
** Only for the Students of the other Departments

SEMESTER-II

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO52MJ00604	**Major**	**Human Geography**	4
2	GEO52MJ00604	**Minor***	**Human Geography**	4
3	GEO52MD00703	**Multidisciplinary****	**Environmental Ethics and Sustainable Development**	3

SN	Course Code	Course Type	Course Title	Total Credits
4		Ability Enhancement Course (AEC)	**Languages (To be offered by the University)**	2
5	GEO52SE00803	Skill Enhancement Course (SEC)	**Map Projections, Weather Map Analysis and Digital Mapping**	3
6	GEO52VA00902	Value Added Course (VAC)	**Geography of Culture and Heritage of Bharat**	2
7	GEO52VA01002		**Yoga Education/NCC/NSS**	2

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.
** Only for the Students of the other Departments*

Students exiting the programme after securing **40 credits** will be awarded **UG CERTIFICATE** in **Basic Geography** provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.

SEMESTER-III

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO61MJ01104	**Major**	**Fundamentals of Geomorphology**	4
2	GEO61MJ01204	**Major**	**Climatology**	4
3	GEO61MJ01204	**Minor***	**Climatology**	4
4	GEO61MD01303	**Multidisciplinary****	**Geography of Indian Ocean Region**	3
5		Ability Enhancement Course (AEC)	**Languages (To be offered by the University)**	2
6	GEO61SE01403	Skill Enhancement Course (SEC)	**Remote Sensing and GIS in Geography**	3

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.
** Only for the Students of the other Departments*

SEMESTER-IV

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO62MJ01504	**Major**	**Bharat: A Comprehensive Systematic Geography**	4
2	GEO62MJ01604	**Major**	**Fundamentals of Economic Geography**	4
3	GEO62MJ01704	**Major**	**Watershed Management**	4
4	GEO62MJ01802 GEO62MJ01902	**Major #** **(Either 'a' or 'b')**	**(a) Socio-Economic Survey (Surrounding Areas of the Campus)** **(b) Instrumental Survey**	2
5	GEO62MJ01504	**Minor***	**Bharat: A Comprehensive Systematic Geography**	4
6		Ability Enhancement Course (AEC)	**Languages (To be offered by the University)**	2

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.
Tutorial/Practical

Students exiting the programme after securing **80 credits** will be awarded **UG DIPLOMA** in '**Geography**' provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship (either in first year or second year) in addition to 6 credits from skill-based courses earned during first and second semester.

SEMESTER-V

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO71MJ02004	**Major**	**Fundamentals of Geographical Thought**	4
2	GEO71MJ02104	**Major**	**Population Geography**	4
3	GEO71MJ02204	**Major**	**Hydrology and Oceanography**	4
4	GEO71MJ02302	**Major #**	**Project- Integrated Land and Water Management (Surrounding Areas of the Campus)**	2
5	GEO71MJ02104	**Minor***	**Population Geography**	4
6	GEO71MJ02402	Internship	**Internship**	2

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.

Tutorial/Practical

SEMESTER-VI

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO72MJ02504	**Major**	**Regional Geography of World**	4
2	GEO72MJ02604	**Major**	**Historical Geography of Bharat**	4
3	GEO72MJ02704	**Major**	**Environment and Sustainable Development**	4
4	GEO72MJ02804	**Major**	**Statistical Techniques in Geography**	4
5	GEO72MJ02504	**Minor***	**Regional Geography of World**	4

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.

Students who want to undertake 3-year UG programme will be awarded **B.A. Degree in Geography with a minor in ------------------ upon securing 120 credits.**
They are **NOT REQUIRED** to earn 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship.

SEMESTER-VII

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO81MJ02904	Major	Agricultural Geography	4
2	GEO81MJ03004	Major	Disaster Management	4
3	GEO81MJ03104	Major	Research Ethics and Methodology	4
4	GEO81MJ03204	Major	Urban Geography	4
5	GEO81MJ03004	Minor*	Disaster Management	4

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of __FOUR__ credits has to be covered by Geography Students offered by other Departments.

SEMESTER-VIII

(For Students having < CGPA 7.5)

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO82MJ03304	Major	Spatial Planning and Management	4
2	GEO82MJ03404	Major	Political Geography	4
3	GEO82MJ03504	Major	Geography of Transport	4
4	GEO82MJ03604	Major	Rural Development	4
5	GEO82MJ03304	Minor*	Spatial Planning and Management	4

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of __FOUR__ credits has to be covered by Geography Students offered by other Departments.

Students will be awarded UG Degree with Honours in the relevant Discipline /Subject provided they secure **160 credits.**

SEMESTER-VIII

(For Students having ≥ CGPA 7.5)

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO82MJ03304	Major	Spatial Planning and Management	4
2	GEO82MJ03404	Major		4
3	GEO82MJ03504	Major	Research Project (12 Credits)	4
4	GEO82MJ03604	Major		4
5	GEO82MJ03104	Minor*	Geography of Transport	4

Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
One Minor course of __FOUR__ credits has to be covered by Geography Students offered by other Departments.

Students will be awarded UG Degree with Honours & Research in the relevant Discipline /Subject provided they secure **160 credits**

One Year PG Programme

Students having Bachelors with Honours in Geography

SEMESTER-IX

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO91MJ03704	**Major**	**Advanced Geomorphology**	4
2	GEO91MJ03804	**Major**	**Advanced Remote Sensing and GIS**	4
3	GEO91MJ03904	**Major**	**Advanced Statistics for Spatial Analysis**	4
4	GEO91MJ04004	**Major**	**Demographic Techniques**	4
5	GEO91MJ04004	**Minor***	**Demographic Techniques**	4

*Minor Course for the students of other Discipline who want to opt Geography as Minor Discipline
*One Minor course of <u>FOUR</u> credits has to be covered by Geography Students offered by other Departments.

SEMESTER-X

SN	Course Code	Course Type	Course Title	Total Credits [20]
1	GEO92MJ04220		**Dissertation**	20

After completion of Sem-IX and X with 40 credits, students will be awarded PG Degree (One Year) in Geography.

M.A./ M.Sc. in Geography

The M.A./M.Sc. curriculum in Geography spans two academic sessions across four semesters, designed to provide students with a comprehensive, multidisciplinary, and holistic education in alignment with the NEP-2020 vision. The program integrates Discipline-Based Core Courses (DBCC) alongside Open Elective (Interdisciplinary) Courses (OEIC), ensuring a well-rounded academic experience. Additionally, a curated set of Mandatory Elective Non-Credit (MENC) courses enhances the program's multidisciplinary approach, broadening students' intellectual horizons.

To ensure rigorous academic training, students will undergo grading-based evaluation at the end of each semester, covering both theoretical and practical components as per the assigned credits. By blending core geographical principles with applied methodologies, the program equips students with the skills, analytical capabilities, and interdisciplinary knowledge essential for thriving in contemporary geographical studies and research.

Course Structure

Semester I		
Course Code	**Course Title**	**Credits**
GEO81DC00104	Geographic Thought: Concept and Issues	4
GEO81DC00204	Geomorphology	4
GEO81DC00304	Remote Sensing (Theory)	4
GEO81DC00402	Remote Sensing (Practical)	4
GEO81DC00502	Statistical Techniques in Spatial Analysis	4

GEO81OE00104	Geography of South Asia	4
GEO81OE00204	Geography of India	4
CEO81OE00304	Contemporary Human Geography	4
Noncredit (MENC)		0

Semester II

GE082DC00604	Research Methodology	4
GE082DC00704	Climatology	4
GE082DC00804	Geographical Information Science (Theory)	4
GE082DC00902	Geographical Information Science (Practical)	2
GE082DC01002	Advanced Field Tools Techniques (Practical)	2
GE082DE00104	Settlement Geography	4
GE082DE00204	Agricultural Geography	4
GE082DE00304	Social Geography	4
GE082DE00504	Political Geography	4
GE082DE00604	Economic Geography	4
GE082DC00704	Geography of Tourism	4
Noncredit (MENC)		0

Semester III

GEO91DC01104	Population Geography	4
GEO91DC01204	Dissertation	4
GEO91DC01302	Field work and investigation	2
GEO91DC01402	Introduction to Machine Learning	2
GEO91DE00804	Hydrology and Water Resource Management	4
GEO91DE00904	Advanced Geography of India	4
GEO91DE01004	Geography of Health and well being	4
GEO91DE01104	Rural Development	4
GEO91DE01204	Urban Governance and Planning	4
GEO91DE01304	Geography of Heritage Conservation	4
GEO91DE01404	Geography of Geo Parks and Geo Tourism	4

GEO91DE01504	Environment hazards and disaster risk reduction	4
GEO091OE00404	Introduction to Climate Change	4
GEO091OE00504	Spatial Information System	4
GEO091OE00604	Physical Geography	4
Noncredit (MENC)		0
Semester IV		
GEO92DC01504	Environment & Sustainable Development	4
GEO92DC01608	Dissertation	8
GEO92DE01604	Oceanography	4
GEO92DE01704	Climate Change and Adaptations	4
GEO92DE01804	Regional Planning and Development	4
GEO92DE01904	Soil Geography	4
GEO92DE02004	Gender Geography	4
GEO92DE02104	Introduction to Demographic Methods	4
GEO92DE02204	Cultural Geography	4
GEO92DE02304	Urbanization and Urban System	4
GEO92DE02404	Natural Resource Management	4
MENC		0

Ph.D. in Geography

The Department of Geography is dedicated to fostering exceptional learning opportunities, pioneering impactful research, and contributing meaningfully to both local and global communities. Upholding the principles of academic freedom, diversity of perspectives, inclusivity, and a global outlook, we strive to deliver high-quality education and scholarly excellence that empowers students and researchers alike.

Our research mission is to highlight the significance and expansive scope of geography, ensuring its relevance among educators, policymakers, and the broader public. Through innovative studies and interdisciplinary collaboration, we aim to bridge the gap between academic inquiry and real-world applications, demonstrating how geography plays a vital role in shaping sustainable development, resource management, and informed decision-making.

All the students seeking admission for Ph.D. will be required to successfully complete the course work before the beginning of the research for their Ph.D. Degree.

Course Code	Course Title	Credit
GEO901	Research Methodology	4

GEO902	Tools and Techniques in Geography	4
GEO903	Presentation and Preparation of Research Proposal	4
GEO904	Research and Publication Ethics	2
	Total	14

Faculty Profile

	Prof. Kiran Kumari Professor and Head M.A. (DDU Gorakhpur University) Ph.D. (VBS Purvanchal University) **Specialization:** *Urban Geography, Regional Planning and Development, Social and Cultural Geography, Tourism Geography, Medical Geography, Remote Sensing and GIS*		**Dr. Sunita Singh** Assistant Professor M.A., Ph.D., P.G. Diploma & M.Sc., Post-Doc. (Banaras Hindu University) **Specialization:** *Physical Geography, Remote Sensing, Agricultural Geography*
	Dr. Jogindar Singh Chauhan Assistant Professor M.Phil., Ph.D. (Jamia Milia Islamia University, New Delhi) **Specialization:** *Fertility, Family Planning*		**Dr. Manjit Singh** Associate Professor MA, Ph.D. (Delhi University) **Specialization:** *Rural Development, Tribal Development, Transport Geography, Disaster Management & Geoinformatics*
	Dr. Somnath Bera Assistant Professor M.Phil., Ph.D. (Tata Institute of Social Sciences, Mumbai, IIT, Delhi) **Specialization:** *Disaster risk and resilience; Geoinformatics*		

SCHOOL OF EDUCATION

Department of Education

The School of Education, honored by the Ministry of Education, Government of India, serves as a center for excellence in Learning, Pedagogy, and Assessment. Established in 2013-14, the school pioneered Four-Year Integrated programs in two distinct streams—B.A.B.Ed. and B.Sc.B.Ed.—laying a strong foundation for aspiring educators. To meet the increasing demand for high-quality teacher educators and researchers, the school further expanded its academic offerings by introducing the Ph.D. (Education) program in 2016-17 and the M.Ed. program in 2017-18.

Keeping pace with evolving educational needs and standards, the school continuously updates its course curricula to align with the latest academic advancements. To enrich the learning experience, it houses a state-of-the-art Educational Resource Centre, featuring an exclusive repository of print and digital books and journals, along with an extensive collection of educational policy documents, psychological tests, experimental equipment, digital learning resources, and teaching aids.

Beyond academics, the school fosters holistic student development through workshops, seminars, and specialized training programs, ensuring a well-rounded educational experience. It also hosts two dedicated centers—the Centre for Learning and Pedagogic Studies and the Centre for Assessment and Evaluation—alongside the National Resource Centre for Education under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Scheme (PMMMNTT), Government of India. Through initiatives such as Academic Leadership Programs, Induction Training, Online Refresher Courses, and various digital learning modules, the school remains committed to shaping competent educators ready to navigate the evolving landscape of modern education.

The School under its Department of Teacher Education is presently offering following programmes:

Programmes offered→	Ph.D. in Education	M.Ed.	Four-Year Integrated B.A.B.Ed.	Four-Year Integrated B.Sc.B.Ed.
Duration :	03 Years	02 Years	04 Years	04 Years
Eligibility Criteria :	M.Ed./ M.A. (Education) from any recognized University	B.Ed. or Four-Year Integrated B.A.B.Ed./B.Sc.B.Ed.	10+2 or equivalent examination	10+2 or equivalent examination

	with 55% marks or equivalent Grade B in UGC 7 point scale. A Relaxation of 5% of marks from 55 to 50% or equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.	Degree from any recognized University/ institution with at least 50% marks or equivalent grade for General/OBC category and 45% marks for SC/ST candidates.	in any stream from any recognized Board/ University with at least 50% marks for General / OBC and 45% marks for SC / ST candidate.	in Science stream from any recognized Board/ University with at least 50% marks for General /OBC and 45% marks for SC / ST candidate.
Intake of students:	**As per norms**	**63***	**63***	**63***

* Including EWS Quota

Four-Year Integrated B.Sc.B.Ed.

Four-year integrated programmes aim to equip the students with the contextual competency by providing basic knowledge in core subjects and a wide range of rea-life experience to transform them into quality subject specific teachers in an integrated manner.

The four-year (eight semesters) B.Sc.B.Ed. programme is an integrated programme, which is designed to develop teaching competence among students in the subjects like Mathematics, Science and Biology along with language proficiency and ICT skills.

Four-Year Integrated B.A.B.Ed.

The four-year (eight semesters) B.A.B.Ed. programme is an integrated programme, which is designed to develop teaching competence among students in the subjects like Social Sciences, Hindi and English along with language proficiency and ICT skills.

List of Courses in Integrated B.A.B.Ed. and B.Sc. B.Ed. Programme

Semester – I					
Education Courses (8 Credits)					
Course Code	**Course Title**				**Credits**
EDU 101	Language Proficiency				2
EDU 102	Holistic Education				2
EDU 103	Indian Society, Education and Development				4
03 Non-Credit Courses namely, Fine Arts in Education, Physical Education and Yoga, Performing Arts in Education.					
B.A. Courses (Three Subjects of 4 Credit each as per the offered combination)			**B.Sc. Courses** (Three Subjects of 4 Credit each as per the offered combination)		
Course Code	**Course Title**	**Credits**	**Course Code**	**Course Title**	**Credits**
ENG 101	Introduction to English Language	4	MTH 101	Introductory Mathematics	4
HIN 101	हिंदीभाषा एवं साहित्यः उद्भव एवं विकास	4	PHY 101	Mechanics - 3 credit + Practical – 1 Credit	4
ECO 101	Basic Principles of Economics	4	CHE 101	ATOMIC STRUCTURE, BONDING AND FEATURES OF s-	4 (3L+1P)

				and p-BLOCK ELEMENTS	
PSC 101	Basic Principles of Political Science	4	ALS 101	Animal Taxonomy	4(3L+1P)
HIS 101	Ancient Indian History upto 1206 A.D.	4	PTS 101	Plant Taxonomy	4 (3L+1P)

Semester - II

Education Courses (8 Credits)

Course Code	Course Title	Credits
EDU 151	Language Proficiency	2
EDU 152	Environmental Education	2
EDU 153	Cognitive Psychology	2
EDU 154	Basics in Education	2

B.A. Courses (Three Subjects of 4 Credit each as opted in Semester-I)			B.Sc. Courses (Three Subjects of 4 Credit each as opted in semester-I)		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ENG 151	Introduction to English Literature I:Understanding Poetry	4	MTH 151	Analysis-I	4
HIN 151	प्राचीन एवं मध्यकालीनकाव्य	4	PHY 151	Elasticity, Waves, Thermodynamics - 3 credit + Practical - 1 Credit	4
ECO 151	Microeconomics	4	CHE 151	STATES OF MATTER AND NUCLEAR CHEMISTRY	4 (3L+1P)
PSC 151	Indian Government and Politics	4	ALS 151	Biochemistry & Cell Biology	4(3L+1P)
HIS 151	Medieval Indian History 1206 to 1756	4	PTS 151	Genetics & Evolution	4(3L+1P)

Semester - III

Education Courses (9 Credits)

Course Code	Course Title	Credits
EDU 201	Psychology of Learning and Learner	2
EDU 202	Secondary Education in India	2
EDU 203	Human Abilities and Measurement (HAM)	2
EDU 204	Practicum in HAM	2
EDU205	Yoga Education	1

B.A. Courses (Three Subjects of 4 Credit each as opted in Semester-I)			B.Sc. Courses (Three Subjects of 4 Credit each as opted in Semester-I)		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ENG 201	Introduction to English Literature II: Understanding Drama	4	MTH 201	Linear Algebra	4
HIN 201	हिंदी कथासाहित्यः उद्भव, विकास एवं पाठ ¼कहानी एवं उपन्यास½	4	PHY 201	Electricity and Magnetism - 3 credit + Practical - 1 Credit	4
ECO 201	Macroeconomics	4	CHE 201	ORGANIC CHEMISTRY	4 (3L+1P)
PSC 201	Indian Political Thought	4	ALS 201	Molecular Biology & Immunology	4(3L+1P)
HIS 201	Modern Indian History 1757 to 1857	4	PTS 201	Ecology & Environmental Biology	4(3L+1P)

Semester - IV

Education Courses (9 Credits)

Course Code	Course Title	Credits
EDU 251	ICT in Education	4
EDU 252	Assessment of Learning	2
EDU 253	Educational Statistics	2
EDU 254	Community Awareness and Participation	1

B.A. Courses (Three Subjects of 4 Credit each as opted in Semester-I)			B.Sc. Courses (Three Subjects of 4 Credit each as opted in Semester-I)		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ENG 251	Introduction to English Literature III: Understanding Prose-Fiction	4	MTH 251	Analysis- II	4
HIN 251	आधुनिक हिंदी काव्य	4	PHY 251	Optics and Lasers - 3 credit + Practical - 1 Credit	4
ECO 251	Indian Economy: Problems and Prospects	4	CHE 251	PHYSICAL CHEMISTRY-I: THERMODYNAMICS, EQUILIBRIUM AND SOLUTIONS	4 (3L+1P)
PSC 251	International Relations From 1914 to the Present	4	ALS 251	Animal Biodiversity	4(3L+1P)
HIS 251	Modern Western Civilization 1776 to 1945	4	PTS 251	Plant Biodiversity	4(3L+1P)

Semester – V

Education Courses (10 Credits)		
Course Code	**Course Title**	**Credits**
EDU 301	Curriculum Development	2
EDU 302	Pedagogy of Subjects – I	2
EDU 303	Pedagogy of Subjects – II	2
EDU 304	Education and Value Inculcation	2
EDU305	Gender, School and Society	2

B.A. Courses (Any two Subjects of 6 Credit each out of the three subjects opted in Semester-I)		Credits	B.Sc. Courses (Two Subjects of 6 Credit each out of the three subjects opted in Semester-I)		Credits
Course Code	**Course Title**		**Course Code**	**Course Title**	
ENG 301	History of English Language and Literature I	3	MTH 301	Algebra I	3
ENG 302	Novels in English	3	MTH 302	Ordinary Differential Equations	3
HIN 301	काव्यशास्त्रः भारतीय एवं पाश्चात्य	3	PHY 301	Electronics - 3 credit + Practical - 1 Credit	4
HIN 302	हिंदी निबंध एवं आलोचना	3	PHY 302	Kinetic Theory &Statistical Mechanics	2
ECO 301	Elements of Statistics for Economic Analysis	3	CHE301	Transition Elements and Coordination Compounds	2(2L)
ECO 302	Elements of Mathematics for Economic Analysis	3	CHE302	Chemical Kinetics And Surface Phenomena	2 (2L)
PSC 301	Western Political Thought	3	CHE303	Chemistry Practical	2(2P)
PSC 302	Comparative Government and Politics	3	ALS 301	Animal Behaviour & Applied Animal Science	6 (4L+2P)
HIS 301	Historiography	3	PTS 301	Plant Pathology & Applied Plant Science	6 (4L+2P)
HIS 302	History of Indian National Movements 1858 to 1947	3			

Semester – VI

Education Courses (10 Credits)		
Course Code	**Course Title**	**Credits**
EDU 351	Pedagogy of Subjects – I	2
EDU 352	Pedagogy of Subjects – II	2
EDU 353	Practicum: School Observation	2

EDU 354	Micro Teaching	2
EDU 355	School Management	2

B.A. Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits	B.Sc. Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits
Course Code	**Course Title**		**Course Code**	**Course Title**	
ENG351	History of English Language and Literature II	3	MTH 351	Analysis III	3
ENG352	Indian English Poetry and Drama	3	MTH 352	Partial Differential Equations and Complex Analysis	3
HIN 351	विविध गद्य–रूप	3	PHY 351	Quantum Mechanics - 3 credit + Practical ‑ 1 Credit	4
HIN 352	प्रयोजनमूलक हिंदी	3	PHY 352	Relativity	2
ECO351	International Trade and Balance of Payments	3	CHE351	Organic Chemistry II	2(2L)
ECO352	Growth and Development	3	CHE352	ORGANIC CHEMISTRY- III	2 (2L)
PSC 351	Basic Principles of Public Administration	3	CHE353	CHEMISTRY PRACTICAL	2(2P)
PSC 352	India's Foreign Policy	3	ALS 351	Animal Physiology	6 (4L+2P)
HIS 351	India and Contemporary world	3	PTS 351	Plant Physiology and Plant Development Biology	6 (4L+2P)
HIS 352	History of West Asia in 20th Century	3			

Semester ‑ VII		
Education Courses (12 Credits)		
Course Code	**Course Title**	**Credits**
EDU 401	Human Development	**4**
EDU 402	School Experience Programme ‑ I	**8**

B.A. Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits	B.Sc. Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits
Course Code	**Course Title**		**Course Code**	**Course Title**	
ENG401	Literary Criticism	3	MTH 401	Algebra II	3
ENG402	Indian English Novel	3	MTH 402	Numerical Methods	3
HIN 401	नाटक एवं रंगमंच	3	PHY 401	Atomic & Molecular Physics ‑ 3 credit + Practical ‑ 1 Credit	4
HIN 402	अनुवादः सिद्धांत एवं अनुप्रयोग	3	PHY 402	Electrodynamics and Plasma Physics	2
ECO401	Public Finance	3	CHE-401	ELECTROCHEMISTRY-	2 (2L)

Course Code	Course Title	Credits	Course Code	Course Title	Credits
				I (Including redox chemistry)	
ECO402	Money, Financial Institutions and Markets	3	CHE-402	Electrochemistry - II And photochemistry	2 (2L)
PSC 401	United Nations Organization	3	CHE-403	Chemistry Practical	2(2P)
PSC 402	Issues in Indian Politics	3	ALS 401	Developmental Biology & Endocrinology	6(4L+2P)
HIS 401	History of far East Asia in 20th Century	3	PTS 401	Microbiology	6(4L+2P)
HIS 402	History of South East Asia in 20th Century	3			

Semester - VIII

Education Courses (14 Credits)		
Course Code	**Course Title**	**Credits**
EDU 451	School Experience Programme - II	8
EDU 452	Reflective Journal	2
EDU 453	Inclusive Education	2
EDU ***	Elective Course	2

BA Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits	BSc Courses (Two Subjects of 6 Credit each as opted in Semester-V)		Credits
Course Code	**Course Title**		**Course Code**	**Course Title**	
ENG 451	Introduction to Contemporary Literary Theory and Practical Criticism	3	MTH 451	Probability and Statistics	3
ENG ***	Elective Course	3	MTH ***	Elective - I	3
HIN 451	भारतीय साहित्य एवं हिंदी का लोकसाहित्य	3	PHY 451	Solid State Physics - 3 credit + Practical - 1 Credit	4
HIN 452	समकालीन हिंदी साहित्य	3	PHY 452	Nuclear Physics	2
ECO ***	Elective -I	3	CHE451	SPECTROSCOPY AND NATURAL PRODUCTS	2 (2L)
ECO ***	Elective-II	3	CHE452	DYES, DRUGS, MACROMOLECULES AND HETEROCYCLICS	2 (2L)
PSC 451	Regional Organizations	3	CHE453	CHEMISTRY PRACTICAL	2(2P)
PSC 452	Gandhian Philosophy and Action	3	ALS 451	Animal Biotechnology & Project Work	6(4+2)
HIS 451	History of U.S.A. in 20th Century	3	PTS 451	Plant Biotechnology & Project Work	6(4+2)
HIS 452	History of U.S.S.R in 20th Century	3			

Elective Basket of Education (Semester – VIII)

Course Code	Course Title	Credits
EDU 454	Guidance and Counselling	**2**

EDU 455	Population Education	**2**
EDU 456	Education of Children with Special need	**2**
EDU 457	Distance Education and Open Learning	**2**

Elective Basket of Mathematics (Semester – VIII)		
(Any One electives from the following)		
MTH 452	Linear Programing	3
MTH 453	Discrete Mathematics	3
MTH 454	Graph Theory	3
MTH 455	Number Theory	3
MTH 456	Statistics and Dynamics	3
MTH 457	Hydrodynamics	3

Elective Basket of Economics (Semester – VIII)		
(Any two electives from the following)		
ECO 451	Environmental Economics	3
ECO 452	Basic Econometrics	3
ECO 453	Financial Economics	3
ECO 454	Human Development	3

Elective Basket of English (Semester – VIII)		
(Any One electives from the following)		
ENG 452	American Literature	3
ENG 453	Literature and Nature	3
ENG 454	Women's Literature	3
ENG 455	Language and Linguistics	3

Notes:
1. *This structure and the pattern of offering the courses is subject to change time to time, even during the programme duration of a particular batch to strengthen the programme's goals and objectives.*
2. *The students shall be bound to opt the combination of subjects out of combination(s) offered by the Department; communicated during the orientation in the beginning of Semester I and V.*
3. *In case of any typing error in nomenclature/code/credits of courses of BA/BSc component, the information recorded with concerned subject department will be treated as final.*

Offered subject combinations in B.A.B.Ed.

Subject No.	Subject Name

I	Any one of the following:
	   (i) English
	   (ii) Hindi

II	History

III	Any one of the following
	      i) Economics
	      ii) Political Science

Offered subject combinations in B.Sc.B.Ed.

Subject No.	Subject Name	
	For Mathematics Group	**For Non-Mathematics Group**
I	Mathematics	Animal Science
II	Physics	Plant Science
III	Chemistry	Chemistry

The Master of Education (M.Ed.) is a two-year (four-semester) professional program designed for advanced study in Teacher Education, equipping students with the expertise to become teacher educators, educational policy analysts, planners, and experts in educational assessment. With a strong academic foundation, the program provides a comprehensive overview of Education, deeply rooted in the core disciplines of Philosophy, Sociology, and Psychology, alongside specialized study in chosen areas of interest.

To ensure a well-rounded understanding of teaching methodologies, the curriculum incorporates advanced pedagogical components, enabling prospective teacher educators to refine their expertise within their parent discipline. As an education research-oriented degree, the program also integrates a strong research component, culminating in dissertation writing, fostering critical inquiry and scholarly contributions to the field.

List of courses in M.Ed.

S. No	Course Code	Course Title	Credits
Semester-I		**Total: 20 Credits**	
Discipline Based Core Courses			**(16 Credits)**
1.	MED81DC00104	Philosophical and Sociological Foundation of Education	4
2.	MED81DC00204	Learner and Learning Process	4
3.	MED81DC00304	Basics of Educational Research	4
4.	MED81DC00404	Educational Assessment and Evaluation	4
Open Elective (Interdisciplinary) course (04 Credits)			
5.	To be taken from any other department of CUSB/ Swayam course(s) [accommodated/approved by the department]		4
Dissertation* (The dissertation work under the allotted supervisor shall start from the first semester itself and will conclude in the final semester)			
Mandatory Elective Non-credit course [#] (A student is required to complete (by obtaining satisfactory grade) MENC courses equivalent to minimum 04 credits during the span of her/his M.Ed. programme as per her/his choice/suggested by the department)			
	Mandatory Elective Non-credit course -I (Any one of the following)		
6.	MED81ME00500 MED81ME00600 MED81ME00700	1. Digital Skill and Competencies 2. Life Skills 3. Academic writing Skill	2
Semester-II		**Total: 20 Credits**	
Discipline Based Core Courses		**(12 Credits)**	
1.	MED82DC00804	History, Politics and Economics of Education	4
2.	MED82DC00904	Advance Educational Research and Statistical Analytical skills	4
3.	MED82DC01004	Curriculum Studies	4
4.	**Discipline Based Core Elective Course-I** *(Any one of the following)* **(04 Credits)** MED82DE01104 MED82DE01204 MED82DE01304 MED82DE01404	 1. Pedagogy of Language Education 2. Pedagogy of Mathematics Education 3. Pedagogy of Science Education 4. Pedagogy of Social Sciences Education	 4
5.	**Discipline Based Core Elective Course -II** **(For M.Ed. students) & Open Elective (Interdisciplinary) course**		

		for the other department *(Any one of the following)*	(04 Credits)	
	MED82DE01504			4
	MED82DE01604	1. Teaching and Research Aptitude		4
	MED82DE01704	2. Comparative Education		4
		3. Vocational and Entrepreneurial skill Education		
		4. Distance Education and Open learning		
	MED82DE01804	5. Education for Sustainable Development		4
	MED82DE01904			4
	Open Elective (Interdisciplinary) course for the other department only (04 Credits)			
6.	MED82OE02004	Environmental Education		4
	Mandatory Elective Non-credit course -II (Any one of the following)			
7.	MED82ME02000	1. Online Course Creation and Management		2
	MED82ME02100	2. Psychological Testing		
	MED82ME02200	3. Teaching Skill and Classroom Management		

Dissertation *[Concerned Faculty Members]*

Semester-III			Total: 20 Credits	
Discipline Based Core Courses			**(12 Credits)**	
1.	MED91DC02304	Inclusive Education		4
2.	MED91DC02404	Technological Foundation of Education		4
3.	MED91DC02504	Internship in Teacher Education Institutions		4
4.	**Discipline Based Core Elective Course -III** *(Any one of the following)*			
	MED91DE02604	1. Internship in Area of Specialization -Language Education		4
	MED91DE02704	2. Internship in Area of Specialization -Mathematics Education		
	MED91DE02804	3. Internship in Area of Specialization - Science Education		
	MED91DE02904	4. Internship in Area of Specialization - Social Science Education		
5.	**Discipline Based Core Elective Course -IV [for M.Ed. students] & Open Elective (Interdisciplinary) course [for the other department]** *(Any one of the following)*			**(04 Credits)**
	MED91DE03004	Environment Education		4
	MED91DE03104	Guidance and Counselling		
	MED91DE03204	Elementary Education		
	MED91DE03304	Secondary Education		
	MED91DE03404	Gender and Education		
	Open (Interdisciplinary) course **[For the students of other departments only]**			**(4 Credits)**
7.	MED91OE03504	Teaching and Research Aptitude		4
	Mandatory Elective Non-credit course -III (Any one of the following)			

8	MED91ME03400	1. Community Service	2
	MED91ME03600	2. Research Tool Construction Skill	
	MED91ME03700	3. Data handling and Analysis Skill	

Dissertation *[Concerned Faculty Members]*

Semester-IV			**Total: 20 Credits**
Discipline Based Core Courses			**(16 Credits)**
1.	MED92DC03804	Teacher Education	4
2.	MED92DC03904	Educational Management, Administration and Leadership	4
3.	MED92DC04004	Dissertation	8
	Open Elective (Interdisciplinary) course		**(4 Credits)**
4		1. To be taken from any other department of CUSB 2. SWAYAM course(s) [recommended/approved by the department]	4
	Mandatory Elective Non-credit course -IV (Any one of the following)		
5.	MED92ME04100	1. Statistical analysis Skill through SPSS	2
	MED92ME04200	2. Research Paper writing Skills	
	MED92ME04300	3. Soft-Skills	

Ph.D. in Education:

School of Education is currently offering Ph.D. in Education.

List of Courses in Coursework of PhD (Education)

Course Code	Course Title	Credit
EDU101DC00104	Research Methodology	4
EDU101DC00204	Tools & Techniques of Research	4
EDU101DC00304	Preparation and presentation of Research Proposal	4
EDU101DC00402	Research and Publication Ethics	2
	Total	**14**

Brief Profile of Faculty Members

	Ravi Kant Professor, Head & Dean MA (Economics & English), M.Ed., Ph.D., UGC- JRF, NET, CIG Specializations: ICT in Education and Educational Technology

	Dr. Mitanjali Sahoo Assistant Professor **Ph.D.** (Education, Utkal University, Odisha) Specializations: Psychology of Education, Educational Measurement and evaluation, Guidance and Counseling, Social Science Education

	Dr. Tarun Kumar Tyagi Assistant Professor Ph.D. (Education, BHU Varanasi) Specializations: Research Methodology and Educational Statistics, Educational Measurement & Evaluation, Mathematical Creativity		**Dr. Rinki** Assistant Professor Ph.D. (Education) Specializations: Secondary School Science Education, Distance Education and Open Learning, Life Skill Education, Use of Multimedia for teaching and learning, Curriculum Reforms, Environmental Education.
	Dr. Nrapendra Vir Singh Assistant Professor Ph. D. (Education, Banaras Hindu University) Specializations: Social Science Education, History Education, Philosophical and Sociological Foundation of Education		**Dr. Pragya Gupta** Assistant Professor Ph.D. (Education, AMU Aligarh) Specializations: Educational Psychology, Inclusive Education
	Dr. Chandra Prabha Pandey Assistant Professor, Ph.D. (Education, BHU Varanasi) Specialization: Citizenship Education and constructvist approach of teaching and learning.		**Dr. Samaresh Bharaty** Assistant Professor M.A., M.Ed., UGC NET-JRF (Education), Ph.D. (Education) & PGDET (Education Technology) Specialization: Pedagogy of social sciences; Pedagogy of Environmental Science (EVS); Pedagogy of Geography; Curriculum and pedagogic studies; Gender studies and Comparative education
	Mr. Kishor Kumar Assistant Professor MSc (Mathematics), M.Ed., UGC- NET, M.Phil (Edu.), PhD (Ongoing) Specializations: Pedagogy of Mathematics		**Md. Mozammil hassan** Assistant Professor M.Ed., M.Phil. Specializations: Educational Measurement and Evaluation, Pedagogy of Science, and Educational Technology
	Dr. Chandan Shrivastava Assistant Professor Ph.D. (Education) Specialization : Teacher Education, Teacher Identity, Curriculum Development, Rural Education, Digital Learning, Early Childhood Education		**Dr. Swati Gupta** Assistant Professor Ph.D. (Education, Aligarh Muslim University) Specilization : Teaching of English, Measurement and Evaluation (Standardization and validation of tools)

Department of Physical Education

The Department of Physical Education, housed within the School of Education, was established in 2020 to address the growing demand for skilled yoga instructors, educators, and researchers in the field of Yoga and Physical Education. With a strong academic foundation, the department offers a One-Year PG Diploma in Yoga, equipping students with deep expertise in traditional yogic sciences, modern wellness approaches, and research methodologies, enabling them to become highly competent practitioners, instructors, and scholars.

In addition to this, the department runs a Ph.D. (Physical Education) program and a Master's degree in Physical Education, fostering cutting-edge research and producing innovative professionals who are adept in both theoretical

insights and practical applications. Keeping pace with the evolving landscape of fitness, sports science, and holistic health, the academic curriculum is regularly updated, ensuring that students engage with the latest pedagogical techniques, scientific advancements, and global best practices in Physical Education and Yoga studies.

To provide hands-on learning experiences, the department is richly equipped with qualified faculty, state-of-the-art infrastructure, modern training facilities, and research labs. With an emphasis on holistic development, students undergo rigorous training in scientific fitness techniques, therapeutic yoga applications, biomechanics, sports psychology, and wellness coaching—ensuring they graduate as leaders in health and fitness education. The department aspires to be a pioneering center for Yoga and Physical Education studies in India, producing visionary educators, therapists, researchers, and policy-makers who contribute meaningfully to the worldwide movement toward health and well-being.

To further amplify its impact, the department actively organizes workshops, seminars, and interdisciplinary collaborations, inviting renowned experts and global practitioners to enrich students' perspectives. With its commitment to excellence, it stands poised to shape the future of yoga, sports science, and physical education, advancing knowledge, research, and professional training for the next generation of leaders in these fields.

M.P.Ed.

The Master of Physical Education (M.P.Ed.) two years (Four Semesters, Choice Based Credit System) programme is a professional programme meant for preparing Physical Education Teachers for senior secondary (Class XI and XII) level as well as Assistant Professor/Directors/Sports Officers in Colleges/Universities and teacher educators in College of Physical Education.

The M.P.Ed. programme is designed to integrate the study of childhood, social context of Physical Education, subject knowledge, pedagogical knowledge, aim of Physical Education and communication skills. The programme comprise of compulsory and optional theory as well as practical courses and compulsory school internship in School/ College/Sports Organizations/Sports Academy/Sports Club.

Course Code	Course Title	Credits
PHE81DC00103	Research Process in Physical Education & Sports Sciences	3
PHE81DC00203	Physiology of Exercises	3
PHE81DC00303	Yogic Sciences	3
PHE81DE00403/ PHE81DE00503	Test, Measurement and Evaluation in Physical Education *OR* Value and Environmental Education (Elective)	3
PHE81DC00603	Track and Field, I: Sprint, middle and long distance running, long jump, high jump (performance in any one from running + two jumping events)	3
PHE81DC00703	Games Specialization -I (second best) (Individuals skills, game situation, officiating, lead-up games)	3
PHE81DC00803	Yoga Performance in Asanas, Kriyas, Bandhas and Pranayama	3
PHE81DC00903	Class room teaching lessons	3
PHE82DC01003	Applied Statistics in Physical Education & Sports	3

PHE82DC01103	Sports Biomechanics & Kinesiology	**3**
PHE82DC01203	Athletic care and Rehabilitation	**3**
PHE82DC01303/ **PHE82DE01403**	Sports Management and Curriculum Designs in Physical Education or Sports technology (elective)-any one	**3**
PHE82DC01503	Track and Field, II: Shot Put, Discus throw, Javelin throw, long jump, high jump, triple (performance in any two events)	**3**
PHE82DC01603	Games Specialization -II (second best) (Individuals skills, game situation, officiating, lead-up games)	**3**
PHE82DC01703	Teaching lessons of track and field	**3**
PHE82DC01803	Teaching lessons of Game Specializations	**3**
PHE91DC01903	Scientific Principles of sports training (Lab. Practical's- treadmill, bicycle ergometer, strength, endurance and fitness testing)- internal	**3**
PHE91DC02003	Sports medicine (lab practical)-internal	**3**
PHE91DC02103	Health education and sports nutrition	**3**
PHE91DE02203/ **PHE91DE02303/**	Physical fitness and wellness (elective) Or Educational technology in physical education	**3**
PHE91DC02403	Track and field III: relay, shot put, javelin throw, discuss throw, triple jump, pole vault (performance in any two events)	**3**
PHE91DC02503	Games specialization-III (first best) Individual skills, game situation, officiating, lead up games)	**3**
PHE91DC02603	Officiating lessons of track and field; game specialization	**3**
PHE91DC02703	Internship	**3**
PHE92DC02803	Information and communication technology (ICT) in physical education	**3**
PHE92DC02903	Sports psychology	**3**
PHE92DC03003	Dissertation	**3**

PHE92DE03103/ **PHE92DE03203**	Sports journalism and mass media or Sport engineering (elective).	**3**
PHE92DC03303	Track and field IV: javelin throw, hammer throw, hurdles (performance in any two events)	**3**
PHE92DC03403	Games specialization-IV (first best) (individual skills, game situation, officiating, lead-up games)	**3**
PHE92DC03503	Coaching lessons of track and field	**3**
PHE92DC03603	Coaching lessons of game specialization	**3**
	Total	**98**

Ph.D. in Physical Education

The Ph.D. programme in Physical education offers to the student option to choose their topics from any of the following areas of research:

Sports psychology, yoga, sports sociology, health education, sports biomechanics, sports management, sports technology and others.

Course Code	Course Title	Credits
PHE10DC00104	Research Methodology	4
PHE10DC00204	Tool and Techniques of Research	4
PHE10DC00304	Preparation and presentation of Research Proposal	4
PHE10DC00402	Research and Publication Ethics	2
	Total Credits	**14**

Brief Profile of Faculty Members

	Dr. Ashish Kumar Singh Professor *Specialization*: Volleyball		**Dr. Usha Tiwari** Professor and Head *Specialization*: Exercise Physiology, Health Education, Sports Psychology and Hockey

	Dr. Rahul Singh Assistant Professor Specialization**:** *Science of Sports Training, Health Education and Sports Nutrition, Basketball*		**Dr. Gaurav Kumar Singh** Assistant Professor *Specialization:* Basketball
	Dr. Pintu Lal Mondal **Assistant Professor** **Specialization:** Yoga		**Ms. R.L. Udrishna Deori Assistant Professor** **Specialization:**

SCHOOL OF HEALTH SCIENCE

Department of Pharmacy

The Department of Pharmacy, housed within the School of Health Sciences, is a key pillar of the university, committed to advancing pharmaceutical sciences through cutting-edge research, interdisciplinary learning, and academic excellence. With a team of dynamic faculty members, the department actively contributes to knowledge creation and dissemination, shaping the future of Pharmaceutics and Pharmacology, two central branches of applied medical science.

Pharmacy plays a critical role in addressing society's most pressing health challenges, including communicable and non-communicable diseases, as well as the development of advanced pharmaceutical formulations aimed at improving patient compliance and therapeutic outcomes. Embracing a multidisciplinary and interdisciplinary approach, the department fosters a culture of innovation and excellence, ensuring that students and researchers engage with the latest advancements in drug development, healthcare technology, and therapeutic sciences.

In a significant stride toward academic growth, the department launched its M. Pharm. (Pharmaceutics) and M. Pharm. (Pharmacology) programs in the 2020-21 academic session, providing students with specialized training in pharmaceutical research, drug formulation, and clinical applications. To support high-impact research and practical expertise, the department boasts state-of-the-art facilities for drug analysis and screening, equipped with sophisticated instruments housed in the Central Instrument Facility.

The department's research landscape is enriched by renowned faculty members specializing in Synthetic Chemistry, Natural Products Chemistry, Novel Drug Delivery Systems, Molecular Pharmacology, Formulation Sciences, and Computer-Aided Drug Design, offering students unparalleled exposure to cutting-edge pharmaceutical innovations. To strengthen its research-driven mission, the department introduced a Ph.D. program from the 2020-21 academic session, further solidifying its commitment to producing globally competent pharmacy professionals capable of solving the nation's healthcare challenges.

With its vision set on scaling greater heights, the Department of Pharmacy aims to emerge as a pioneering center for pharmaceutical education and research, contributing to medical advancements, healthcare solutions, and global well-being.

2 Year Diploma in Pharmacy Subject

D.Pharm Course Structure – Part I

S. No.	Course Code	Name of the Course	Total Theory / Practical Hours	Total Tutorial Hours	Theory / Practical Hours per Week	Tutorial Hours per Week
1.	ER20-11T	Pharmaceutics — Theory	75	25	3	1
2.	ER20-11P	Pharmaceutics — Practical	75	-	3	-
3.	ER20-12T	Pharmaceutical Chemistry – Theory	75	25	3	1
4.	ER20-12P	Pharmaceutical Chemistry — Practical	75	-	3	-

S.No.	Course Code	Name of the Course	Total Theory / Practical Hours	Total Tutorial Hours	Theory / Practical Hours per Week	Tutorial Hours per Week
5.	ER20-13T	Pharmacognosy — Theory	75	25	3	1
6.	ER20-13P	Pharmacognosy — Practical	75	-	3	-
7.	ER20-14T	Human Anatomy & Physiology — Theory	75	25	3	1
8.	ER20-14P	Human Anatomy & Physiology – Practical	75	-	3	-
9.	ER20-15T	Social Pharmacy – Theory	75	25	3	1
10.	ER20-15P	Social Pharmacy – Practical	75	-	3	-

D.Pharm Course Structure – Part II

S.No.	Course Code	Name of the Course	Total Theory / Practical Hours	Total Tutorial Hours	Theory / Practical Hours per Week	Tutorial Hours per Week
1.	ER20-21T	Pharmacology — Theory	75	25	3	1
2.	ER20-21P	Pharmacology — Practical	50	-	2	-
3.	ER20-22T	Community Pharmacy & Management — Theory	75	25	3	1
4.	ER20-22P	Community Pharmacy & Management — Practical	75	-	3	-
5.	ER20-23T	Biochemistry & Clinical Pathology – Theory	75	25	3	1
6.	ER20-23P	Biochemistry & Clinical Pathology – Practical	50	-	2	-
7.	ER20-24T	Pharmacotherapeutics — Theory	75	25	3	1

8.	ER20-24P	Pharmacotherapeutics — Practical	25	-	1	-
9.	ER20-25T	Hospital & Clinical Pharmacy – Theory	75	25	3	1
10.	ER20-25P	Hospital & Clinical Pharmacy – Practical	25	-	1	-
11.	ER20-26T	Pharmacy Law & Ethics	75	25	3	1

M. Pharm. in Pharmacology (MPL)

First Year
Semester I &II
Table 1: Course of study for M. Pharm. (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPL 101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL 102T	Advanced Pharmacology-I	4	4	4	100
MPL 103T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL 104T	Cellular and Molecular Pharmacology	4	4	4	100
MPL 105P	Pharmacology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
Semester II					
MPL 201T	Advanced Pharmacology II	4	4	4	100
MPL 202T	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPL 203T	Principles of Drug Discovery	4	4	4	100
MPL 204T	Experimental Pharmacology practical- II	4	4	4	100
MPL 205P	Pharmacology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650

Total Credits: Semester I&II–26 Credits each
The guide will be chosen based on mutual consent of the student and faculty member. After selection of the research guide the student will formulate his/her Seminar topic (MPL 106 & MPL 206).

Second Year
Semester III: Course of study for M. Pharm. III Semester

Course Code	Course	Credit Hours	Credit Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
	Total	35	21

Total Credits: Semester III–21 Credits

Semester IV: Course of study for M. Pharm. IV Semester

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
	Total	35	20

Total Credits: Semester IV–20 Credits

Total Credits:

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

M. Pharm in Pharmaceutics (MPH) Programme

First Year

Semester I

Table 1: Course of study for M. Pharm. (Pharmaceutics)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
	Semester I				
MPH101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPH102T	Drug Delivery System	4	4	4	100
MPH103T	Modern Pharmaceutics	4	4	4	100
MPH104T	Regulatory Affair	4	4	4	100
MPH105P	Pharmaceutics Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650
	Semester II				
MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPH203T	Computer Aided Drug Delivery System	4	4	4	100
MPH204T	Cosmetic and Cosmeceuticals	4	4	4	100
MPH205P	Pharmaceutics Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
	Total	35	26	35	650

Total Credits: Semester I & II –26 Credits each

The guide will be chosen based on mutual consent of the student and faculty member. After selection of the research guide the student will formulate his/her Seminar topic (MPH 106 & 206).

Second Year

Semester III: Course of study for M. Pharm. III Semester

Course Code	Course	Credit Hours	Credit Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
	Total	35	21

Total Credits: Semester III–21 Credits

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
	Total	35	20

Total Credits: Semester IV–20 Credits

Semester IV: Course of study for M. Pharm. IV Semester

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

Total Credits: Semester I- IV–95 Credits

*Credit Points for Co-curricular Activities

Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points Eligible / Activity
Participation in National Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02

Ph.D. in Pharmacy

The faculty members of the department are actively engaged in cutting-edge research at the forefront of pharmaceutical sciences, driving innovation and scientific discovery. The introduction of the Ph.D. program in the 2020-21 academic session will further strengthen and institutionalize a culture of advanced research, fostering an environment where pioneering ideas take shape.

The department adopts a comprehensive inter- and intra-disciplinary approach, offering diverse and impactful research opportunities. These include nano-pharmaceutics, targeted drug delivery systems, molecular signaling studies, and therapeutic research with a special focus on Breast Cancer, Liver Cancer, Cancer Immunology, Alzheimer's Disease, Parkinson's Disease, and Hypertension. Recognizing the value of collaborative research, the department is committed to establishing inter-institutional links and partnerships with renowned laboratories and universities, further enriching the Ph.D. program's scope and enabling scholars to work on high-impact studies.

Students enrolled in the program will gain valuable hands-on experience, utilizing state-of-the-art instruments within the department as well as in collaborating laboratories and universities, ensuring they develop cutting-edge expertise in pharmaceutical sciences. The ultimate vision of the department is to cultivate globally competent pharmacy professionals equipped with the critical thinking, research acumen, and innovative problem-solving skills necessary to tackle major health challenges and contribute meaningfully to the advancement of medical science.

Course Structure of Ph.D. Programme

(Minimum Core = 12)

Course Code	Course Title	Theory/Practical (Hrs/Week)	Total Marks	Credit
PHP 901	Research Methodology	2	50	2
PHP 902(A) / PHP 902(B)	Recent Advances in Pharmacology OR Recent Advances sin Pharmaceutics	4	100	4
PHP 903	Research Proposal Preparation and Seminar Presentation	4	100	4
PHP 904	Research and Publication Ethics	2	50	2

Brief Profile of Faculty Members

	Prof. Subrat Kr. Bhattamisra Professor & Dean Specialization : Pharmacology		**Dr. Vivek Dave** Professor and Head **Specialization:** Pharmaceutics
	Dr. Shakti P. Pattanayak, Associate Professor **Specialization:** Pharmacology		**Dr. Dhananjay Kumar Singh,** Assistant Professor **Specialization:** Pharmacology

	Dr. Arun Kumar, Assistant Professor **Specialization:** Pharmaceutics		**Dr. Bibhash Chandra Mohanta,** Assistant Professor **Specialization:** Pharmaceutics
	Dr. Gireesh Kumar Singh, Assistant Professor **Specialization:** Pharmacology		

SCHOOL OF HUMAN SCIENCES

The School of Human Sciences is dedicated to the comprehensive study of human beings as social, cultural, and biological entities, exploring their experiences, activities, constructs, and artifacts. Recognizing that human nature transcends disciplinary boundaries, the school embraces an interdisciplinary approach, integrating diverse perspectives to deepen the understanding of human existence.

With a mission to advance quality education and research, the school seeks to unravel the complexities of human nature while addressing the challenges faced by humanity. Disciplines such as Anthropology, Psychology, Social Work, and other Social Sciences actively engage in collaborative research, contributing to a knowledge system that drives the development of mankind.

At the heart of its academic pursuit is the creation of advanced scientific knowledge in Human Sciences through pioneering research. In alignment with this vision, the Department of Psychological Science has been established under the School of Human Sciences, further enriching the academic framework and expanding opportunities for transformative exploration in the field.

Department of Psychological Sciences

With a vision to spread and create world class knowledge in the field of Psychology, the Department of Psychological Sciences (DPSYS) recognizes the immense potential of Psychology and its utility in improving quality of life of individuals and society. The mission of the Centre is to educate and train psychologists who can serve the humanity. It is presently offering Master's and PhD programmes in Psychology.

Psychology Laboratory

The existing Psychology laboratory provides three kinds of facilities- conducting experiments, psychological testing and qualitative research. The laboratory also enables students to carry out computer-based experiments and lab experiments on psychosocial phenomenon. The laboratory contains numerous psychological tests such as neuropsychological tests/batteries, personality tests, intelligence tests, adjustment scales and many other important scales. The psychology lab is equipped with software such as SPSS, R and QDA to carryout analysis of the research.

5 Year Integrated UG-PG in Psychology

Vision of the Program:

To impart quality knowledge about psychology, enhance research orientation, updating skills and cultivating values and ethics among students.

Objectives/Goals of the Program:

The Department offers a Five-Year Integrated UG-PG Program in Psychology, spanning 10 semesters with multiple entry and exit options. The curriculum is meticulously designed to provide students with a strong foundation in theoretical, methodological, and contemporary aspects of Psychology.

This program equips students with knowledge, skills, and values, shaping them into competent professional psychologists. Throughout the course, students engage in interactive classroom teaching, laboratory training, and field visits to mental health centers and allied organizations, gaining practical exposure to real-world psychological applications.

The program also focuses on scientific inquiry into human mind and behavior, imparting fundamental psychological concepts, research methods, and an understanding of challenges in applied settings. Additionally, it fosters critical thinking and professional skill development, enabling students to pursue careers, contribute to community well-being, and promote social harmony.

To enrich learning, the department hosts expert lectures, providing insights from distinguished professionals. Students can specialize in Clinical Psychology, Health Psychology, Organizational Behavior, and Social Psychology. The dissertation/project work offers hands-on research experience, allowing students to excel in their chosen areas of expertise.

Program outcomes:

The prime outcomes of Five - year Integrated UG- PG programme in Psychology are as follows:

- To create a strong research oriented theoretical and practical foundations in consonance with recent advances in the psychology.
- To promote healthy interface between academia and society
- To cultivate human values, ethics and positive life skill in the students
- To familiarize the students with rich system of psychology in Indian knowledge system.

Program learning specific outcomes: The learning outcomes that a student should be able to demonstrate on completion of this programme are as follows:
Academic and professional competencies:

- Students would get scientific knowledge about basic human nature and methods of psychology.
- Basic professional skills pertaining to psychological testing, assessment, research, psychological intervention and counselling processes
- This academic training enables the students to work in a broad range of settings such as, medical, organization, counselling centers, NGOs, researchers and academicians. They would develop ability to use learned skills in specific areas.
- Employ skills and competencies required for practicing as a clinical psychologist
- Conduct research in the area of clinical psychology/ Counselling Psychology relevant to practice needs and to take step to understand and provide solution of the social-personal problems.

Personal and Behavioral competencies:

- Some of the courses of this programme would help the students in developing positive attributes in self and equipped them with skills of self-monitoring.
- Students would develop cultural sensitivity especially our enriched Indian traditions, values etc.

Social Competencies:

- Have an adequate grasp of the ethical standards of the profession and apply them in their practice.
- Developing commitment to health and well-being at different levels (Personal, Group, Community)
- Course under this programme also help the students to understand some current social problems from the psychological perspective and provide some solution also.

Eligibility Criteria:

The eligibility conditions for admission into **Five-Year Integrated UG-PG Program in Psychology** degree program shall as follows:

10+2 or equivalent examination in any stream from any recognized Board/ University with at least 50% marks for General/OBC and 45% marks for SC / ST/PWD candidate.

However, the eligibility conditions for admission into **Five - Year Integrated UG-PG Program in Psychology** and intake of the program shall be directed by the University Admission, Teaching and Evaluation Committee (UATEC) from time to time.

Multiple exist and entry criteria is as per the ordinance Governing Five Year Integrated UG-PG Programme: Science, Arts and Commerce-2024" or its revision which will occur time to time.

Different levels of Multiple Entry and Exist System and its credits requirements:

S.No.	Entry Points	Basic Eligibility	Mode of entrance
1	Semester -I	10+2 or equivalent examination in any stream from any recognized Board/ University with at least 50% marks for General/OBC and 45% marks for SC / ST/PWD candidate.	Common Entrance Test organized by University or any recognized body
2	Semester-III	40 credits with a UG certificate	Counselling- Cum- interaction comprising 100 marks
3	Semester-V	80 Credits with a two Year UG Diploma	Counselling- Cum- interaction comprising 100 marks
4	Semester-VII	120 Credits with a Degree of Bachelor in Arts/ Science	Counselling- Cum- interaction comprising 100 marks
5	Semester-IX	160 Credits with a Degree of Bachelor in Arts/ Science with Research	Counselling- Cum- interaction comprising 100 marks

Intake: As per the decision of University (CUSB, Gaya)

Award of the degree after this completion of the program/ Award of the certificate/ Diploma/Degree along with multiple exist options:

SN	Exit Points	Prerequisites	Qualification title	NHEQF level
1	After completion of Semesters 1 & 2	Earning of 40 credits along with an exist 4 credit skill enhancement courses	UG certificate in Psychology with specialization in (Specific Skill)	Level 4.5
2	After completion of semesters 1,2,3&4	Earning of 80 credits along with an exist 4 credit skill enhancement courses	UG Diploma in Psychology with specialization in **(Psychological Issues and First Aid)**	Level 5

3	After completion of semesters 1-6	Earning of 120 credits	**B.A./B.Sc. In Psychology***	Level 5.5
4	After completion of semesters 1-8	Earning of 160 credits	B.A./B.Sc. In Psychology with Honours/ Research*	Level 6
5	After completion of semesters 1-10	Earning of 200 credits	**M.A./M.Sc. (Integrated) in Psychology**	Level 6.5
6	After completion of semesters 7,8,9,10	80 credits	Two Year M.A./M.Sc. in Psychology**	Level 6.5
7	After completion of semesters 7 &8	40 credits	PG Diploma in Psychology	Level 6
8	After completion of semesters 9 & 10	48 credits	One year Master Degree in Psychology**	Level 6.5

***Student shall receive degrees in such streams Science or Arts in which s/he earns credits more than 50 % out of total credits to be earned in minor subjects opted by him or her.

** Student shall receive degrees in such streams Science or Arts in which s/he earns credits more than 50 % out of total credits to be earned in minor subjects opted by him or her or at entry level having degree in Arts or Science whichever is applicable

Course Structure

SEMESTER-I

Semester	Nature of the Course	Credits	Course Title	Credits
	Major	**PSY51MJ00104**	**Introduction to Psychology**	**4**
I	**Minor***			**4**
	Multi-Disciplinary			**3**
	Ability Enhancement Course (AEC)*			**2**
	Skill Enhancement Course (SEC)			**3**

	Value Added Course (VAC) I & II			**2**
				2
			Total Credits	
			20	

Skill enhancement courses (Basket)			
Opt any one from the basket			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY51SE00203	Emotional Intelligence	3	
PSY51SE00303	Coping & Stress Management	3	

Value Added courses (Basket)			
Opt any two from the basket			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY51VA00402	Science of Happiness	2	
PSY51VA00502	Indian Knowledge System & Psychology	2	
PSY51VA00602	Psycho Social Rehabilitation	2	
Multi-disciplinary courses (Basket)			
Opt any one from the basket			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY51MD00703	Youth and Mental health	3	
PSY51MD00803	Youth Gender and Identity	3	

Minor (Offered for other Department)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY51MJ00104	**Introduction to Psychology**	4	

SEMESTER-II

Semester	Nature of the Course	Course Code	Course Title	Credits
II	**Major**	**PSY52MJ00904**	**Biopsychology**	**4**
	Minor*			**4**
	Multi-Disciplinary			**3**
	Ability Enhancement Course (AEC)			**2**
	Skill Enhancement Course (SEC)			**3**
	Value Added Course (VAC) **III & IV**			**2**
				2
Total Credit				**20**
Exit with UG certificate				
Summer Vacation (8 weeks)	**Exit 4 credit skills enhancement course :Summer internship/ Fieldwork**			
Grand Total (Semester I & II)				**40**

The students on exit shall be awarded Undergraduate Certificate (in the Field of Study/Discipline) after securing the requisite 40 Credits in Semester 1 and 2 provided he/she should earn additional 4 credits through Summer Internship/ Fieldwork.

EXIT WITH UNDERGRADUATE CERTIFICATE IN PSYCHOLOGY

Skill enhancement courses (Basket)			
Course Code	**Course Title**	**Credit**	**Opt in**

Course Code	Course Title	Credit	Opt in
PSY52SE01003	Effective Decision Making	3	
PSY52SE01103	Counselling skills for Psychological Intervention	3	

Value Added courses (Basket)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY52VA01202	Yoga, Health and Mental Well Being	2	
PSY52VA01302	Neuropsychological Rehabilitation	2	
PSY52VA01402	Mental Health as Human Right	2	
PSY52VA01502	Indian Psychology	2	

Multi-disciplinary courses (Basket)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY52MD01603	Psychology for Health and Well Being	3	
PSY52MD01703	Psychology at work	3	
PSY52MD01803	Inter Group Relation	3	

Minor (Offered for other Department)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY52MJ00904	Biopsychology		

SEMESTER-III

Semester	Nature of the Course	Course Code	Course Title	Credits
III	Major	PSY61MJ01904	Social psychology	4
		PSY61MJ02004	Statistical Methods for Psychological Research	4

		Minor*			**4**
		Multi-Disciplinary			**3**
		Ability Enhancement Course (AEC)			**2**
		Skill Enhancement Course (SEC)			**3**
		Total Credit			**20**

Skill enhancement courses (Basket)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY61SE02103	Life Skills	3	
PSY61SE02203	Sports and Exercise Psychology	3	

Multi-disciplinary courses (Basket)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY61MD02303	Cyber bullying	3	
PSY61MD02403	Psychology of Human Development	3	
		3	

Minor (Offered for other Department)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY61MJ01904	**Social psychology**	4	
PSY61MJ02004	**Statistical Methods for Psychological Research**	4	

SEMESTER-IV

Semester	Nature of the Course	Course Code	Course Title	Credits
IV	Major	PSY62MJ02504	Introduction to Psychological Research Methods	4
		PSY62MJ02604	System and School of Psychology	4
		PSY62MJ02704	Psychological Disorders and Therapy	4
		PSY62MJ02802	Practicum	2
	Minor*			4
	Ability Enhancement Course (AEC)			2
Total Credit				20
Exit with UG Diploma				
Summer Vacation (8 weeks)	Exit 4 credit skills enhancement course: Summer internship/ Fieldwork			
Grand Total (Semester I, II, III and IV)				80 credits

The students on exit shall be awarded Undergraduate Diploma (in the Field of Study/Discipline) after securing the requisite 80 Credits on completion of Semester IV provided they he/she should earn additional 4 credits through Summer Internship/ Fieldwork offered during First Year or Second Year summer term.

EXIT WITH DIPLOMA IN PSYCHOLOGY with specialization in Psychological Issues and First Aid

Minor (Offered for other Department)			
Course Code	Course Title	Credit	Opt in

		PSY62MJ02604	System and School of Psychology	4	
		PSY62MJ02704	Psychological Disorders and Therapy	4	
		PSY62MJ02504	Introduction to Psychological Research Methods	4	

SEMESTER-V

Semester	Nature of the Course	Course Code	Course Title	Credits
V	Major	PSY71MJ02904	Clinical psychology	4
		PSY71MJ03004	Life Span Development	4
		PSY71MJ03104	Industrial and Organizational Psychology	4
		PSY71MJ03202	Psychodiagnostic	2
	Minor			4
	Internship#	PSY71MJ03302		2
Total Credit				20

Minor (Offered for other Department)			
Course Code	Course Title	Credit	Opt in
PSY71MJ02904	Clinical psychology	4	
PSY71MJ03004	Life Span Development	4	
PSY71MJ03104	Industrial and Organizational Psychology	4	

#Students may go for internship in offline / online mode. In online mode it may be workshop or hand on training program of one week/ two weeks.

Semester	Nature of the Course	Course Code	Course Title	Credits
VI	Major	PSY72MJ03404	Guidance and Counselling	4
		PSY72MJ03504	Applied Psychology	4
		PSY72MJ03604	Advanced Research methodology & Design	4
		PSY72MJ03704	Educational Psychology	4
	Minor			4
Total Credit				20
Grand Total (Semester I, II, III and IV, V and VI)				120
The students on Exit shall be awarded with Bachelor Degree				
Exit with Bachelor Degree in Psychology (B.A./ B.Sc in Psychology)				

*A student shall be eligible for the award of Bachelor Degree in Psychology after successful completion of 120 credits from semester 1 to semester 6. No summer internship or Fieldwork of additional 4 credits will be required to achieve this award (ordinance page no 19).

Minor (Offered for other Department)			
Course Code	Course Title	Credit	Opt in
PSY72MJ03404	Guidance and Counselling	4	
PSY72MJ03504	Applied Psychology	4	
PSY72MJ03704	Educational Psychology	4	

SEMESTER-VII

Semester	Nature of the Course	Course Code	Course Title	Credits
VII	Major	PSY81MJ03804	Neuropsychology	4
		PSY81MJ03904	Advanced Cognitive Psychology	4
		PSY81MJ04004	Psychological Assessment	4
		PSY81MJ04104	Quantitative Methods of Data Analysis	4
	Minor/ OEIC			4
Total Credit				20

Minor (Offered for other Department)			
Course Code	Course Title	Credit	Opt in
PSY81MJ03804	Neuropsychology	4	
PSY81MJ03904	Advanced Cognitive Psychology	4	
PSY81MJ04004	Psychological Assessment	4	
PSY81MJ04104	Quantitative Methods of Data Analysis	4	

SEMESTER-VIII

Semester	Nature of the Course	Course Code	Course Title	Credits
VIII	Major	PSY82MJ04204	Advanced Social Psychology	4
		Select either three theory of 4 credits each or either select Research projects of 12 credits		
		PSY82MJ04304	Positive Psychology	

112

		PSY82MJ04404	Motivation and Emotion	12 (4 credits each)
		PSY82MJ04504	Self and Personality	

Minor (Offered for other Department)			
Course Code	Course Title	Credit	Opt in
PSY82MJ04204	Advanced Social Psychology	4	
PSY82MJ04304	Positive Psychology	4	
PSY82MJ04404	Motivation and Emotion	4	
PSY82MJ04504	Self and Personality	4	

			PSY82MJ04612	Research Project	12
		Minor/OEIC*			4
Total Credit					20
Grand Total (Semester I - VIII)					160
The students on exit shall be awarded Bachelor of (in the Field of Study/Discipline) with Honours/ Research (4 years) after securing the requisite 160 Credits on completion of Semester 8.					
Exit with Degree of B.A./B.Sc in Psychology with Honours/ Research					

*Students entered in two-year PG programme will not allowed to choose project in this semester.

SEMESTER-IX

Semester	Nature of the Course	Course Code	Course Title	Credits

				4
IX	**Major**			4
				4
				4
				4
		**Select either all theory courses of 4 credits each or either select Research projects of 20 credits**	20
		PSY91MJ05320	**Research project: 1 ***	20
**Total Credit**		**20**
Exit with Post Graduate Diploma in Psychology		

(Research in IX semester is only for those students who want to earn 40 credits from the Research Project)

* Research project in this semester will be carried out in the university.

Basket			
Opt any five from the basket
Course Code	**Course Title**	**Credit**	**Opt in**
PSY91MJ04704	Advanced Psychopathology	4	
PSY91MJ04804	Counselling skills	4	
PSY91MJ04904	Qualitative Methods of Data Analysis	4	
PSY91MJ05004	Human Resource Management	4	
PSY91MJ05104	Health Psychology :Theory and Practice	4	
PSY91MJ05204	Media Psychology	4	
	SWAYAM	4	

Minor (Offered for other Department)/ OEIC

Course Code	Course Title	Credit	Opt in
PSY91MJ04704	Advanced Psychopathology	4	
PSY91MJ04804	Counselling skills	4	
PSY91MJ04904	Qualitative Methods of Data Analysis	4	
PSY91MJ05004	Human Resource Management	4	
PSY91MJ05104	Health Psychology :Theory and Practice	4	
PSY91MJ05204	Media Psychology	4	

SEMESTER-X

	Semester	Nature of the Course	Course Code	Course Title	Credits
					4
					4
	X	**Major**			**4**
					4
					4
			Select either all theory courses of 4 credits each or either select Research projects of 20 credits		
			PSY92MJ06120	**Research project-II***	**20**

List of courses in M.A./MSc. In Psychology

SEMESTER-I

Course Code	Course Title	Credits
DBCC	**Discipline Based Core Courses**	
PSY81DC00104	Cognitive and Affective Processes	4
PSY81DC00204	Quantitative Methods of Data Analysis	4
PSY81DC00304	Biological Bases of Behaviour	4
PSY81DC00404	Social Psychological Perspective	4
	Open Elective interdisciplinary in nature-1 (OEIC-1)*	4
	One Mandatory elective non-Credit Course-1 (MENC-1) from the MENC Basket-1#	
		Total = 20

*Any one paper offered by other department of the School of Social Sciences or any other allied Departments /Schools as open electives course. The course code will depend on the course opted by the student from concerned department or any one paper/course offered by SWAYAM/MOOCs.

MENC Basket - I#			
Mandatory Elective Non-Credit Course (MENC#)			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY81ME00500	Stress Management	Non-Credit (Equivalent to **2 credit**)	**Ist Sem**
PSY81ME00600	Science of Happiness and Well-Being	Non-Credit (Equivalent to **2 credit**)	**1st Sem**

SEMESTER II

Course Code	Course Title	Credits
DBCC	**Discipline Based Core Courses**	
PSY82DC00704	**Indian Knowledge System in psychological perspectives**	4
PSY82DC00804	**Research methodology and Ethical Issues**	4
PSY82DC00904	Psychological Assessment	4
PSY82DC01004	**Counselling Skills**	4
	Discipline Based Core Elective-1 **(DBCE-1)**** any one paper to be chosen from the Elective **Basket of DBCE-1)**	4
	One Mandatory elective non-Credit Course-II (MENC-II) from the MENC **Basket-II#**	
		Total = 20

DBCE Elective Basket - I**			
Discipline Based Core Elective Course (DBCE-1*) opt any one from the basket			
Course Code	**Course Title**	**Credit**	**Opt in**

PSY82DE01104	Psychopathology	4	
PSY82DE01204	Community Psychology	4	2nd SEM
PSY82DE01304	HRM (Human Resource Management)	4	

MENC Basket – II#

Mandatory Elective Non-Credit Course (MENC-II#)

Course Code	Course Title	Credit	Opt in
PSY82ME01400	Yoga, Health and Mental Well Being	Non-Credit (Equivalent to **2 credits**)	2nd Sem
PSY82ME01500	Life Skills	Non-Credit (Equivalent to **2 credits**)	2nd Sem

<div style="background-color:orange">

Post-Graduate Diploma in Psychology

</div>

[Semester I + II]

In accordance with the NEP-2020 and recommendation from CUSB NEP-2020 Task Force, Department of Psychological Sciences is going to offer Post-Graduate Diploma in Psychology from the next academic session 2022-23. The students who will complete Semester-I and Semester- II and may want to exit after completion of 1 (one) year for whatsoever reason, they may be awarded Post-Graduate Diploma in Psychology and the curriculum has been designed accordingly.

SEMESTER III

Course Code	Course Title	Credits
DBCC	**Discipline Based Core Courses**	
PSY91DC01604	Dissertation: Preparation of Research Proposal#	4
PSY92DC01704	Internship /Field Visit	4
	Discipline Based Core Elective-II (DBCE-II)** any one paper to be chosen from the Elective *Basket of DBCE-II)*	4
	Discipline Based Core Elective-III (DBCE-III)** any one paper to be chosen from the Elective *Basket of DBCE-II)*	4
	Open Elective interdisciplinary in nature-II (OEIC-II)*	4
		Total =20

DBCE Elective Basket – II**

Discipline Based Core Elective Course (DBCE-II& III) opt any two from the Basket

Course Code	Course Title	Credit	Opt in
PSY91DE01804	Clinical Assessment	4	
PSY91DE01904	Neuropsychology	4	
PSY91DE02004	Self and Personality	4	3rd SEM
PSY91DE02104	Rehabilitation Psychology	4	

PSY91DE02204	Organization Behaviour in Indian Context	4	

Any one paper offered by other department of the School of Social Sciences or any other allied Departments /Schools as open electives course. The course code will depend on the course opted by the student from concerned department.

 # Dissertation is of 4 credits in semester III, dissertation continues in semester IV also as Discipline Based Core paper of 8 credits (4 credits + 8 credits= 12 credits)

SEMESTER IV

Course Code	Course Title	Credits
DBCC	**Discipline Based Core Courses**	
PSY92DC02304	Qualitative Method of Data Analysis	4
PSY92DC02404	**Dissertation: Report Submission and Viva Voce##**	8
	Discipline Based Core Elective-IV (DBCE-IV)** any one paper to be chosen from the Elective Basket of DBCE-III)	4
	Discipline Based Core Elective-V (DBCE-V)** any one paper to be chosen from the Elective Basket of DBCE-III)	4
		Total = 20

##Dissertation will continue from III semester but in semester IV it is equivalent to 8 credits.

DBCE Elective Basket – III			
Discipline Based Core Elective Course (DBCE-III**) opt any two from the Basket			
Course Code	**Course Title**	**Credit**	**Opt in**
PSY92DE02504	Health psychology	4	4th SEM
PSY92DE02604	Positive Psychology	4	
PSY92DE02704	Psychotherapy	4	
PSY92DE02804	Coaching and mentoring at workplace	4	
PSY92DE02904	Forensic Psychology	4	

OPEN Elective Interdisciplinary Course Basket (OEIC)

Course Code	**Course Title**	**Credit**	**Opt in**
	Cognitive and Affective Processes	4	I Semester
	Social Psychological Perspectives	4	
	Research Methodology and Ethical Issues	4	II Semester
	Indian knowledge System in Psychological Perspectives	4	
	Self and Personality	4	III

	Rehabilitation Psychology	4	Semester
	Coaching and mentoring at Workplace	4	IV Semester
	Positive Psychology	4	

Ph.D. in Psychology and Clinical Psychology

Department of Psychological Sciences is currently offering Ph.D. in Psychology and Clinical Psychology.

List of Courses in PhD. Psychology and Clinical Psychology

Course Code	Course Title	Credit
PSY10100104	Research Methodology	4
PSY10100204	Tools & Techniques of Research	4
PSY10100304	Preparation and presentation of Research Proposal	4
PSY10100402	Research and Publication Ethics (RPE)	2
		14

Brief Profile of Faculty Members

	Prof. Dharmendra Kumar Singh, Professoe & Head *M.Phil, Ph.D (Ranchi Institute of Neuro-psychiatry and Allied Sciences, RINPAS, Kanke, Ranchi* **Specialization**: Clinical Psychology		**Prof. Jay Kumar Ranjan, Professor** Specialization: Clinical Psychology
	Dr. Das Ambika Bharti Associate Professor Ph.D. (*Banarus Hindu University)* **Specialization**: Clinical/Health Psychology		**Dr. Manglesh Kumar Manglam** Associate Professor M.Phil.-Ph.D. (*CIP, Ranchi)* **Specialization**: *Clinical Psychology*
	Dr. Chetna Jaiswal Assistant Professor *M. Phil. Ph.D. (University of Rajasthan, Jaipur)* **Specialization**: Organizational Behaviour and Social Psychology		**Dr. Sudarsan Behera Assistant Professor** Specialization: Cultural Psychology, Indian Psychology & Psychometrics.

SCHOOL OF LANGUAGES AND LITERATURE

Human civilization has evolved alongside language, with knowledge and creativity intertwining to shape literature. As a reflection of linguistic heritage, literature celebrates cultural diversity and fosters learning through analysis and interpretation. The School of Languages and Literature embraces these ideals, advancing studies in language and literature while promoting communication and presentation skills.

Through an interdisciplinary approach enriched by cultural dimensions, the School addresses the needs of a pluralistic society. Its Department of English and Department of Hindi form the foundation, open to incorporating academic programs in foreign and Indian languages. These programs serve as pathways for research and cultural exploration, bridging the global and local understanding of language and literature.

Department of English

The Department of English, established in the 2012–13 academic session, fosters an inter-lingual approach to enable students to proficiently understand foreign languages and literatures. It emphasizes skillful presentation of ideas in both oral and written forms, recognizing language proficiency as a key driver of cognitive development across diverse contexts.

Smart classrooms equipped with advanced techno-sound systems address contemporary challenges in language tasks. The Department integrates theoretical and practical methodologies for teaching English as a foreign language while promoting extra-curricular and co-curricular activities to enrich learners' sensibilities.

Offering MA and PhD programs in English, the Department ensures syllabi are revised and updated annually to meet evolving academic and professional standards. Many students have successfully qualified for NET and secured jobs through campus selection, showcasing the Department's commitment to excellence.

5 Year Integrated UG-PG in English

Course Structure

Sl.No.	Course Code	Course Type	Course Title	Credits	L/T/P
			SEMESTER I		
1.	ENG51MJ00104	Major	Essentials of English Language and Literature-I	4	3/1/0
		Minor (Other Departments)		4	
2.	ENG51MD00203	Multidisciplinary (Other Departments)	Literature and Society	3	3/1/0
3.	ENG51AE00302	Ability Enhancement	Language Skills: Listening and Speaking	2	1/0/1
4.	ENG51SE00403	Skill Enhancement	Professional Communication-I	3	2/0/1
5.	ENG51VA00502	Value Added	Indian Ethos Through Literature	2	1/1/0
6.	ENG51VA00602	Value Added	Indian Thinkers	2	1/1/0
			Total Credits	**20**	
			SEMESTER II		
7.	ENG52MJ00704	Major	Essentials of English Language and Literature-II	4	3/1/0
		Minor (Other Departments)		4	
8.	ENG52MD00803	Multidisciplinary (Other Departments)	Literature and Philosophy	3	2/1/0

9.	ENG52AE00902	Ability Enhancement	Language Skills: Reading and Writing	2	1/0/1
10.	ENG52SE01003	Skill Enhancement	Professional Communication - II	3	2/0/1
11.	ENG52VA01102	Value Added	Indian Folktales	2	1/1/0
12.	ENG52VA01202	Value Added	Partition Literature	2	1/1/0
			Total Credits	**20**	

Course: Undergraduate Certificate

Sl. No.	Course Code	Course Type	Course Title	Credits	L/T/P
			SEMESTER III		
13.	ENG61MJ01304	Major	Kalidasa and Shakespeare	4	3/1/0
		Minor (Other Departments)		4	
14.	ENG61MJ01404	Major	Genre Fundamentals: Poetry	4	3/1/0
15.	ENG61MD01503	Multidisciplinary (Other Departments)	Literature and Ecology	3	2/1/0
16.	ENG61AEC01602	Ability Enhancement	English for Academic Writing	2	1/1/0
17.	ENG61SE01703	Skill Enhancement	Art of Translation	3	2/0/1
			Total Credits	**20**	
			SEMESTER IV		
18.	ENG62MJ01804	Major	Indian Writings in English	4	3/1/0
		Minor (Other Departments)		4	
19.	ENG62MJ01904	Major	Genre Fundamentals: Drama	4	3/1/0
20.	ENG62MJ02004	Major	Novels in English	4	3/1/0
21.	ENG62MJ02102	Major	Women's Writing in English	2	1/1/0
22.	ENG62AE02202	Ability Enhancement	Creative Writing	2	1/1/0
			Total Credits	**20**	

Course: Undergraduate Diploma

Sl. No.	Course Code	Course Type	Course Title	Credits	L/T/P
			SEMESTER V		
23.	ENG71MJ02304	Major	Indian Literary Genres	4	3/1/0
		Minor (Other Departments)		4	
24.	ENG71MJ02404	Major	Approaches to Literature	4	3/1/0
25.	ENG71MJ02504	Major	Indian Literary Criticism and Theory	4	3/1/0

Sl. No.	Course Code	Course Type	Course Title	Credits	L/T/P
26.	ENG71MJ02602	Major	Life Writings	2	1/1/0
27.	ENG71MJ02702	Discipline Elective	Internship	2	1/1/0
			Total Credits	**20**	
		SEMESTER VI			
28.	ENG72MJ02804	Major	Travel Writing	4	3/1/0
		Minor (Other Departments)		4	
29.	ENG72MJ02904	Major	Indian Vernacular Literature	4	3/1/0
30.	ENG72MJ03004	Major	Literary Movements	4	3/1/0
31.	ENG72MJ03104	Major	Introduction to Linguistics	4	3/1/0
			Total Credits	**20**	

Course: Bachelor's Degree

Sl. No.	Course Code	Course Type	Course Title	Credits	L/T/P
		SEMESTER VII			
32.	ENG81MJ03204	Major	Contemporary Literary and Cultural Theory	4	3/1/0
33.	ENG81MN03304	Minor (Other Departments)	English in India	4	3/1/0
34.	ENG81MJ03404	Major	New Literatures in English	4	3/1/0
35.	ENG81MJ03504	Major	Research Methodology	4	3/1/0
36.	ENG81MJ03604	Major	Texts and the Screen: Adaptations	4	3/1/0
			Total Credits	**20**	
		SEMESTER VIII			
37.	ENG82MJ03704	Major	Introduction to Cultural Studies	4	3/1/0
38.	ENG82MN03804	Minor (Other Departments)	Advanced Writing and Communication Skills	4	3/1/0
39.	ENG82MJ03912	Discipline Elective	Dissertation	12	
		OR			
40.	ENG82MJ04004		American Literature	4	3/1/0
41.	ENG82MJ04104	Discipline Elective	English Language Teaching	4	3/1/0
42.	ENG82MJ04204		World Literature	4	3/1/0
			Total Credits	**20**	

Course: Bachelor's Degree (Honours/Research)

Sl. No.	Course Code	Course Type	Course Title	Credits	L/T/P
		SEMESTER IX			
		Any five Elective Courses			
43.	ENG91MJ04304	Discipline Elective	Gender, Sexuality and Social Change	4	3/1/0

44.	ENG91MJ04404	Discipline Elective	Dalit and Tribal Literature	4	3/1/0
45.	ENG91MJ04504	Discipline Elective	Indian Writing in English Translation	4	3/1/0
46.	ENG91MJ04604	Discipline Elective	Disability Studies and Literary Representation	4	3/1/0
47.	ENG91MJ04704	Discipline Elective	Visual Culture Studies	4	3/1/0
48.	ENG91MJ04804	Discipline Elective	Semantics and Pragmatics	4	3/1/0
49.	ENG91MJ04904	Discipline Elective	Prison Writing	4	3/1/0
			Total Credits	**20**	
		SEMESTER X			
50.	ENG92MJ05120	Discipline Elective	Dissertation	20	
		Any five Elective Courses			
51.	ENG92MJ05104	Discipline Elective	Postcolonial Literature and Theory	4	3/1/0
52.	ENG92MJ05204	Discipline Elective	Science Fiction	4	3/1/0
53.	ENG92MJ05304	Discipline Elective	Diaspora Literature	4	3/1/0
54.	ENG92MJ05404	Discipline Elective	Ecocriticism and Environmental Sustainability	4	3/1/0
55.	ENG92MJ05504	Discipline Elective	Children's Literature	4	3/1/0
56.	ENG92MJ05604	Discipline Elective	Curriculum Development and Material Design in ELT	4	3/1/0
57.	ENG92MJ05804	Discipline Elective	Literature and New Media	4	3/1/0
			Total Credits	**20**	

NOTE: Students can have one of the three choices in these two semesters (IX and X):

1. Earn all 40 credits from the courses.

2. Earn 20 credits from courses and 20 credits from dissertation provided a student has CGPA>7.5

3. Earn 40 credits from dissertation provided a student has CGPA>7.5

M.A. in English

The two-year M.A. English program, spanning four semesters, is tailored to meet the academic and intellectual demands of language and literature studies. It encompasses a wide array of canonical and non-canonical texts, representing major literary traditions from the 16th century to the 20th century and beyond. The program emphasizes a critical approach to literary movements across time and space, moving beyond conventional periodization.

Students engage in both imaginative exploration and critical analysis of texts from British, European, Indian, South Asian, American literatures, along with their translations and the New Literatures in English. The inclusion of literary theories and criticism broadens their intellectual horizons. In addition to core courses, the syllabus offers a variety of electives, including MOOC/SWAYAM options, aligned with the Choice Based Credit System (CBCS), ensuring flexibility and broader academic choice.

Eligibility:
Bachelor's Degree in any discipline from a recognized University with a minimum of 55% marks for General / OBC candidates and 50% marks for SC/ST / PWD candidates.

Course Structure:
List of Courses in M.A. English (80 Credits)

Course Code	Course Title	Credits
Semester – I		
Discipline-Based Core		
ENG81DC00104	British Poetry and Drama	4
ENG81DC00204	Indian Writing in English	4
ENG81DC00304	Indian and Western Literary Criticism	4
ENG81DC00404	Introduction to Linguistics	4
Open Elective (any one)		
ENG81DE00504	Advanced Writing and Communication Skills	4
ENG81DE00604	English in India	4
Mandatory Non-Credit Elective		
ENG81ME00700	Soft Skills and Personality Development	0
Semester – II		
Discipline-Based Core		
ENG82DC00804	British Novel and Non-Fictional Prose	4
ENG82DC00904	Indian and Western Literary Theory	4
ENG82DC01004	Indian Intellectual Tradition	4
ENG82DC01104	English Language Teaching	4
Discipline-Based Electives (any one)		
ENG82DE01204	Film and Literature	4
ENG82DE01304	European Literature in English Translation and American Literature	4
ENG82DE01404	Prison Writing in India	4
ENG82DE01504	Disability Studies	4
Mandatory Non-Credit Elective		
ENG82ME01600	The Makers of Modern India	0
Semester – III		
Discipline-Based Core		
ENG91DC01704	Research Methodology and Writing Skills	4

ENG91DC01804	Indian Tribal and Folk Literature	4
ENG91DC01904	New Literatures in English	4
	Discipline-Based Electives (any one)	
ENG91DE02004	South Asian Literature in English	4
ENG91DE02104	English Writing from Bihar	4
ENG91DE02204	Gender, Sexuality and Social Change	4
ENG91DE02304	SWAYAM course	4
	Open Elective (any one)	
ENG91OE02404	English for Academic Writing	4
ENG91OE02504	Translation: Theory and Practice	4
	Mandatory Non-Credit Elective	
ENG91ME02600	Value Education through Literature	0
	Semester – IV	
	Discipline-Based Core	
ENG92DC02704	Indian Literature in English Translation	4
ENG92DC02808	Dissertation	8
	Discipline-Based Electives (any two)	
ENG92DE02904	Ecocriticism and Environmental Sustainability	4
ENG92DE03004	Cultural Studies	4
ENG92DE03104	Material Design in ELT	4
ENG92DE03204	Pragmatics and Discourse	4
ENG92DE03304	Contemporary World Literature	4
ENG92DE03404	Subalternity and Dalit Literature in India	4
	Total	**80**

Ph.D. in English

The Ph.D. programme in English offers to the students option to choose their topics from any of the following areas of research:

Indian English Literature, Indian Literature in English Translation, Indian Poetics, British Literature, American Literature, New Literatures in English (Indian, Australian, Canadian, African, Caribbean), Comparative Literature, Film and Literature, Gender Studies, Cultural Studies, Postcolonial Studies, Literary Theory and Criticism, Translation Studies, Linguistics and ELT.

Eligibility:
M.A in English (Literature / Linguistics) from any recognised University with 55% in aggregate or its equivalent Grade B in UGC 7 point scale. A relaxation of 5% of marks from 55 to 50% or an equivalent relaxation of Grade for SC/ST/Differently abled candidates. Note: A candidate who is qualified in a national level test such as National Eligibility Test (NET-JRF), NET-LS (without fellowship), Graduate Aptitude Test for Engineering

(GATE), State Level Eligibility Test (SLET) accredited by UGC/Central or State Government may be considered for direct admission to the PhD Programme without appearing in the CUET Entrance Test. However, such candidates have to apply for the programme on CUET portal and pay the requisite fees.

Coursework in PhD English

Course Code	Course Title	Credit
ENG 901	Research Methodology	4
ENG 902	Tools & Techniques of Research	4
ENG 903	Preparation and presentation of Research Proposal	4
ENG 904	Research and Publication Ethics	2
Total		**14**

Brief Profile of Faculty Members

Prof. Vipin K. Singh
Professor and Head
M.A., D.Phil., UGC Major Research Project
Specialization : Gender Studies, Tribal Folkloristics, Literary and Critical Theories, Shakespeare.

Dr. Archana Kumari
Professor
M.A. (English), NET (Linguistics), Ph.D. (ELT, Ranchi University, Ranchi)
Specialization : Linguistics and English Language Teaching, Communication Skills, Indian English Literature, Diaspora Writing, Women's Studies, Translation Studies etc.

Dr. Suresh Kurapati
Assistant Professor
B.Ed. M.Phil. and Ph.D. (English, University of Hyderabad)
Specialization : English Language Teaching (ELT), English in India and Psycho-linguistics, Literature Studies, especially New Literatures and Culture Studies.

Dr. Arpana Jha Assistant Professor
M.A. (English, Linguistics), PhD (Linguistics , JNU New Delhi), PGJMC
Specialization : Applied Linguistics, Curriculum and Material Design, Pragmatics and Discourse, Post-colonial Studies, and Aesthetics of Film and Literature

Dr. Saroj Kumar
Assistant Professor
MPhil. & Ph.D. (English; EFL University, Hyderabad)
Specialization : Sociolinguistics, English Language Education, Phonetics and Phonology

Mr. Abhay Leonard Ekka
Assistant Professor
MA (English), NET, M. Ed.
Specialization : English language and Literature, Mr Ekka has interest in Diasporic Literature, Tribal Literature and Modern Critical Theories

| | **Dr. Sunil Kumar**
Assistant Professor
M.Phil. & Ph.D. (English EFL University, Hyderabad),

(UGC-NET-JRF & SRF)
Specialization : Contemporary Literary and Cultural Theory, Contemporary Fiction, Environmental Humanities | | |

भारतीय भाषा विभाग

हिंदी विभाग

'विश्वविद्यालय केन्द्रीय बिहार दक्षिण' का '**हिंदी विभाग**' भाषा और साहित्य के अध्ययन–अध्यापन साथ के विद्यार्थियों में उच्चस्तरीय शोध-अभिरुचि विकसित करने के लिए प्रतिबद्ध है । यह भाषा और साहित्य के माध्यम से भारतीय समाज की बहुआयामी सांस्कृतिक विविधताओं का अध्ययन करता है। यह साहित्य और समाज की उत्कृष्ट परंपराओं एवं विरासत को अक्षुण्ण रखते हुए, रचनाशीलता के विकास तथा ज्ञान के नये अनुशासनों की रचना एवं उनमें परस्पर संवाद की ओर उन्मुख है। इसके साथ, यह **विभाग** बदलते वैश्विक परिदृश्य में नयी तकनीक एवं संचार की दिशा में अग्रसर होते हुए, भारतीय भाषाओं को रोजगारपरक बनाने के लिए भी प्रयासरत है।वर्तमान में इस विभाग में 'पी–एच.डी.हिन्दी' और 'स्नातकोत्तर हिंदी' ('एम.ए.हिन्दी') – दो कार्यक्रम संचालित हो रहे हैं।

'विभाग' की भावी योजनाओं में'भित्ति-पत्रिका' व'शोध-पत्रिका'(छमाही) का प्रकाशन, विभागीय ब्लॉग व फ़िल्म-अभिलेखागार का निर्माण, 'मीडिया और रचनात्मक लेखन' विषय में स्नातकोत्तर डिप्लोमा कोर्स शुरू करना, साहित्यकारों और भाषा विज्ञानियों की स्मृति में व्याख्यानमाला का आरम्भ, पार्श्ववर्ती क्षेत्रों मे लोक-साहित्य का सर्वेक्षण, समाज के वंचित समूहों से सम्बद्ध अध्ययन के लिए 'सावित्रीबाई फुले अध्ययन पीठ' और 'हिंदी' व 'उर्दू' में दो शोध-पीठ स्थापित करना आदि शामिल हैं ।

5 Year UG-PG in Hindi

5 Year UG-PG programme in Hindi

1st सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	भाषा साहित्य की समझ	4	HIN51MJ00104
2.	Minor	भाषा साहित्य की समझ	4	HIN51MJ00104
3.	MD	सामाजिक न्याय और साहित्य	3	HIN51MD00203
4.	AEC	भाषा और वक्तृत्व कला	2	HIN51AE00302
5.	SEC	विज्ञापन और हिन्दी	3	HIN51SE00403
6.	VAC	भारतबोध और साहित्य	2	HIN51VA00502
7.	VAC	संवैधानिक मूल्य और हिन्दी साहित्य	2	HIN51VA00602
		कुल क्रेडिट	20	

2nd सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	हिन्दी भाषा एवं साहित्य का विकास	4	HIN52MJ00704
2.	Minor	हिन्दी भाषा एवं साहित्य का विकास	4	HIN52MJ00704
3.	SWAYAM		4	HIN52SW00804
4.	MD	पर्यावरण और साहित्य	3	HIN52MD00903
5.	AEC	भाषा और लेखन कला	2	HIN52AE01002
6.	SEC	सोशल मीडिया एवं कम्प्यूटिंग	3	HIN52SE01103
7.	VAC	परम्परा और आधुनिकता	2	HIN52VA01202
8.	VAC	साहित्य और सामाजिक संस्कृति	2	HIN52VA01302
		कुल क्रेडिट	20	

3rd सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	प्राचीन एवं मध्यकालीन काव्य	4	HIN61MJ01404
2.	Major	हिन्दी कहानी	4	HIN61MJ01504
3.	Minor	हिन्दी कहानी	4	HIN61MJ01504
4.	SWAYAM		4	HIN61MJ01604
5.	MD	इतिहास, मिथक और साहित्य	3	HIN61MD01703
6.	AEC	हिन्दी व्याकरण	2	HIN61AE01802
7.	SEC	सम्पादन कला	3	HIN61SE01903
		कुल क्रेडिट	20	

4th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	आधुनिक हिन्दी कविता	4	HIN62MJ02004
2.	Major	विविध गद्य–रूप	4	HIN62MJ02104
3.	Major	हिन्दी नाटक	4	HIN62MJ02204
4.	Major	हिन्दी की संस्थाऍं	2	HIN62MJ02304
5.	Minor	आधुनिक हिन्दी कविता	4	HIN62MJ02004
6.	SWAYAM		4	HIN62SW02404
7.	AEC	कार्यालयी हिन्दी	2	HIN62AE02502
		कुल क्रेडिट	20	

5th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	हिन्दी उपन्यास	4	HIN71MJ02604
2.	Major	हिन्दी निबन्ध और आलोचना	4	HIN71MJ02704
3.	Major	भाषा विज्ञान	4	HIN71MJ02804
4.	Major	हिन्दीतर प्रदेश: हिन्दी भाषा एवं साहित्य	2	HIN71MJ02902
5.	Minor	हिन्दी उपन्यास	4	HIN71MJ02604
6.	SWAYAM		4	HIN71SW03004
7.	Internship	हिन्दी क्षेत्र के लोक साहित्य का सर्वेक्षण	2	HIN71MJ03102
		कुल क्रेडिट	20	

6th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	साहित्यशास्त्रीय सिद्धांत	4	HIN72MJ03204
2.	Major	लोक साहित्य	4	HIN72MJ03304
3.	Major	समकालीन हिन्दी साहित्य	4	HIN72MJ03404
4.	Major	हिन्दी का वैश्विक परिप्रेक्ष्य	4	HIN72MJ03504
5.	Minor	समकालीन हिन्दी साहित्य	4	HIN72MJ03404
6.	SWAYAM		4	HIN72SW03604
		कुल क्रेडिट	20	

7th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	हिन्दी साहित्य का इतिहास	4	HIN81MJ03704
2.	Major	भाषा विज्ञान और हिन्दी भाषा	4	HIN81MJ03804
3.	Major	हिन्दी कथा साहित्य	4	HIN81MJ03904
4.	Major	आरम्भिक एवं मध्यकालीन हिन्दी काव्य	4	HIN81MJ04004
5.	Minor	हिन्दी कथा साहित्य	4	HIN81MJ03904
6.	SWAYAM		4	HIN81SW04104
		कुल क्रेडिट	20	

8th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	आधुनिक हिन्दी काव्य	4	HIN82MJ04204
2.	Major	भारतीय साहित्य	4	HIN82MJ04304
3.	Major	शोधः कार्य–प्रणाली, उपकरण ओर प्रविधि	4	HIN82MJ04404
4.	Major	हिन्दी पत्रकारिता एवं जनसंचार	4	HIN82MJ04504
5.	Major	शोध परियोजना	12	HIN82MJ04612
6.	Minor	भारतीय साहित्य	4	HIN82MJ04304
7.	SWAYAM		4	HIN82SW04704
		कुल क्रेडिट	20	

9th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	हिन्दी का अस्मितामूलक साहित्य	4	HIN91MJ04804
2.	Major	हिन्दी नाटक एवं रंगमंच	4	HIN91MJ04904
3.	Major	उर्दु भाषा एवं साहित्य का इतिहास	4	HIN91MJ05004
4.	Major	साहित्यशास्त्रः भारतीय एवं पाश्चात्य	4	HIN91MJ05104
5.	Major	साहित्य और हिन्दी सिनेमा	4	HIN91MJ05204
6.	SWAYAM		4	HIN91SW05304
		कुल क्रेडिट	20	

10th सेमेस्टर

क्रम	प्रकृति	विषय	क्रेडिट	कोर्स कोड
1.	Major	हिन्दी आलोचना	4	HIN92MJ05404
2.	Major	कथेतर साहित्य	4	HIN92MJ05504
3.	Major	हिन्दी क्षेत्र का लोक साहित्य	4	HIN92MJ05604
4.	Major	हिन्दी का समकालीन साहित्य	4	HIN92MJ05704
5.	Major	साहित्य अध्ययन का वैचारिक परिप्रेक्ष्य	4	HIN92MJ05804
		कुल क्रेडिट	20	

M.A. in Hindi

SEMESTER-I			
Course Nature	Credit	COURSE CODE	Course Title
DBCC	04	HIN81DC00104	हिन्दी साहित्य का इतिहास

DBCC	04	HIN81DC00204	प्राचीन और मध्यकालीन हिन्दी काव्य
DBCC	04	HIN81DC00304	हिन्दी कथा साहित्य
DBCC	04	HIN81DC00404	निबंध और विविध गद्य विधाएँ
OEIC	04	HIN81OE00504 HIN81SW00604	#साहित्य और हिन्दी सिनेमा #SWAYAM/ MOOC COURSE
MENC	--	HIN81ME00700	दक्षता भाषा हिन्दी.

SEMESTER-II			
Course Nature	Credit	COURSE CODE	Course Title
DBCC	04	HIN82DC00804	आधुनिक हिन्दी कविता
DBCC	04	HIN82DC00904	हिन्दी नाटक और रंगमंच
DBCC	04	HIN82DC01004	कार्यालयी हिन्दी और कंप्यूटिंग
DBCC	04	HIN82DC01104	शोध प्रणाली-कार्य :, उपकरण और प्रविधि
DBCC/DBCE	04	HIN82DE01204 HIN82DE01304	अनुवादव्यवहार और सिद्धांत : हिन्दी पत्रकारिता एवं जनसंचार
MENC	--	HIN82ME01400	लेखन सृजनात्मक.

SEMESTER-III			
Course Nature	Credit	COURSE CODE	Course Title
DBCC	04	HIN91DC01504	साहित्यशास्त्र भारतीय : और पाश्चात्य
DBCC	04	HIN91DC01604	हिन्दी आदिवासी साहित्य
DBCC/ DBCE	04	HIN91DE01704 HIN91DE01804 HIN91DE01904	.स्त्री साहित्य .ओबीसी साहित्य और हिन्दी साहित्य में अन्य विमर्श साहित्य दलित हिन्दी.

Course Nature	Credit	COURSE CODE	Course Title
DBCC/ DBCE	04	HIN91DE02004 HIN91DE02104 HIN91DE02204 HIN91DE02304 HIN91DE02404 HIN91DE02504 HIN91DE02604 HIN91DE02704 HIN91DE02804 HIN91DE02904	विशेष.साहित्यकार का अध्ययन - रैदास कबीर तुलसि मीरा प्रेमचन्द मुक्तिबोध हरिशंकर परसाई हरिराम मीणा हद्विवेदी .प्र . डॉधर्मवीर .
OEIC	04	HIN91OE03004 HIN91SW03104	#साहित्य अध्ययन का वैचारिक परिप्रेक्ष्य #SWAYAM/ MOOC COURSE
MENC	--	HIN91ME03200	हिन्दी.पर्यावरण साहित्य

SEMESTER-IV			
Course Nature	Credit	COURSE CODE	Course Title
DBCC	04	HIN92DC03304	हिन्दी आलोचना
DBCC	04	HIN92DC03404	भाषा विज्ञान और हिन्दी भाषा
DBCC	04	HIN92DC03504	लघु शोध/लेखन प्रबंध- प्रोजेक्ट कार्य/ बाह्य क्षेत्र सर्वेक्षण कार्य
DBCC/DBCE	04	HIN92DE03604 HIN92DE03704	.भारतीय साहित्य .समकालीन हिन्दी साहित्य
DBCC/DBCE	04	HIN92DE03804 HIN92DE03904	.हिन्दी का लोकसाहित्य- हिन्दी.प्रवासी साहित्य
MENC	--	HIN92ME04000	.हिन्दी विज्ञान कथा साहित्य

पी-एच.डी. हिंदी

इस कार्यक्रम का उद्देश्य 'हिन्दी' भाषा, साहित्यऔर उसकी सैद्धान्तिकीसे सम्बद्ध विविध क्षेत्रों और तत्सन्दर्भित दिनानुदिन उभर रहे नवीन क्षितिजों में स्तरीय व गुणवत्तापूर्ण अनुसन्धान को बढ़ावा देनाहै, जिसका स्वभाव अन्तरानुशासिक और रुझान सामाजिक हो

और जिसे शोधार्थी शोध-निर्देशक/निर्देशिका के 'अधीन' होकर नहीं, बल्कि उसके 'साथ' रहकर सम्पादित कर सके । इस कार्यक्रम के अन्तर्गत, सर्वप्रथम शोधार्थियों को शोधक्षम बनाने के लिए, 1 सेमेस्टर (छह माह) के **कोर्सवर्क** की व्यवस्था है, जिसके द्वारा वे अछूते शोध-विषयों के अन्वेषण के विवेक और तदुपयोगी (परम्परागत व नवाचारी) शोध की विधियों, प्रविधियों व उपकरणों से समृद्ध होते हैं । इस पाठ्यक्रम का ढाँचा ऐसा रखा गया है, जिससे यह अपने केन्द्रीय लक्ष्य - **शोध-प्रबन्ध** लेखन - को पूर्ण करने के साथ-साथ, शोध-निर्देशक/निर्देशिका और शोधार्थी को विविधोन्मुखी मौलिक **शोध-पत्रों** की रचना हेतु भी उत्प्रेरित करे, ताकि दोनो का सम्मिलित अध्यवसाय ज्ञान-सृजन की महत्तर परियोजना में रचनात्मक व सार्थक योगदान कर सके ।

पाठ्यक्रम की संरचना :

Course Code	Course Title	Credit
HIN 901	शोध–कार्य प्रणाली	4
HIN 902	शोध : उपकरण और प्राविधि	4
HIN 903	शोध प्रस्ताव : निर्माण और प्रस्तुति	4
		12

भारतीय भाषाउपलब्धि/विशेषज्ञता/विवरण शैक्षिक का शिक्षकों के (उर्दू,हिन्दी)

प्रोफेसर **सुरेश चंद्रा**
प्रोफेसर **और अध्यक्ष**

Qualification : एम. ए., एम. फिल् . एव पी -एच. डी . (अलीगढ़ मुस्लिम विश्वविद्यालय, अलीगढ़)

डा. पाठक कुमार रवीन्द्र
सहकप्राध्याप-
(पी –एच . डी .हिन्दी)
विशेषज्ञता के क्षेत्र
भाषाशास्त्र और हिन्दी व्याकरण स्त्री और जेंडर अध्ययन

डा. प्रताप योगेश शेखर
सहायक प्राध्यापक,
पी –एच . डी . हिन्दी
विशेषज्ञता के क्षेत्र :
01 . प्राचीन एवं मध्यकालीन हिंदी काव्य,
02 . उपन्यास, आलोचना

डा. आर्य कर्मानंद
सहायक प्राध्यापक
(पी –एच . डी .हिन्दी)
विशेषज्ञता के क्षेत्र
1. भारतीय काव्यशास्त्र,
2. अस्मितामूलक साहित्य,
3. आधुनिक साहित्य,
4. प्रयोजनमूलक हिंदी

डा. भूषण शान्ति सहायक प्राध्यापक पी –एच.डी . - हिन्दी विशेषज्ञता के क्षेत्र : 01 . नवजागरण एवं आधुनिक हिन्दी गद्य साहित्य, 1. व्यंग्य 2. अनुवाद	**डा. लुगुन अनुज** सहायक प्राध्यापक पी –एच. डी .–हिन्दी विशेषज्ञता के क्षेत्र : 1. आदिवासी भाषा एवं साहित्य 2. समकालीन हिंदी साहित्य
डा.कफील अहमद **नसीम** सहायक **प्राध्यापक** **पी-एच.डी. (उर्दू)** **विशेषज्ञता के क्षेत्र** : 1.उर्दू भाषा और साहित्य का इतिहास 2.उर्दू कविता की आलोचना	**डा.राम चंद्र रजक** सहायक प्राध्यापक *Qualification : डी .* *फिल.(हिन्दी)*

*****

134

SCHOOL OF LAW AND GOVERNANCE

5 Year Integrated B.A.LLB (Hons.)

The five-year (10 semesters) Integrated B.A.LLB (Hons.) programme is designed to impart quality legal education to the students with subjects like Political Science, Sociology, Economics, Philosophy, Psychology, Legal History along with English. It consists of total 56 Courses in ten semesters. These include 8 Honors Law Courses, 24 General Law Courses, 6 Elective Courses, 4 Clinical Law Courses, 2 English Language Courses, and 12 Social Science Courses.

List of courses in Five Year Integrated B.A. LL.B. (Hons.) Programme
[As per BCI Regulation 2008 and based on CBCS [Choice Based Credit System]
[Effective from Batch 2018-2023]
SEMESTER- I (24 CREDITS)

SN.	Course Code	Courses	Credit
1	BALAW1001C04	Legal Method	4
2	BALAW1002C04	Law of Torts including MV Accident and Consumer Protection Laws	4
3	BALAW1003C04	Political Science- I [Political Theory]	4
4	BALAW1004C04	Economics- I [General Principles of Micro Economics]	4
5	BALAW1005C04	English- I [Communication Skill]	4
6	BALAW1001E04	History- I [Ancient justice System]	4
	BALAW1002E04	Sociology- I [Concept and Theory] [Open Elective I]	
7	BALAW1001S00	Moot Court Practice	Non Credit

SEMESTER- II (24 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW2001C04	Contract- I [General Principles of Law of Contract]	4
2	BALAW2002C04	Constitutional Law- I	4
3	BALAW2003C04	Political Science- II [Political Obligation]	4
4	BALAW2004C04	Economics- II [General Principles of Macro Economics]	4
5	BALAW2005C04	English- II [Legal Language]	4
6	BALAW2001E04	History II [Legal History]	4
	BALAW2002E04	Sociology- II [Indian Sociology]	
7	BALAW2001S00	Legal Aid and Parliamentary Debate	Non Credit

SEMESTER- III (24 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW3001C04	Contract- II [Special Contract]	4
2	BALAW3002C04	Constitutional Law - II	4
3	BALAW3003C04	Law of Crimes- I [IPC]	4
4	BALAW3004C04	Political Science- III [International Relations]	4
5	BALAW3005C04	Economics - III (Indian Economy)	4
6	BALAW3001E04	History- III (Constitutional History)	4
	BALAW3002E04	Sociology- III	

SEMESTER- IV (24 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW4001C04	Law of Crimes- II [Criminal Procedure Code]	4
2	BALAW4002C04	Family Law- I	4
3	BALAW4003C04	Public International Law	4
4	BALAW4004C04	Interpretation of Statutes and Principle of Legislations	4
5	BALAW4005C04	Administrative Law	4
6	BALAW4006C04	Political Science- IV [Indian Political Thought]	4

SEMESTER- V (24 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW5001C04	Family Law- II	4
2	BALAW5002C04	Civil Procedure Code and Limitation Act	4
3	BALAW5003C04	Jurisprudence	4
4	BALAW5004C04	Company Law-I	4
5	BALAW5005C04	Political Science - V [Public Policy and Administration in India]	4
		ELECTIVE I	
6.	BALAW5001E04	Media & Law	4
	BALAW5002E04	Equity & Trust	
	BALAW5003E04	Women & Criminal Law	
	BALAW5004E04	Human Rights Law and Practice	

SEMESTER- VI (24 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW6001C04	Company Law-II	4
2	BALAW6002C04	Evidence Law	4
3	BALAW6003C04	Property Law	4
4	BALAW6004C04	Environmental Law	4
5	BALAW6005C04	Political Science - VI [Comparative Government and Politics]	4
		ELECTIVE II	
6	BALAW6001E04	Election Law	4
	BALAW6002E04	Intellectual Property Law	
	BALAW6003E04	International Organisation	

SEMESTER- VII (20CREDITS)

SN	Course Code	Courses	Credit
1	BALAW7001C04	Principle of Taxation Law	4
2	BALAW7002C04	Labour and Industrial Law- I	4
		ELECTIVE III	4
3	BALAW7001E04	Cyber Law	4
	BALAW7002E04	Health Laws	
	BALAW7003E04	Outer Space Laws	
4		Hons. I	4
5		Hons. II	4

SEMESTER-VIII (20 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW8001C04	Labour and Industrial Law- II	4

2	BALAW8002C04	Clinic I ADR	4
		ELECTIVE IV	4
3	BALAW8001E04	International Trade Law	4
	BALAW8002E04	Animal Protection Laws	
	BALAW8003E04	Law on Education	
4		Hons. III	4
5		Hons. IV	4

SEMESTER- IX (20 CREDITS)

SN	Course Code	Courses	Credit
1	BALAW9001C04	Clinic II- Drafting, Pleading & Conveyancing	4
2	BALAW9002C04	Supreme Court Rules and Regulation and Limitation Act	4
		ELECTIVE V	4
3	BALAW9001E04	Conflict of Laws	4
	BALAW9002E04	Insolvency Laws	
	BALAW9003E04	Carriage Laws	
4		Hons. V	4
5		Hons. VI	4

SEMESTER- X (20CREDITS)

SN	Course Code	Courses	Credit
1	BALAW10001C04	Professional Ethics [Clinical Paper – III]	04
2	BALAW10002C04	Moot Court Exercise and Internship [Clinical Paper- IV]	04
		ELECTIVE VI	
3	BALAW10001E04	Right to Information	04
	BALAW10002E04	Legislative Drafting	
	BALAW10003E04	Maritime Law	
4		Hons. VII	04
5		Hons. VIII	04

Specialized Honours Programme

SN	Course Code	Honours Papers	Course Title
Group-A	Business Law Honours		
1.	BALAW7003H04	Hons.-I	Banking Law
2.	BALAW7004H04	Hons.-II	Investment Law
3.	BALAW8003H04	Hons.-III	Financial Market Regulation
4.	BALAW8004H04	Hons.-IV	Insurance Law
5.	BALAW9003H04	Hons.-V	Corporate Governance
6.	BALAW9004H04	Hons.-VI	Merger & Acquisition
7.	BALAW10003H04	Hons.-VII	Competition Law
8.	BALAW10004H04	Hons.-VIII	Law of Infrastructure Development
Group-B	Crime and Criminology Honours		
1.	BALAW7006H04	Hons.-I	Criminology and Victimology
2.	BALAW7007H04	Hons.-II	Criminal Justice Administration
3.	BALAW8007H04	Hons.-III	Cyber Crime and Cyber Forensic
4.	BALAW8008H04	Hons.-IV	Probation and Parole

5.	BALAW9005H04	Hons.-V	Comparative Criminal Procedure
6.	BALAW9006H04	Hons.-VI	Corporate and White Collar Crime
7.	BALAW10006H04	Hons.-VII	Police Administration
8.	BALAW10007H04	Hons.-VIII	International Criminal Law

5 Year Integrated B.B.A. LL.B. Programme

Semester- I (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW1001C04	Legal Method	4
2	BBALAW1002C04	Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws	4
3	BBALAW1003C04	English- I [Communication Skill]	4
4	BBALAW1004C04	BBA- I Principles of Management	4
5	BBALAW1005C04	BBA- II Managerial Economics	4
6	BBALAW1006C04	BBA- III Organisational Behaviour	4
7	BBALAW1001S00	Moot Court Practice	Non-Credit

Semester- II (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW2001C04	Contract- I [General Principles of Law of Contract]	4
2	BBALAW2002C04	Constitutional Law- I	4
3	BBALAW2003C04	English- II [Legal Language]	4
3	BBALAW2004C04	BBA- IV Marketing Management	4
5	BBALAW2005C04	BBA- V Human Resource Management	4
6	BBALAW2006C04	BBA- VI Financial Management	4
7	BBALAW2001S00	Legal Aid and Parliamentary Debate Family Law- II	Non Credit

Semester- III (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW3001C04	Contract- II [Special Contract]	4
2	BBALAW3002C04	Constitutional Law - II	4
3	BBALAW3003C04	Law of Crimes- I [Bhartiya Nyaya Sanhita -2023]	4

4	BBALAW3004C04	BBA- VII Business Environment & Ethical Practices	4
5	BBALAW3005C04	BBA- VIII Business Research Methods	4
6	BBALAW3006C04	BBA- IX Quantitative Techniques and Statistics	4

Semester- IV (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW4001C04	Law of Crimes- II [Bhartiya Nagarik Suraksha Sanhita- 2023]	4
2	BBALAW4002C04	Family Law- I	4
3	BBALAW4003C04	Public International Law	4
4	BBALAW4004C04	Interpretation of Statutes and Principle of Legislations	
5	BBALAW4005C04	Administrative Law	
6	BBALAW4006C04	BBA- X Strategic Financial Management	

Semester- V (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW5001C04	Family Law- II	4
2	BBALAW5002C04	Civil Procedure Code and Limitation Act	4
3	BBALAW5003C04	Jurisprudence	4
4	BBALAW5004C04	Company Law-I	
5	BBALAW5005C04	BBA- XI Management Information System	
		Elective I	
6.	BBALAW5001E04	Media & Law	4
	BBALAW5025E04	Equity & Trust	4
	BBALAW5003E04	Women & Criminal Law	4
	BBALAW5004E04	Défense and Strategic Studies- I	

Semester- VI (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW6001C04	Company Law-II	4
2	BBALAW6002C04	Evidence Law (Bhartiya Sakshya Adhiniyam-2023)	4
3	BBALAW6003C04	Property Law	4
4	BBALAW6004C04	Environmental Law	4

5	BBALAW6005C04	BBA- XII Entrepreneurship and Small Business Management/ Goods and Services Tax	4
6		**ELECTIVE II**	4
	BBALAW6001E04	Insurance Law	4
	BBALAW6002E04	Corporate Governance and Social Responsibility of Business	
	BBALAW6003E04	Security Market Regulation	
	BBALAW6004E04	Défense and Strategic Studies- II	

Semester- VII (24 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW7001C04	Principle of Taxation Law	4
2	BBALAW7002C04	Labour and Industrial Law- I	4
3	BBALAW7003C04	Cyber Law	4
4	BBALAW7004C04	Intellectual Property Law	4
		ELECTIVE III	
5	BBALAW7001E04	Insolvency Laws	4
	BBALAW7002E04	Law of Infrastructure	4
	BBALAW700304	Mediation Law	4

Semester- VIII (20 Credits)

S. No.	Course Code	Course Title	Credits
1	BBALAW8001C04	Labour and Industrial Law- II	4
2	BBALAW8002C04	ADR [Clinical Paper- I]	4
3	BBALAW8003C04	International Trade Law	4
4	BBALAW8004C04	Investment Law	4
		ELECTIVE IV	
	BBALAW8001E04	Merger & Acquisition	4
5	BBALAW8002E04	Corporate Governance	4
	BBALAW8003E04	Banking Law	**4**

Semester- IX (20 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW9001C04	Minor Acts and Supreme Courts Rules	4
2	BBALAW9002C04	Competition Law	4
3	BBALAW9003C04	Drafting, Pleading & Conveyancing [Clinical Paper- II]	4
		ELECTIVE V	
4	BBALAW9001E04	Insolvency Laws	4
	BBALAW9002E04	Maritime Law	4
	BBALAW9003E04	Trade Secret and Technology Transfer	4
		ELECTIVE VI	
5	BBALAW9004E04	Conflict of Laws	4
	BBALAW9005E04	International Commercial Legislation	
	BBALAW9006E04	Right to Information	

Semester- X (20 Credits)

S.No.	Course Code	Course Title	Credits
1	BBALAW10001C08	Dissertation Writing	8
2	BBALAW10002C04	Moot Court Exercise [Clinical Paper- III]	4
3	BBALAW10003C04	Professional Ethics and Professional Accounting System [Clinical Paper- IV]	4
4	BBALAW10004C04	Internship [Clinical Paper V]	4

One-Year LL.M. Degree Programme

One Year LL. M Degree Programme intends to enable the existing legal education system to compete with the systems prevailing in developed countries like USA and UK. The students will get an opportunity to pursue this pioneering post-graduation programme from an Indian University of excellence. The School of Law and Governance, Central University of South Bihar structured its One Year LL. M. Degree Programme as per UGC One Year LL.M. Guidelines 2013 under the auspices of Centre for Post-Graduate Legal Studies (CPGLS). The vision of the University is to impart excellence in legal education and become a renowned center of higher education and academic research Centre in law. This program provides option of four elective groups; Criminal Law, Corporate and Commercial Law, Intellectual Property Rights, and Human Rights. Students have to elect one group and they will study six optional courses of that group.

Syllabus for LL.M. One-Year Programme Admission
1.   Legal Philosophy

2. Constitutional Law
3. Law of Contract
4. Law of Torts
5. Public International Law
6. Environmental Laws
7. Interpretation of Statutes

List of Courses in one-year LLM programme (26 Credits)

Course Code	Course Title	Total Credits
	SEMESTER – I	
MLLAW1001C03	**Research Methods and Legal Writing**	3
MLLAW1002C03	**Comparative Public Law/ System of Governance**	3
MLLAW1003C03	**Law and Justice in a Globalizing World**	3
	Optional Course I	2
	Optional Course II	2
	Optional Course III	2
	SEMESTER - II	2
	Optional Course IV	
	Optional Course V	**2**
	Optional Course VI	**2**
MLLAW2001C05	**Dissertation**	**5**

The University has following Optional / Specialization subjects from which a student can choose his / her area of specialization. However, the optional / specialization subject shall be offered only if minimum required students choose it as an option. In this regard school will take the final decision.
Total Credits of the Programme: 26

Part-A: Mandatory Subjects:
1. Research Methods and Legal Writing
2. Comparative Public Law/ System of Governance
3. Law and Justice in a Globalized World

Part – B: Elective Groups
1. Criminal Law
2. Corporate and Commercial Law

Part C: Nomenclatures of group wise courses:

1. Criminal Law:

Course Code	Course Title	Credits
MLLAW1001E02	Police Law and Administration	2
MLLAW1002E02	Criminology and Criminal Justice Administration	2
MLLAW1003E02	Criminal Justice and Human Rights	2
MLLAW2001E02	International Criminal Law	2
MLLAW2002E02	Sentencing and Criminal Justice	2
MLLAW2003E02	Corporate Crime/ white collar crimes	2

2.Corporate and Commercial Law

Course Code	Course Title	Credits
MLLAW1004E02	Corporate Governance	2

| Course Code	Course Title	Credits
MLLAW1005E02	Merger and Acquisition	2
MLLAW1006E02	Cyber Law	2
MLLAW2004E02	International Trade Law	2
MLLAW2005E02	Laws relating to Securities and Financial Markets	2
MLLAW2006E02	Competition Law	2

Ph.D. in Law

List of Courses in Ph.D. in Law

Course Code	Course Title	Credits
LAW 901	Research Methodology	4
LAW 902	Tools and Techniques of Research	4
LAW 903	Preparation and Presentation of Research Proposal	4
LAW 904	Research and Publication Ethics	2
	Total Credits	**14**

STUDENTS SUPPORT   EXTENSION ACTIVITIES AND OUTREACH PROGRAMME

Legal Aid Clinic:

The importance of Legal Aid and Awareness Campaigns as a mechanism for social progress is something that has been repeatedly stressed upon by the Government of India. In the backdrop of poverty and inequality, legal aid is an effective way towards attainment of the ideals of 'Social, Economic and Political' Justice that are enshrined in our Constitution under the Directive Principles of State Policy. Imparting legal awareness is the first step towards ensuring prompt and effective access to justice. Keeping this in mind, the Bar Council of India mandated all law colleges and universities in India to establish and run legal aid centres or clinics. The idea was to fulfil certain standards of legal education, but more importantly, it was also aimed at engaging the students in serving their community by promoting legal awareness through these legal aid clinics and programmes. The entire purpose of setting up nationwide collegiate clinics is to acclimatize several thousand law students of the nation to the problems faced by the masses ignorant about their rights and remedies under the law. Under the School of Law and Governance, CUSB Legal Aid Clinic is one successful beacon. The clinic functions by organising legal literacy camps, seminars, legal counselling, public speaking, poster making, street plays and liaisoning with Legal Services Authorities and through various other communicable media.
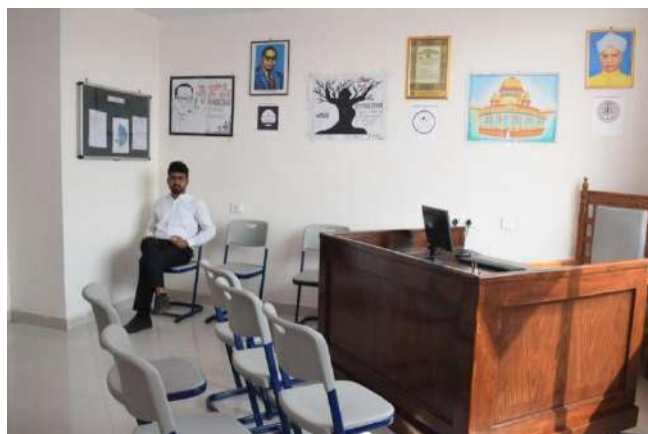
Legal Aid Clinic

Moot Court

School of Law and Governance has started working from the academic Year 2013-14. It offers three programms Integrated B.A.LL.B. (Hons.), LL.M. (One Year) and Ph.D. in Law. Each programme has been designed in compliance with BCI and UGC norms. Its syllabus is structured with an objective to meet the global demand of modern legal education. In compliance to Legal Education Rules, 2008 the school has established Legal Aid Clinic to sub-serve the interest of vulnerable classes and to inculcate among the students the sense of social responsibility. It also provides training of Moot Court, Model United Nations and Parliamentary Debating Skills to all the students. The school is striving towards imparting quality legal education to meet the professional demand as well

as to promote overall personal development. The mission of the school is to equip the students with critical thinking, analytical and applied skills and further to enable them to become efficient members contributing to the bar and bench. It is mandatory for every student to undergo two months summer internship every year. The school intends to transform its students as responsible and capable citizen of this country. It has structured its course content taking into consideration the changing needs of the society. Students are trained with an objective to meet the standard global parameters.

Central University of South Bihar (CUSB) has adequate infrastructural facilities to provide the perfect ambience for interdisciplinary studies in law, in its true sense. School of law and governance, CUSB, is not only imbibed with multidisciplinary approach to the legal studies and research but it is making genuine efforts to disseminate such approach to both the privileged and underprivileged learners and researchers of law and jurisprudence. The school is striving towards imparting quality legal education to the students including the students who are from poor, oppressed, downtrodden and backward communities of the society. In academic session 2018-19; students of the school have brought many laurels, such as; 14 PG students qualified UGC NET Examination, 12 students selected as Civil Judge (Junior Division) in Bihar Judicial Services. Our students are the regular participant in various National and International Moot Court Competitions.

The School of Law and Governance is continuously organizing different programmes in the school for the overall development of the students. In the session 2018-19, Constitution Day Celebration, 3rd Intra-Moot Court Competition, 2019, Debating Premier League *etc*. were organised with the participation of students and witnessed a grand success.

Brief Profile of Faculty Members

	Prof. (Dr.) S.P. Srivastava Professor PhD (Law, JamiaMilliaIslamia, New Delhi) Specialization: Intellectual Property Law, International Trade Law, Cyber Law and Law & Governance		**Prof. (Dr.) Pawan Kr. Mishra** Professor Ph.D. (University of North Bengal) Specialization: Criminal Law, Gender Justice, Constitutional Law, Human Rights, Law relating to Women & Children
	Dr. Pradip K. Das Professor *Ph.D. (Intellectual Property Laws, University of Burdwan)* *Specialization:* Business Laws, Intellectual Property Laws and Human Rights.		**Prof. Ashok Kumar** Professor Head & Dean **Specialization :** *Constitutional Law, Law and Social Transformation, Jurisprudence, Human Rights, Media Law, RTI, Child Rights, Women Rights and Copyright Law.*

	Dr. Surendra Kumar Associate Professor **Specialization:** Criminal Law		**Mrs. Poonam Kumari** Assistant Professor LL.M (NLSIU, Bangalore), PhD (Pursuing, Central University of South Bihar) **Specialization:** Human Rights, Constitutional Law, International Law, Business Law, Refugee Law.
	Dr. Deo Narayan Singh Assistant Professor *Ph.D. (Insurance Law, Banaras Hindu University)* *Specialization: Insurance Law, Law of Evidence, Code of Civil Procedure, and Family Law*		**Dr. Digvijay Singh** Assistant Professor *Ph.D. (Intellectual Property Law, Banaras Hindu University)* **Specialization:** Intellectual Property Law, Labour and Industrial Laws
	Dr. Pallavi Singh Assistant Professor Ph.D. (Banaras Hindu University) Specialization: Criminal Law, Cyber Law, Intellectual Property Law		**Dr. Anant Prakash Narayan** Assistant Professor Ph.D. (Jawaharlal Nehru University) Specialization: Gender, Society and Law
	Dr. Mani Pratap Assistant Professor LL.M. (Baba BhimraoAmbedkar University) **Specialization:** Environmental Law, Intellectual Property Law, Insurance Law, Administrative Law, Taxation Law, Family Law, Merger& Acquisition etc.		**Dr.Kumari Nitu** Assistant Professor M.Phil, Ph.D. (International law, Jawaharlal Nehru University, New Delhi) **Specialization:** International law and Human Rights law.
	Dr. Anurag Agrawal **Assistant Professor** *Specialization : Corporate Law*		**Dr. Anuja Mishra** **Assistant Professor** *Specialization : Environmental Law, Climate Change, Drinking Water Rights.*
	Dr. Neha Shukla **Assistant Professor** *Specialization : Investment Law, International Trade Law*		Dr. Chandana Suba Assistant Professor *Specialization : Criminal Law, Administrative law*

*****

145

SCHOOL OF MANAGEMENT

Department of Commerce & Business Studies

In the era of Economic and Information Technology reforms, the world has become a global village, prompting transformative changes in policies worldwide, including India. Today, the customer is not just the king or queen but is regarded as a god by business houses. This evolving landscape underscores the need for providing commerce students with professional education and training that equips them to tackle challenges efficiently and deliver results with precision.

Commerce education plays a pivotal role in cultivating a pool of skilled professionals who can craft innovative plans, execute them creatively, and achieve exceptional performance. Professional skills possess the transformative power to elevate individuals to their highest potential, while motivation ensures that even the toughest challenges can be navigated with tact and determination.

The School of Management is presently running the Department of Commerce & Business Studies formally set up in 2018. It has imbibed the CUSB tradition of exploring new frontiers of knowledge and innovation in academics. The Vision of the School is to emerge as a Centre of Excellence in interdisciplinary approaches to studies and research involving Commerce and Management. Following the University Motto "Collective Reasoning", emphasis is being given on application of theories in real life situations to enhance business skills and employability of students through various other measures like personality development, project work, mock interviews and role plays etc.

The Department of Commerce & Business Studies offers a two-year (four-semester) Master's Degree Programme in Commerce with specializations in Accounting and Finance, Marketing, Human Resource Management, and Banking & Insurance. Designed and regularly updated to align with industry standards, the M.Com programme develops conceptual and analytical skills to prepare students for the professional world.

The course structure combines theoretical foundations with practical applications, providing a comprehensive understanding of commerce alongside insights into key management areas. With experienced faculty at the helm, the Department also plans to invite industry experts and academic professionals from renowned institutions as needed to enhance learning opportunities.

Additionally, the programme fosters a research-oriented culture and offers students exposure to the workings of the corporate environment, ensuring they are well-equipped to excel in their careers.

The Department actively operates a Placement Cell to facilitate student placements in various industries. Under faculty supervision, students engage in social outreach activities, contributing to social and co-curricular initiatives both on campus and in the villages adopted by CUSB. These experiences help instill a sense of community and responsibility.

Students are also encouraged to organize events such as commerce fests, quiz competitions, seminars, and workshops, fostering creativity and leadership skills. Additionally, the Department promotes ethical entrepreneurial activities, with initiatives like the "HONESTY SHOP – A Shop Without a Shopkeeper," serving as a notable achievement among several innovative projects in progress.

5 Year Integrated UG-PG in Commerce

Course Structure

	Sl. No.	Course Code	Course Type	Course Title	Credits
Semester I (100 level)		COM51MJ00104	Major	Financial Accounting	4
		COM51MJ00104	Minor	Financial Accounting	4
		COM51MD00203	Multidisciplinary	Principles and Practices of Banking & Insurance	3

		COM51AE00302	AEC	English Language	2
		COM51SE00403	SEC	Computer Application in Business	3
		COM51VA00502 COM51VA00602	VAC	1. Human value and Ethics 2. Yoga & Health Science	2 2
				Total Credits for Semester I	**20**

Semester II (100 level)		COM52MJ00704	Major	Principles of Management	4
		COM52MJ00704	Minor	Principles of Management	4
		COM52MD00803	Multidisciplinary	Business Environment	3
		COM52AE00902	AEC	Soft Skills & Interview Management	2
		COM52SE01003	SEC	Business Communication	3
		COM52VA01102	VAC	Business Ethics	2
		COM52VA01202		Human Rights	2
				Total Credits for Semester II	**20**
Student exiting the Programme after securing 40 credits will be awarded UG Certificate in Commerce provided they secure additional 4 credits through summer internship or field work in addition to 6 credits from skill-based courses earned during first and second semester.					**44**
Semester III (200 level)		COM61MJ01304	Major	Cost Accounting	4
		COM61MJ01404	Major	Business Economics	4
		COM61MD01603	Multidisciplinary	Fundamentals of Entrepreneurship	3
		COM61AE01702	AEC	Accounting Software Package	2
		COM61SE01803	SEC	E- Commerce	3
		Total Credits for Semester III			**20**
Semester IV (200 level)		COM62MJ01904	Major	Management Accounting	4
		COM62MJ02004	Major	Principles of Marketing	4
		COM62MJ02004	Minor	Principles of Marketing	4
		COM62MJ02104	Major	Company Law	4
		COM62MJ02202	Major	Business Statistics	2
		COM62AE02302	AEC	Start-up Management	2
				Total Credits for Semester IV	**20**
Student exiting the Programme after securing 80 credits will be awarded UG diploma in Commerce provided they secure additional 4 credits in skills enhancement courses offered during first year or second year summer vacation.					**84**
Semester V (300 level)		COM71MJ02404	Major	Direct Tax	4
		COM71MJ02504	Major	Financial Management	4
		COM71MJ02604	Major	Leadership Development	4
		COM71MJ02604	Minor	Leadership Development	4
		COM71MJ02702	Major	Mercantile law	2
		COM71IN02802	Internship	Internship	2

				Total Credits for Semester V	20
Semester VI (300 level)		COM72MJ02904	Major	Goods and Services Tax	4
		COM72MJ03004	Major	Human Resource Practices	4
		COM72MJ03104	Major	Corporate Accounting	4
		COM72MJ03204	Major	Investment Management	4
		COM72MJ03204	Minor	Investment Management	4
				Total Credits for Semester VI	20

Student who wants to undertake 3 years UG Programme will be awarded Bachelor of Commerce upon securing 120 credits (i.e. Major – 60 credits, Minor -24 credits, Multidisciplinary – 9 credits, AEC- 8 credits, SEC- 9 credits and Value added – 8 credits)					**120**
Semester VII (400 Level)		Finance Honors COM81MJ03304	Major	Business Research	4
		COM81MJ03404	Minor	Personal Finance	4
		COM81MJ03404 COM81MJ03504 COM81MJ03604	Major	Personal Finance Financial Market Operation Working Capital Management	4 4 4
		Accounting Honors COM81MJ03704	Major	Business Research	4
		COM81MJ03804	Minor	Advance Auditing	4
		COM81MJ03804 COM81MJ03904 COM81MJ04004	Major	Advance Auditing Government Accounting in India Financial Analysis and Reporting	4 4 4
		Human Resource Management Honors COM81MJ04104	Major	Business Research	4
		COM81MJ04204	Minor	Organizational Behaviour	4
		COM81MJ04204	Major	Organizational Behaviour Human Resource Development Labour Legislation in India	4

			Major	Business Research	4
		Marketing Honors COM81MJ04504			
		COM81MJ04604	Minor	Customer Relationship Management	4
		COM81MJ04704 COM81MJ04804 COM81MJ04904	Major	Customer Relationship Management Sales Management Advertising and Promotion	4 4 4
		Banking and InsuranceHonors COM81MJ05004	Major	Business Research	4
		COM81MJ05104	Minor	Indian Banking System	4
		COM81MJ05104 COM81MJ05204 COM81MJ05304	Major	Indian Banking System Banking Operations Life Insurance Management	4 4 4
Total Credits for Semester VII					**20**
Semester VIII (400 Level)		Finance Honors COM82MJ05404	Major	Strategic Financial Management	4
		COM82MJ05504	Major	Small Finance & Fintech Management	4
		COM82MJ05604	Major	Green Finance	4
		COM82MJ05604	Minor	Green Finance	4
		COM82MJ05704	Major	Financial Services	4

	AccountingHonors COM82MJ05804	Major	Advance Financial Accounting for Partnership Firm	4
	COM82MJ05904	Major	Advance Financial Accounting for Limited Companies	4
	COM82MJ06004	Major	Cost Accounting for Manufacturing Companies	4
	COM82MJ06104	Major	Cost Audit	4
	COM82MJ06104	Minor	Cost Audit	4
	Human Resource Management Honors COM82MJ06204	Major	Industrial Relation in India	4
	COM82MJ06304	Major	Labour Welfare & Social Security	4
	COM82MJ06404	Major	Social & Industrial Psychology	4
	COM82MJ06504	Major	HRM Audit	4
	COM82MN06604	Minor	Social & Industrial Psychology	4
	Marketing Honors COM82MJ06704	Major	Rural & Agriculture Marketing	4
	COM82MJ06804	Major	Print Media Advertising	4
	COM82MJ06804	Minor	Print Media Advertising	4
	COM82MJ06904	Major	Green Marketing	4
	COM82MJ07004	Major	Service Marketing	4
	Banking &Insurance Honors COM82MJ07104	Major	Central Banking in India	4

	COM82MJ07204	Major	Risk and Insurance Management	4
	COM82MJ07304	Major	General Insurance in India	4
	COM82MJ07404	Major	Green Banking	4
	Total Credits for Semester VIII			**20**

Notes:

1) Student who scores CGPA of 7.5 or above at the end of 6th semester can opt for research and do a research project /dissertation in 4th year. These students will be awarded **Bachelor of Commerce (Honours with Research)**. Students with CGPA less than 7.5 at the end of 6th semester cannot opt for research and instead they will pursue three major courses of 12 credits from the department. These students will be awarded **Bachelor of Commerce (Honours)** at the end of 4th year.

2) Those students coming directly for Master's degree (Diploma/1 year/2 years) may study with the student of 7th semester and for them Minor will be called OEIC (open elective interdisciplinary courses) and these courses will be chosen from other department (declared by BOS of each department) open elective courses. In first year, they will choose 32 credits course from the discipline and 8 credit from OEIC (level $\geq$ 400).

3) For **2 year PG Degree** student has to 10 courses (including 2 OEIC) (preferably earn 16 credits from courses of level 500)

4) For **1 year PG diploma** student has to 10 courses (including 2 OEIC) (preferably earn 16 credits from courses of level 500)

For students joining Fifth Year of PG program will have the following options at their disposal

(i) Earn all 40 credits from courses

(ii) Earn 20 credit from courses and 20 credit from research project (provided student has CGPA >7.5 **at 4th year**)

(iii) Earn 40 credit from research project (provided student has CGPA >7.5 **at 4th year**) **and will be awarded ONE YEAR PG Degree.**

Those who could not get CGPA 7.5 and above can study 10 courses and no project work and will get one year PG Diploma in the respective field.

Semester IX (500 Level)			**Finance Honors** **COM91MJ07504**	Major	International Finance	4
			COM91MJ07604	Major	Security Market & Portfolio Management	4
			COM91MJ07704	Major	Risk and Derivative Management	4

		COM91MJ07804	Major	Merger and Acquisition	4
		COM91MJ07904	Major	Public Finance	4
		Total Credits for Semester IX			**20**
Semester X(500 Level)		**Finance Honors** **COM92MJ08004**	Major	Econometrics & Financial Modelling	4
		COM92MJ08104	Major	Corporate Governance and Social Responsibility	4
		COM92MJ08204	Major	Behavioral Finance	4
		COM92MJ08304	Major	Management of Multinational Corporation Finance	4
		COM92MJ08404	Major	Mortgage Management	4
		Total Credits for Semester X			**20**

Semester IX (500 Level)		**Accounting** **COM92MJ08504**	Major	Advance Cost Accountancy	4
		COM92MJ08604	Major	International Accounting	4
		COM92MJ18704	Major	Strategic Cost Management	4
		COM92MJ18804	Major	International Taxation	4
		COM92MJ18904	Major	Business Valuation	4
		Total Credits for Semester IX			**20**
Semester X(500 Level)		**Accounting** **COM92MJ19004**	Major	International Accounting Standards	4
		COM92MJ19104	Major	Accounting for Non-profit Organizations	4
		COM92MJ19204	Major	Forensic Accounting and Audit	4
		COM92MJ19304	Major	Lease Accounting	4
		COM92MJ19404	Major	Pension Accounting	4
		Total Credits for Semester X			**20**

Semester IX (500 Level)		**HRM** **COM91MJ19504**	Major	**International Human Resource Management**	4
		COM91MJ19604	Major	Strategic Human Resource Management	4
		COM91MJ19704	Major	**Personal and Professional Skill Development**	4
		COM91MJ19804	Major	**Compensation Management**	4
		COM91MJ19904	Major	**HR Analytics**	4
				Total Credits for Semester IX	**20**
Semester X (500 Level)		**HRM** **COM92MJ10004**	Major	**Talent and Performance Management**	4
		COM92MJ10104	Major	Negotiation and Conflict Management	4
		COM92MJ10204	Major	Organizational Development and Change Management	4
		COM92MJ10304	Major	Green Human Resource Management	4
		COM92MJ10404	Major	Cultural Diversity at Work Place	4
				Total Credits for Semester X	**20**

Semester IX (500 Level)		**MARKETING** **COM91MJ10504**	Major	Consumer Behavior	4
		COM91MJ10604	Major	Global Consumers Culture and Marketing	4
		COM91MJ10704	Major	Customer Engagement	4
		COM91MJ10804	Major	Social Media and Internet Marketing	4
		COM91MJ10904	Major	Consumer Rights and protection	4
				Total Credits for Semester IX	**20**
Semester X(500 Level)		**MARKETING** **COM92MJ11004**	Major	International marketing and promotion	4
		COM92MJ11104	Major	Logistic &Supply Chain Management	4
		COM92MJ11204	Major	Brand Creation and Management	4
		COM92MJ11304	Major	Sales Force Management	4
		COM92MJ11404	Major	Industrial Marketing	4
				Total Credits for Semester X	**20**

M.Com. Degree Programme

The M.Com. Degree Programme is designed to equip students with the knowledge, skills, and attitude needed to excel in both current and emerging job markets. The syllabus is student-centered, offering flexibility for students to select courses aligned with their interests, needs, and long-term goals. With the Choice Based Credit System (CBCS), the programme spans 100 credits over four semesters, enabling students to master the subject for the award of a Master's Degree in Commerce.

Students can choose elective courses based on their aptitude from four specialized groups, providing tailored opportunities for academic enrichment. Additionally, the programme offers a distinctive feature: the option to study interdisciplinary courses beyond the Commerce domain. Students can earn a minimum of 8 credits, which may extend up to 16 credits, through elective courses, enhancing their competitive advantage and broadening their skillsets.

To be precise, the objectives of M. Com. Degree programme are as follows:-

• The Degree Programme is intended to impart intensive knowledge and ethical education to students in the subject and help them to acquire wider perspectives both for research and for professional applications.

• To provide foundation for further advanced studies and research in the area of Commerce such as M.Phil. and Ph.D. Programmes. It shall aim to enable master graduates in Commerce to qualify UGC-NET/SET and JRF examinations so that they can take-up the work of teaching or research of high quality and to prepare future commerce teachers who will be sharing their knowledge and skills with utmost sincerity and seriousness.

• To provide qualitative education at post-graduate level by imparting entrepreneurial skills for starting new business ventures.

• To allow M. Com. Graduates to choose for further advanced studies in different specialisation of Commerce such as Accounting and Finance, Human Resource Management and Marketing etc.

• To make the students business-oriented so as to improve their employability and enable M. Com. Graduates for a wide range of career dealing with the flow of money, from accountant to investment banker/financial analyst, and money manager to personal finance consultant etc.

• To provide a platform that facilitates all round development of a student's personality.

Programme Highlights: The Degree Programme are detailed in such a way that it will provide ample exposure to the students in pursuit of their career in the field of corporates, academics and research organizations involved in policy-making and policy analysis etc.

1. The M.Com. Degree Programme at the University includes three categories of courses: Core courses, Elective courses, and Self-study/Skill-based courses, ensuring a comprehensive and flexible curriculum.
2. The Department has developed an innovative teaching-learning methodology, leveraging cutting-edge technology through smart classrooms. This approach integrates a robust Continuous Assessment System, including written tests, class participation, oral quizzes, surprise tests, and more, to ensure holistic student evaluation.
3. M.Com. students are granted access to advanced databases like Prowess, EBSCO, and Bloomberg, along with training in statistical software such as SPSS, R, and E-Views. These resources empower students to analyze market research and trends while enhancing their understanding of the academia-industry interface.
4. Focus is placed on refining personality traits to make candidates employable and industry-ready. Each student will be assigned a mentor from the faculty to guide them through their academic and professional journey.
5. Special assistance, subject to resource availability, will be provided to economically and socially disadvantaged students, as well as physically challenged students. This support aims to prepare them for competitive examinations like UGC-NET, JRF, Banking & Insurance, and Civil Services.

Employment Opportunities

The Master of Commerce (M.Com.) is a prestigious postgraduate degree programme in India. It serves as a strong foundation for advanced studies and research, leading to qualifications such as M.Phil. or Ph.D. Upon successful completion of the M.Com. programme, students can qualify for teaching roles by clearing the UGC-NET/JRF in Commerce.

Additionally, this course is highly suitable for those aspiring to pursue professional certifications such as Chartered Accountancy (ICAI), Cost and Works Accountancy (ICWA), Cost Management Accountancy (ICMAI), Company Secretary (ICSI), or Chartered Financial Analyst (CFA).

The following are some other areas/sectors where M. Com. Students can aim for a rewarding career option –

- Various Public and Private Business Organizations in their Finance, Marketing, Research & Development and Human Resource Department etc. Research Associates with Economic Consultancy Firms
- Income Tax Department
- Customs Department
- Foreign Trade Companies
- State Public Service Commissions.
- UPSC (Indian Civil Services, Indian Economic Services, Indian Statistical Services)
- Mutual Funds/NBFCs/Banking/Insurance Industry
- E-Commerce Services/Online/Retail/FMCG Sector.

List of Courses in M.Com. (100 Credits)

FIRST SEMESTER

Course Code	Course Title	Nature of Course	Credit
COM81OE00104	Environmental, Social Governance and Sustainability	**Open Elective**	4
COM81DC00204	Human Resource Management	**Core**	4
COM81DC00304	Managerial Accounting	**Core**	4
COM81DC00404	Information Technology in Business	**Core**	4
COM81DC00504	Quantitative Techniques and Statistics	**Core**	4
COM81ME00602	Human Values and Ethics	**Mandatory Elective Non-Credit (I)**	2

SECOND SEMESTER

Course Code	Course Title	Nature of Course	Credit
COM82DC00704	Managerial Economics	**Core**	4

COM82DC00804	Principles of Banking and Insurance	**Core**	4
COM82DC00904	Marketing Management	**Core**	4
COM82DE01004	Entrepreneurship and Small Business Management	**Core Elective**	4
COM82DC01104	Financial Decision Making	**Core**	4
COM82ME 01202	Yoga Health and Mental Wellbeing	**Mandatory Elective Non-Credit (II)**	2

THIRD SEMESTER
(Finance and Accounting)

Course Code	Course Title	Nature of Course	Credit
COM83OE11304	Personal Finance	**Open Elective**	4
COM83DE11404	Financial Market Operations	**Core Elective**	4
COM83DE11504	Working Capital Management	**Core Elective**	4
COM83DC11604	Strategic Financial Management	**Core**	4
COM83DC11704	Financial Research/ Dissertation	**Core**	4
COM83ME11802	National Service Schemes (NSS)/Internship	**Mandatory Elective Non-Credit (III)**	2

FOURTH SEMESTER
(Finance and Accounting)

Course Code	Course Title	Nature of Course	Credit
COM84DC11904	Corporate Tax Planning and Management	**Core**	4
COM84DC12004	Goods and Services Tax	**Core**	4
COM84DE12104	Risk Management and Financial Derivatives	**Core Elective**	4
COM84DE12204	International Finance	**Core Elective**	4
COM84DC12304	Security Analysis and Portfolio Management	**Core**	4

Course Code	Course Title	Nature of Course	Credit
COM84ME12402	National Cadet Corps (NCC)/ Soft Skill	**Mandatory Elective Non-Credit (III)**	2

THIRD SEMESTER
(Human Resource Management)

Course Code	Course Title	Nature of Course	Credit
COM83OE22504	Leadership Development	**Open Elective**	4
COM83DC22604	Industrial Relations in India	**Core**	4
COM83DE22704	Strategic Human Resource Management	**Core Elective**	4
COM83DE22804	Personal and Professional Skills Development	**Core Elective**	4
COM83DC22904	Human Resource Management Research	**Core**	4
COM83ME23002	National Service Schemes (NSS)/ Internship	**Mandatory Elective Non-Credit (III)**	2

FOURTH SEMESTER
(Human Resource Management)

Course Code	Course Title	Nature of Course	Credit
COM84DC 23104	Laboure Legislation in India	**Core**	4
COM84DC23204	Laboure welfare and Social Security	**Core**	4
COM84DE 23304	Compensation Management and Human Resource Analytic	**Core Elective**	4
COM84DC23404	Organizational Behavior	**Core**	4
COM84DE23504	Talent and Performance Management	**Core Elective**	4
COM84ME23602	National Cadet Corps (NCC)/ Soft Skill	**Mandatory Elective Non-Credit (III)**	2

THIRD SEMESTER
(Marketing Management)

Course Code	Course Title	Nature of Course	Credit
COM83OE33704	Consumer Behavior	**Open Elective**	4

Course Code	Course Title	Nature of Course	Credit
COM83DE33804	Marketing of Services	**Core Elective**	4
COM83DC33904	Sales Management	**Core**	4
COM83DE34004	Customers Relationship Management	**Core Elective**	4
COM83DC34104	Marketing Research/ Dissertation	**Core**	4
COM83ME34202	National Service Schemes (NSS) / Internship	**Mandatory Elective Non-Credit (III)**	2

FOURTH SEMESTER
(Marketing Management)

Course Code	Course Title	Nature of Course	Credit
COM84DC34304	Advertising and Promotion Management	**Core**	4
COM84DC 34404	Agricultural Marketing	**Core**	4
COM84DC 34504	Industrial Marketing	**Core**	4
COM84DE34604	International Marketing	**Core Elective**	4
COM84DE34704	Digital Marketing	**Core Elective**	4
COM84ME34802	National Cadet Corps (NCC) / Soft Skill	**Mandatory Elective Non-Credit (III)**	2

THIRD SEMESTER
(Banking and Insurance)

Course Code	Course Title	Nature of Course	Credit
COM83OE 44904	Essential of Bank Management	**Open Elective**	4
COM83DC45004	Banking Laws and Practices in India	**Core**	4
COM83DE45104	Essential of Riske and Insurance Management	**Core Elective**	4
COM83DE45204	Insurance Legislation in India	**Core Elective**	4
COM83DC45304	Digital Banking	**Core**	4

Course Code	Course Title	Nature of Course	Credit
COM83ME45402	National Service Schemes (NSS)/ Internship	**Mandatory Elective Non-Credit (III)**	2

FOURTH SEMESTER
(Banking and Insurance)

Course Code	Course Title	Nature of Course	Credit
COM84DC45504	Fund Management in Banking and Insurance Sector	**Core**	4
COM84DE45604	Indian Banking System	**Core Elective**	4
COM84DC45704	Life Insurance Management	**Core**	4
COM84DC45804	General Insurance Management	**Core**	4
COM84DE45904	International Banking Management	**Core Elective**	4
COM84ME46002	National Cadet Corps (NCC)/ Soft Skill	**Mandatory Elective Non-Credit (III)**	2

BASKET OF CORE ELECTIVE COURSE
Course Structure
SECOND SEMESTER

Course Code	Course Title	Nature of Course	Credit
COM82DE06104	Social Entrepreneurship	**Core Elective**	4
COM82DE06204	Cultural Studies Swayam Course	**Core Elective**	4
COM82DE06304	Disaster Management	**Core Elective**	4
COM82DE06404	Critical Thinking (Swayam)	**Core Elective**	4
THIRD SEMESTER (FINANCE AND ACCOUNTING)			
COM83OE 16504	Behavioral Finance	**Open Elective**	4
COM83DE16604	Operations Research	**Core Elective**	4
COM83DE16704	Financial Services	**Core Elective**	4
COM83DE16804	Management Information System	**Core Elective**	4

	FOURTH SEMESTER **(FINANCE AND ACCOUNTING)**		
COM84DE16904	Environment Natural Resource and Sustainable Development Sawayam Course 3911	**Core Elective**	4
COM84DE17004	Business Environment	**Core Elective**	4
COM84DE 17104	Corporate Governance and Social Responsibility	**Core Elective**	4
	THIRD SEMESTER **(HUMAN RESOURCE)**		
COM83DE 27204	Knowledge Management	**Core Elective**	4
COM83DE27304	Environment Natural Resource and Sustainable Development Sawayam Course	**Core Elective**	4
COM83DE27404	Organizational Theory	**Core Elective**	4
	FOURTH SEMESTER **(HUMAN RESOURCE)**		
COM84DE27504	Business Environment	**Core Elective**	4
COM84DE27604	Managing Innovation	**Core Elective**	4
COM84DE27704	Mind Education	**Core Elective**	4
COM84DE27804	Stress Management and Managerial Counseling	**Core Elective**	4
	THIRD SEMESTER **(MARKETING)**		
COM83DE 37904	Cultural Studies Swayam Course No. 4258	**Core Elective**	4
COM83DE 38004	Disaster Management	**Core Elective**	4
COM83DE 38104	Soft Skill for Business Negotiation and Marketing Strategy (Swayam)	**Core Elective**	4
	FOURTH SEMESTER **(MARKETING)**		
COM84DE 38204	Critical Thinking Swayam 3912	**Core Elective**	4
COM84DE 38304	Environment Natural Resource and Sustainable development Sawayam course 3911	**Core Elective**	4
COM84DE 38404	Product and Brand Management	**Core Elective**	4

	THIRD SEMESTER (BANKING AND INSURANCE)		
COM83DE 48504	Cultural Studies Swayam Course No. 4258	Core Elective	4
COM83DE 48604	Disaster Management	Core Elective	4
	FOURTH SEMESTER (BANKING AND INSURANCE)		
COM84DE 48704	Critical Thinking Swayam 3912	Core Elective	4
COM84DE 48804	Environment Natural Resource and Sustainable Development Sawayam Course 3911	Core Elective	4

Ph.D. in Commerce

The Department of Commerce and Business Studies offers a Ph.D. program with specializations in diverse fields, including Finance, Accounting, Marketing, Human Resource Management, International Business, and other allied areas. The program aims to equip students with advanced skills necessary for identifying and conducting in-depth research on complex issues in commerce and business studies.

Through rigorous empirical studies and investigations, students are trained to systematically address relevant contemporary challenges in business and industry. The program's research output holds significant value for academics, industry practitioners, and policymakers alike.

Core courses within the program are designed to inspire students to undertake comprehensive and meticulous research, ultimately contributing to the enrichment of existing knowledge in the field.

List of Courses in Ph.D. Commerce

Course Code	Course Title and Course Instructor	Credits
COM 901	Research Methodology	4
COM 902	Methods, Tools and Techniques of Business Research	4
COM 903	Science, Art and Practice of Research Writing	4
COM 904	Research & Publication Ethics	2
	Total	12

Brief Profile of Faculty Members

	Prof. Brajesh Kumar, Professor, Head **Specialization:** Business Finance, Business Economics Development Finance, Welfare Finance		**Dr Subramanian Shanmugam,** Professor & Dean **Specialization:** Accounting & Finance, Banking &Financial Services, Marketing of Services

	Dr. Rajanarayanan S Associate Professor *Specialization: Financial Management, Derivatives, and Corporate Finance*		**Dr. Rachana Vishwakarma,** Assistant Professor **Specialization:** Finance and Corporate Governance
	Dr. Pradip Ram, Assistant Professor **Specialization:** Accounting and Finance		**Ms. Renu** Assistant Professor **Specialization:**Human Resource Management
	Dr. Pawas Kumar, Assistant Professor **Specialization:** Human Resource Management		

SCHOOL OF MATHEMATICS, STATISTICS & COMPUTER SCIENCE

Department of Mathematics

Mathematics, Statistics, and Computer Science have been pivotal in shaping modern civilization, serving as the foundation that perfects all sciences. The school's vision is to deliver quality education while fostering interdisciplinary research through collaboration among these three disciplines and their integration with other areas of knowledge.

The school comprises three departments: the Department of Mathematics, the Department of Statistics, and the Department of Computer Science. Together, these departments are setting a new standard in interdisciplinary studies. They not only focus on educating and training their own students but also support other disciplines by offering specialized and regular courses. This approach equips students with essential skills to address academic and technical challenges effectively.

Five Years Integrated UG-PG Programme in Mathematics (NEP 2020)

Introduction:

This programme provides students with the flexibility to select subjects that align with their interests while offering a wide range of opportunities to pursue diverse career goals. Its primary objective is to equip students with the necessary skills to excel in research, teaching, and management across various settings and organizations.

The Integrated curriculum is designed to offer students a focused and cohesive approach to studying their chosen discipline within a multidisciplinary framework. Notably, this programme allows students to earn degrees, certificates, and diplomas—depending on the structure—all within a unified framework built around an outcome-based learning methodology.

This programme is structured under the "Ordinance Governing Five-Year Integrated UG-PG Programme-2024" and aims to set a benchmark in interdisciplinary education as envisaged by the Central University of South Bihar.

Program Educational Objectives (PEOs):

1. Provide an opportunity to student for multiple exit and entry.
2. To provide students with a strong foundation in mathematical, scientific fundamentals so as to comprehend, analyse, design and create solutions for automation of real-life processes.
3. The core courses have been designed to encourage scientific approach and problem-solving abilities.
4. To equip students with a broader knowledge base and to develop overall personality by minor courses, skill enhancement courses, multidisciplinary courses, ability enhancement courses and value-added courses.
5. To inculcate in students' professional and ethical attitude, effective communication skills, leadership, team work skills, multidisciplinary approach, and an ability to relate application-based issues to broader social context.
6. To provide student with an academic environment with awareness of excellence, and the life-long learning needed for a successful professional career.
7. To give an essence of research work for excellence in specific areas through dissertation and internship.

Program Outcomes (POs)

1. Fulfil the objectives of New Education policy 2020 and provide multiple entry and exit option to students.
2. Prepare skilled scholars for Academics and Research
3. An ability to identify, formulate and solve real world problems.

4. An understanding of professional and ethical responsibility.
5. An ability to communicate effectively.
6. Understanding of Indian knowledge system.
7. Knowledge of contemporary issues.
8. An ability to use the techniques, skills and modern Mathematical tools necessary for application-based practices.
9. An ability to design and develop principles for solving complex problems of Mathematics.

Minimum Eligibility for admission

Eligibility criteria for the integrated course are given below: -

1. The student should have passed class 12 from a recognized board
2. Mathematics must be one of the subjects studied by the student in class 12.
3. Candidates must appear in CUET with Mathematics in the subject combination. Merit will be based on the CUET scores.

S.No.	Nature of Course	Course Code	Course Title	Credits
			Course Structure	
			Semester I	
1.	Major* (*minor for other discipline)	MTH51MJ00104	Differential Calculus	4
2.	Minor		From other Departments	4
3.	Multidisciplinary Course		From other Departments/Swayam or	3
		MTH51MD00203	Trigonometry and Theory of Equations (For other Departments)	
4.	Ability Enhancement		From other Departments/Swayam	2

			Course		
5.	Skill Enhancement Course	MTH51SE00303	MATLAB /From other Departments/Swayam		3
6.	Value Added Course	MTH51VA00402	History of Mathematics in India 1		2
			or		
			From other Departments/Swayam		
7.	Value Added Course		From other Departments/Swayam		2
	Total Credits				20
	*This course is minor for students of other departments				
	Semester II				
1	Major* (*minor for other discipline)	MTH52MJ00504	Analytical Geometry and Tensor		4
2.	Minor		From other Departments		4
3.	Multidisciplinary Course		From other Departments/Swayam		3
		MTH52MD00603	Matrix Theory (For other Departments)		
4.	Ability Enhancement Course		From other Departments/Swayam		2
5.	Skill Enhancement Course	MTH52SE00703	LaTeX		3
			or		
			From other Departments/Swayam		
6.	Value Added Course	MTH52VA00802	History of Mathematics in India 2		2

			From other Departments/Swayam	
7.	Value Added Course		From other Departments/Swayam	2
		Total Credits		**20**
	*This course is minor for students of other departments			
	Summer Internship A	For those who want to Exit		4
		Semester III		
1.	Major* (*minor for other discipline)	MTH61MJ00904	Real Analysis 1	4
2.	Major* (*minor for other discipline)	MTH61MJ01004	Ordinary Differential Equations	4
3.	Minor		From other Departments	4
4.	Multidisciplinary Course		From other Departments/Swayam or	3
		MTH61MD01103	Sets, Relations and Functions (For other Departments)	
5.	Ability Enhancement Course		From other Departments/Swayam	2
6.	Skill Enhancement Course		From other Departments/Swayam	3
		Total		**20**

			*This course is minor for the students of other departments of odd semesters	

			Semester IV	
1.	Major* (*minor for other discipline)	MTH62MJ01204	Basic Linear Algebra	4
2.	Major* (*minor for other discipline)	MTH62MJ01304	Real Analysis II	4
3.	Major* (*minor for other discipline)	MTH62MJ01404	Probability and Probability Distributions	4
4.	Major	MTH62MJ01502	Elementary Number Theory	2
5.	Minor		From other Departments	4
6.	Ability Enhancement Course		From other Departments/Swayam	2
			Total	**20**
		*This course is minor for the students of other departments of even semesters		
	Summer Internship B	For those who want to Exit		4
			Semester V	
1.	Major* (*minor for other discipline)	MTH71MJ01604	Introduction to Group Theory	4
2.	Major* (*minor for other	MTH71MJ01704	Multivariate Calculus	4

			discipline)		
3.	Major* (*minor for other discipline)	MTH71MJ01804	Statics	4	
4.	Major	MTH71MJ01904	Metric Space	2	
5.	Internship			2	
6.	Minor		From other Departments	4	
			Total	**20**	

*This course is minor for the students of other departments of odd semesters

			Semester VI		
1.	Major* (*minor for other discipline)	MTH72MJ02004	Numerical Methods	4	
2.	Major* (*minor for other discipline)	MTH72MJ02104	Introduction to Rings and Fields	4	

3.	Major* (*minor for other discipline)	MTH72MJ02204	Dynamics	4
4.	Major* (*minor for other discipline)	MTH72MJ02304	Complex and Partial Differential Equations	4
5.	Minor		From other Departments	4
			Total	20

*This course is minor for students of other departments of even semesters

Semester VII				
1.	Major* (*minor for other discipline)	MTH81MJ02404	Linear Algebra	4
2.	Major* (*minor for other discipline)	MTH81MJ02504	Real Analysis	4
3.	Major* (*minor for other discipline)	MTH81MJ02604	Discrete Mathematics	4
4.	Major* (*minor for other discipline)	MTH81MJ02704	ODE and Laplace Transformation	4
5.	Minor		From other Departments	4
			Total	**20**

*This course is minor for students of other departments of odd semesters

			Semester VIII (without Project)		
1.	Major* (*minor for other discipline)	MTH82MJ02804	Topology		4
2.	Major* (*minor for other discipline)	MTH82MJ02904	Advanced Numerical Analysis		4
3.	Major* (*minor for other discipline)	MTH82MJ03004	Operations Research and Statistics		4
4.	Major (*minor for other discipline)	MTH82MJ03104	Measure and Integration		4
5.	Minor		From other Departments		4
			Total		20
*This course is minor for the students of other departments of even semesters					
			Semester VIII (with Project)		
1.	Major	MTH82MJ02804	Topology		4
2.	Project	MTH82MJ03212			12
3.	Minor				4
			Total		**20**

			Semester IX		
1.	Major	MTH91MJ03304	Complex Analysis	4
2	Major	MTH91MJ03404	Algebra 1	4
3	Major	MTH91MJ03504	Functional Analysis	4
4	Major	MTH91MJ03604	Partial Differential Equations and Fourier Analysis	4
5.	Major	MTH91MJ03704	Algebra II	4
			Total	**20**
			Semester X	
1.	Major		Elective 1/Swayam	4
2	Major		Elective 2/Swayam	4
3	Major		Elective 3/Swayam	4
4	Major		Swayam	4
5	Major		Swayam	4
			Total	**20**
			OR	
1.	Project	MTH92MJ03820		20

M.Sc. / M.A.in Mathematics

Objectives:

The two-year postgraduate programme, comprising four semesters, is designed to train students in the fundamental fields of Mathematics. It aims to foster creative thinking, deepen understanding of core concepts, and enhance problem-solving abilities, thereby equipping students with professional competence in Mathematics.

The courses are thoughtfully structured to provide a systematic and methodical learning experience under the expert guidance of the faculty and the supportive environment of the university. Upon successful completion of the programme, students will find numerous career opportunities available to them.

With a diverse range of elective courses offered in the 3rd and 4th semesters, students can tailor their education to pursue a career in research, teaching, or industry.

The Programme has following features:

I.   A balanced blend of foundational, core and specialized courses.
II. Ample scope for enhanced interactive teaching in view of the relatively small student teacher ratio.
III. Extensive choice of elective courses enabling the student to specialize in various existing and emerging streams of Pure and Applied Mathematics.
IV. Option to choose some of the open elective courses offered by sister departments such as Statistics and Computer Science.

Program Outcomes:

I.   Equip students in the skills to analyse problems, formulate on hypothesis, evaluate and draw reasonable conditions thereof.
II. Prepare student for pursuing the career in research and industry.
III. Acquire relevant knowledge and skills required to become a professional.
IV. Aware the students for contributing the society with their mathematical skills. Student will be able to apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.
V.   Students will be able to crack lectureship and fellowship exams approved by UGC like CSIR – NET and SET. Students will learn theoretically and applied practically through projects

Eligibility:

Bachelor's Degree from any recognised University in Mathematics/Statistics but should have studied Mathematics as subject in all the 3 years with a minimum of 55% marks for General/ OBC candidates and 50% marks for SC/ST candidates.

Course Structure of M.Sc. /M.A. Mathematics (80 Credits):

Course Structure				
S.No.	Nature of Course	Course Code	Course Title	Credits
Semester I				
1.	DBCC	MTH81DC00104	Real Analysis	4
2.	DBCC	MTH81DC00204	Linear Algebra	4

3.	DBCC	MTH81DC00304	Ordinary Differential Equations and Laplace Transform	4
4.	DBCC: Skill Enhancement	MTH81DC00404	Discrete Mathematics	4
5.	OEIC		From other department of CUSB/SWAYAM course	4
6.	MENC	MTH81ME00500	Introduction to Matlab	0
	Total Credits			20
Semester II				
7.	DBCC	MTH82DC00604	Complex Analysis and Functions of Several Variables	4
8.	DBCC	MTH82DC00704	Topology	4
9.	DBCC	MTH82DC00804	Algebra I	4
10.	DBCC: Vocational Studies	MTH82DC00904	Applied Mathematical Tools	4
11.	DBCC	MTH82DC01004	Research Methodology	4
12.	MENC	MTH82ME01100	Introduction to Latex	0
	Total Credits			20
	Semester III			
13.	DBCC	MTH91DC01204	Measure and Integration	4
14.	DBCC	MTH91DC01304	Algebra II	4
15.	DBCC	MTH91DC01402	Development of Mathematics in India	2
16.	DBCC	MTH91DC05502	Human values and professional Ethics	2
17.	DBCE		Any offered Course From Table 1//SWAYAM course	4
18.	OEIC			4
	Total			**20**

Semester IV				
19	DBCC	MTH92DC01604	Partial Differential Equations and Fourier Analysis	4
20.	DBCC	MTH92DC01704	Functional Analysis	4
21.	DBCC	MTH92DC01804	Numerical Methods and Statistics	4
22.	DBCC	MTH92DC01904	Project	4
23.	DBCE		Any offered Course From Table 2/SWAYAM course	4
			Total	**20**

Table 1: List of Discipline Based Core Elective Courses (DBCE) For Sem III

S.No.	Course Code	Course Title	Credits
24.	MTH91DE02004	Calculus of Variations and Integral Equations	4
25.	MTH91DE 02104	Commutative Algebra	4
26.	MTH91DE02204	Differential Geometry	4
27.	MTH91DE02304	Fluid Mechanics	4
28.	MTH91DE02404	Graph Theory	4
29.	MTH91DE02504	Group Theory	4

30.	MTH91DE02604	Introduction to Finite Fields and Coding Theory	4
31.	MTH91DE02704	Mechanics	4
32.	MTH91DE02804	Number Theory	4
33.	MTH91DE02904	Numerical Solution to PDE	4
34.	MTH91DE03004	Operations Research	4
35.	MTH91DE03104	Wavelet Analysis	4
Table 2: List of Discipline Based Core Elective Courses (DBCE) For Sem IV			
36.	MTH92DE03204	Algebraic Geometry	4
37.	MTH92DE03304	Algebraic Number Theory	4
38.	MTH92DE03404	Algebraic Topology	4
39.	MTH92DE03504	Distribution Theory	4
40.	MTH92DE03604	Lie Algebras	4
41.	MTH92DE03704	Mathematical Cryptography	4
42.	MTH92DE03804	Numerical Methods with Programming	4
43.	MTH92DE03904	Operator Theory	4
44.	MTH92DE04004	Representation theory of Finite Groups	4
45.	MTH92DE04104	Semigroup Theory	4
46.	MTH92DE04204	Spectral Graph Theory	4

Ph.D. in Mathematics:

Objectives of the Program:

The Ph.D. programme offered by the Department of Mathematics focuses on fostering innovative research in Mathematics and Mathematical Sciences. It aims to strengthen research infrastructure and promote new academic and industry collaborations through well-designed policies.

The Department actively encourages researchers to undertake high-level, analysis-based studies, equipping them to make meaningful contributions to society through their research outcomes.

Program Outcomes:
(i)   Develop capabilities in critical intellectual inquiry.
(ii) Develop Ph.D. scholars' scientific culture.
(iii) Prepare their future career prospects in academics, research etc.
(iv) Encourage their international prospects.

Course Structure

Course Code	Course Title	Credit
MTH101DC00104	Research Methodology	4
MTH101DC00304	Tools & Techniques of Research in Mathematics	4
MTH101DC00404	Preparation and presentation of Research Proposal	4
MTH101DC00202	Research and Publication Ethics	2

Brief Profile of Faculty Members

	Prof. H. K. Nigam Professor Ph.D. (Harcourt Butler Technological Institute, Kanpur) Specialization: Approximation Theory, Fourier Analysis, Summability and Wavelets and Compressive Sensing		**Dr. Roushan Kumar** Professor Ph.D. (IITBHU, Varanasi) Specialization: Wave Propagation in Thermoelastic Media, Thermoelastic damping, Variational Principle in thermo elasticity, Thermoelastic Damping.
	Prof. J P Singh Professor & Head Ph.D. (BHU, Varanasi) Specialization: Differential Geometry of Manifolds		**Dr. Rajesh Pratap Singh** Associate Professor, Ph.D. (IIT Guwahati), PostDoc (ISI Kolkata) Specialization: Finite Fields, Combinatorics and Cryptography
	Dr. Vivek Kumar Jain Associate Professor, D.Phil (University of Allahabad), PostDoc (HRI, PrayagRaj) Post-Doctoral Fellowship Specialization: Group Theory		**Dr. Shubh Narayan Singh** Assistant Professor Ph.D. (IIT Guwahati) Specialization- Algebraic Automata Theory, Algebraic Graph Theory, Semigroup Theory, Group Theory.
	Dr. Pankaj Mishra Assistant Professor PhD (BHU, Varanasi) Specialization- Fluid Dynamics, Thermal stability in fluid flows, Differential Equations		

Department of Statistics

Established in 2010, the Department of Statistics is dedicated to providing a dynamic and stimulating learning environment for students pursuing careers in core and interdisciplinary areas of statistics. The Department emphasizes a deep understanding of fundamental concepts while fostering analytical skills to solve real-world problems. Additionally, it encourages participation in extracurricular and co-curricular activities, vital for personal growth, teamwork, and organizational skills.

Classroom teaching is complemented by a continuous evaluation system to monitor and assess students' progress. The Department boasts a well-equipped computer laboratory with high-speed internet access and advanced software tools, including Minitab, SPSS, R, MATLAB, and WEKA. With a setup of 50 computer terminals, the lab meets the computational needs of students effectively.

Upon successful completion of the programme, graduates are well-prepared to embark on careers in research, teaching, or industry.

Five-Year Integrated UG-PG Programme in Statistics

Objectives:

The Five-Year Integrated UG-PG Programme in Statistics is designed to cultivate both theoretical and practical expertise in the field. Graduates of the programme will be equipped to formulate statistical problems and analyze them using appropriate methods and statistical computing software. Additionally, the programme enhances students' understanding of statistical concepts and their applications across business, government, and academic domains.

Through its thoughtfully curated curriculum, in-person teaching, computer lab sessions, and evaluation system, the programme emphasizes the use of statistics in diverse fields such as Data Science, Data Mining, and Social Sciences. This comprehensive approach aims to broaden students' employment prospects while preparing them for competitive examinations and dynamic career opportunities.

Learning outcomes of programme:

After the completion of Five Year Integrated UG-PG Programme in Statistics, students will learn:

- basic and advanced core statistical concepts related to Distribution Theory, Probability and Measure Theory, and Statistical Inference
- the art of gathering information by sampling through the course- Survey Sampling Vital and health statistics and National Development Statistics
- statistical modelling and inferential techniques through the courses- Linear Models and Regression Analysis, and Multivariate Analysis
- to utilize statistical software-R, Python, SPSS, and Minitab to manage, explore, model, and analyse data through the courses- Statistical Computing with R, Computer Applications in Statistics-I, II, III, & IV.
- to carry out applications of statistical tools in the form of dissertations
- to understand the essentials of carrying out research through the course- Research methodology
- to learn software writing skills, Indian contributions to Statistics, etc. with some mandatory non-credit courses.

Students also have the opportunity to explore advanced concepts in experimental, exploratory, modeling, inferential, and decision-making techniques through mandatory elective courses offered under the programme. These electives include topics such as Demography, Design of Experiments, Survival Analysis, Bayesian Inference, and Data Mining and Business Analytics. Additionally, students can delve into specialized areas like Data Mining with Python, Stochastic Processes, Nonlinear Models, Spatial Data Analysis, and Categorical and Directional Data Analysis. Courses such as Statistical Processes and Quality Control, Time Series and Forecasting, and Operations Research further equip students with essential skills to address diverse challenges in real-world applications.

These electives are thoughtfully designed to enhance both academic expertise and technical proficiency, ensuring students are well-prepared to tackle complex problems and advance their careers.

Academic, Personal, and Behavioral Competencies:

➢ This programme shall enable students to acquire solid theoretical and applied knowledge of Statistics, enhancing their employability in academic and research settings as well as in the public and private sectors.
➢ The department has abilities necessary to support the nation's economic development and the process of nation building.
➢ Some of the courses under the programme will aid in the students' personal growth and teach them to better comprehend their own perspectives on gender, national and international social concerns, and morality and ethics.
➢ Students would develop cultural sensitivity, especially in our enriched Indian traditions, values, etc.

Social Competencies:

➢ Having a firm understanding of professional ethics and applying them in practice
➢ Developing a commitment to Public health and well-being at different levels- personal, group, and community
➢ Recognizing current social issues from a demographic viewpoint and offering some remedies

Programme Eligibility:

The eligibility conditions for admission into **Five Year Integrated UG-PG Programme in Statistics** degree program shall be as follows:

10+2 or equivalent examination in any science stream with Mathematics as a subject from any recognized Board/ University with at least 50% marks for General/OBC and 45% marks for SC / ST/PWD candidates.

However, the eligibility conditions for admission into the **Five Year Integrated UG-PG Programme in Statistics** and intake of the program shall be directed by the University Admission, Teaching and Evaluation Committee (UATEC) from time to time.

"Multiple exit and entry criteria" is as per the ordinance Governing the Five Year Integrated UG-PG Programme: Science, Arts and Commerce-2024 or its revision which will occur time to time.

Different levels of Multiple Entry and Exist System and its credits requirements:

SN	Entry Points	Basic Eligibility	Mode of entrance
1	Semester -I	10+2 or equivalent examination in any science stream with Mathematics as a subject from any recognized Board/ University with at least 50% marks for General/OBC and 45% marks for SC / ST/PWD candidates.	Common Entrance Test organized by the University or any recognized body
2	Semester-III	40 credits with a UG certificate	Counseling- Cum- interaction comprising 100 marks
3	Semester-V	80 Credits with a two Year UG Diploma	Counseling- Cum- interaction comprising 100 marks
4	Semester-VII	120 Credits with a Degree of Bachelor in Arts/ Science	Counselling- Cum- interaction comprising 100 marks
5	Semester-IX	160 Credits with a Degree of Bachelor in Arts/	Counseling- Cum- interaction

		Science with Research	comprising 100 marks

Intake: As per the decision of the University (CUSB, Gaya)

Award of the degree after this completion of the program/ Award of the certificate/ Diploma/Degree along with multiple exist options:

SN	Exit Points	Prerequisites	Qualification title	NHEQF level
1	After completion of Semesters 1 & 2	Earning of 40 credits along with an exist 4 credit skill enhancement course	UG certificate in Statistics	Level 4.5
2	After completion of semesters 1,2,3&4	Earning of 80 credits along with an existing 4 credit skill enhancement course	UG Diploma in Statistics	Level 5
3	After completion of semesters 1-6	Earning of 120 credits	**B.A./B.Sc. In Statistics***	Level 5.5
4	After completion of semesters 1-8	Earning of 160 credits	B.A./B.Sc. In **Statistics** with Honours/ Research*	Level 6
5	After completion of semesters 1-10	Earning of 200 credits	**M.A./M.Sc. (Integrated) in Statistics**	Level 6.5
6	After completion of semesters 7,8,9,10	80 credits	Two Year M.A./M.Sc. in **Statistics** **	Level 6.5
7	After completion of semesters 7 &8	40 credits	PG Diploma in **Statistics**	Level 6
8	After completion of semesters 9 & 10	48 credits	One year M.A./M.Sc. in **Statistics** **	Level 6.5

*Student shall receive degrees in such streams Science or Arts in which s/he earns credits more than 50 % out of total credits to be earned in minor subjects opted by him or her.

** Student shall receive degrees in such streams Science or Arts in which s/he earns credits more than 50 % out of total credits to be earned in minor subjects opted by him or her or at entry level having a degree in Arts or Science whichever is applicable. However, Departmental Committee (DC) will take rights to decide the nature of opted minor subjects, in case of any discrepancy related to nature of the stream.

Semester-wise Courses and Credit Distribution

Semester	Subject Code	Title	Course Type	L+T+P	Credit
I	STS51MJ00104	Descriptive Statistics and Probability	Major	3+1+0	4
	STS51MJ00104	Descriptive Statistics (for other department)	Minor	3+1+0	4
	STS51MD00203	Elementary Statistics	Multidisciplinary	3+0+0	3
		From other department/SWAYAM[$$]	AEC	2+0+0	2
	STS51SE00303	Statistical Computing-I	SEC	0+0+3	3
	STS51VA00402	Contributions of Indian Statistician/SWAYAM[$$]	Value added	2+0+0	2
	STS51VA00502	National Development Statistics/SWAYAM[$$]	Value added	2+0+0	2
		Total Credit			**20**
II	STS52MJ00604	Advanced Probability Theory	Major	3+1+0	4
	STS52MJ00604	Advanced Probability Theory (for other department)	Minor	3+1+0	4
	STS52MD00703	Probability and Statistics	Multidisciplinary	3+0+0	3
		From other department/SWAYAM[$$]	AEC	2+0+0	2
	STS52SE00803	Statistical Computing-II	SEC	0+0+3	3
	STS52VA00902	Statistical Application Using Minitab/SWAYAM[$$]	Value added	2+0+0	2
		From other department/SWAYAM[$$]	Value added	2+0+0	2
		Total Credit			**20**
		Garand Total (Semester I & II)			**40**

The students on exit shall be awarded Undergraduate Certificate (in the Field of Study/Discipline) after securing the requisite 40 Credits in Semester 1 and 2 provided he/she should earn additional 4 credits through Summer Internship/ Fieldwork.

EXIT WITH UNDERGRADUATE CERTIFICATE IN STATISTICS

Semester	Subject Code	Title	Course Type	L+T+P	Credit
III	STS61MJ01004	Statistical Inference-I	Major	3+1+0	4

	STS61MJ01104	Probability Distribution	Major	3+1+0	4
	STS61MJ01104	Probability Distribution (For other department)	Minor	3+1+0	4
	STS61MD01203	Elementary Statistics	Multidisciplinary	3+0+0	3
		From other Department/SWAYAM[$$]	AEC	2+0+0	2
	STS61SE01303	Statistical Computing-III	SEC	0+0+3	3
	Total Credit				20
IV	STS62MJ01404	Statistical Inference-II	Major	3+1+0	4
	STS62MJ01504	Sampling Techniques	Major	3+1+0	4
	STS62MJ01604	Applied Statistics	Major	3+1+0	4
	STS62MJ01702	Statistical Computing-IV	Major	0+0+2	2
	STS62MJ01504	Sampling Techniques (For other department)	Minor	3+1+0	4
		From other Department/SWAYAM[$$]	AEC	2+0+0	2
	Total Credit				20
Exit with UG Diploma					
Exit with 4 credit skills enhancement course: Summer internship/Fieldwork					
Grand Total (Semester I, II, III and IV)					**80 Credits**

The students on exit shall be awarded Undergraduate Diploma (in the Field of Study/Discipline) after securing the requisite 80 Credits on completion of Semester IV provided they he/she should earn additional 4 credits through Summer Internship/ Fieldwork offered during First Year or Second Year summer term.

EXIT WITH DIPLOMA IN STATISTICS with specialization in Statistical Computing and Data Analysis					
V	STS71MJ01804	Statistical Methods	Major	3+1+0	4
	STS71MJ01904	Vital and Health Statistics	Major	3+1+0	4

	STS71MJ02004	Introduction to R and SPSS	Major	3+1+0	4
	STS71MJ02102	Statistical Computing-V	Major	0+0+2	2
	STS71MJ02004	Introduction to R and SPSS (For other department)	Minor	3+1+0	4
	STS71MJ02202	Internship$	Major	0+1+1	2
		Total Credit			20
VI	STS72MJ02304	Operations Research	Major	3+1+0	4
	STS72MJ02404	Introduction to Reliability Theory	Major	3+1+0	4
	STS72MJ02504	Time Series and Index Number	Major	3+1+0	4
	STS72MJ02604	Statistical Computing-VI	Major	0+0+4	4
	STS72MJ02504	Time Series and Index Number (For other department)	Minor	3+1+0	4
		Total Credit			20

Grand Total (Semester I, II, III and IV, V and VI)	**120**

The students on exit shall be awarded a Bachelor's Degree

Exit with Bachelor's degree in Statistics (B.Sc./B.A. Statistics)

*A student shall be eligible for the award of a Bachelor's Degree in Statistics after successful completion of 120 credits from semester 1 to semester 6. No summer internship or Fieldwork of additional 4 credits will be required to achieve this award (ordinance page no 19).

	STS81MJ02704	Distribution Theory and Nonparametric Statistics	Major	3+1+0	4
	STS81MJ02804	Advanced Sampling Techniques	Major	3+1+0	4
VII	STS81MJ02904	Statistical Computing with R Language	Major	3+1+0	4
	STS81MJ03004	Computer Application in Statistics-I	Major	0+0+4	4
	STS81MJ02904	Statistical Computing with R Language (For other department)	OEIC (Minor)	3+1+0	4
		Total Credit			20
VIII	STS82MJ03104	Advanced Statistical Inference	Major	3+1+0	4

	STS82MJ03204	Computer Application in Statistics-II	Major	0+0+4	**4**
X	STS82MJ03504	Demography (For other department)	OEIC (Minor)	3+1+0	**4**
		Elective-I	Major	3+1+0	**4**
		Elective-II	Major	3+1+0	**4**
		Total Credit			**20**
	OR (Provided students have secured at least 7.5 CGPA in the preceding semesters)				
	STS82MJ03612	UG-Project	Major	3+3+6	**12**
		Elective -I	Major	3+1+0	**4**
	STS82MJ03504	Demography (For other department)	OEIC (Minor)	3+1+0	**4**
		Total Credit			**20**
		Grand Total credits (Semester I-VIII)			**160**
	Exit with Degree of B.Sc./B.A. in Statistics with Honours/Research				

The students on exit shall be awarded Bachelor of (in the Field of Study/Discipline) with Honours/ Research (4 years) after securing the requisite 160 Credits on completion of Semester 8.

	STS91MJ03704	Research Methodology	Major	3+1+0	**4**
	STS91MJ03804	Multivariate Analysis	Major	3+1+0	**4**
	STS91MJ03904	Computer Application in Statistics-III	Major	0+0+4	**4**
IX		Elective-I	Major	3+1+0	**4**
		Elective-II	Major	3+1+0	**4**
		OR			
	STS91MJ04520	PG-Project-I	Major	5+5+10	**20**
		Total Credit			**20**
	Exit with post graduate diploma in Statistics				

(Research in IX semester is only for those students who want to earn 40 credits from the Research Project)

* Research projects in this semester will be carried out in the university.

X	STS92MJ04604	Computer Application in Statistics-IV	Major	0+0+4	**4**

	Elective-I	Major	3+1+0	**4**
	Elective-II	Major	3+1+0	**4**
	Elective-III	Major	3+1+0	4
	Elective-IV	Major	3+1+0	4
OR (Provided students have secured at least 7.5 CGPA in the preceding semesters)				
STS92MJ05420	PG-Project-II	Major	5+5+10	20
Total Credit				**20**

The two-year postgraduate programme, spanning four semesters, is designed to provide comprehensive training in both theoretical and applied aspects of Statistics, with a strong focus on computational methodologies. Students enrolled in the programme gain expertise in areas such as Demography, Statistical Quality Control, Business Analytics, Bayesian Statistics, Survey Sampling, Multivariate Analysis, Survival Analysis, and Operations Research, among others. Additionally, the programme offers students the flexibility to choose electives from sister departments, including the Department of Mathematics and the Department of Computer Science, allowing them to tailor their studies to their interests and aptitudes while enriching their academic experience.

List of Courses M.Sc./M.A. in Statistics (80 Credits) based on CBCS

Course Code	Course Title	Nature of Course	Credits
Semester-I			
STS81DC00104	Distribution Theory and Nonparametric Statistics	DBCC	4
STS81DC00204	Survey Sampling and National Development Statistics	DBCC	4
STS81DC00304	Statistical Computing with R Language	DBCC	4
STS81DC00404	Computer Applications in Statistics-I	DBCC	4
***	Elective –I (From other Departments)	OEIC	4
STS81ME00500	Fundamentals of Statistics	MENC	Non-Credit
Total Credits			**20**
Semester-II			
STS82DC00104	Linear Models and Regression Analysis	DBCC	4
STS82DC00204	Multivariate Analysis	DBCC	4
STS82DC00304	Statistical Inference	DBCC	4
STS82DC00404	Computer Applications in Statistics-II	DBCC	4
STS82DC00504	Research Methodology	DBCC	4
Total Credits			**20**
Semester-III			

STS91DC00104	Measure Theory and Probability	DBCC	4
STS91ME00200	Project (Part A nu)	MENC	Non-Credit
STS91DC00304	Computer Applications in Statistics-III	DBCC	4
STS91DE00404- STS91DE00904	Elective –II	DBCE	4
	Elective –III	DBCE	4
	Elective –IV (to be opted from other Departments)	OEIC	4
Total Credits			**20**
Semester-IV			
STS92DC00108	Project (Part B)	DBCC	8
STS92DC00204	Computer Applications in Statistics-IV	DBCC	4
STS92DE00304- STS92DE00904-	Elective-V	DBCE	4
	Elective-VI	DBCE	4
Total Credits			**20**
Grand Total			**80**

Semester-I Elective Basket (For Students of other Departments only) OEIC[1]

Course Code	Course Title	Credits
STS81OE00604	Statistical Data Analysis-I	4
STS81OE00704	Organizing and Visualizing Data	4
STS81DC00304	Statistical Computing with R Language	4

Semester-III Elective Basket (For Students of Statistics Departments) DBCE

Course Code	Course Title	Credits
STS91DE00404	Demography	4
STS91DE00504	Survival Analysis	4
STS91DE00604	Stochastic Processes	4
STS91DE00704	Bayesian Inference	4
STS91DE00804	Data Science and Business Analytics	4
STS91DE00904	Nonlinear Regression Models	4

Semester-III Elective Basket (For students of other Departments only) OEIC[1]

Course Code	Course Title	Credit
STS91OE01004	Statistical Data Analysis-II	4
STS91DE00404	Demography	4
STS91DE00804	Data Science and Business Analytics	4

Semester-IV-Elective Basket DBCE

Course Code	Course Title	Credits
STS92DE00304	Design of Experiments	4
STS92DE00404	Categorical and Directional Data Analysis	4
STS92DE00504	Time Series and Forecasting	4
STS92DE00604	Statistical Processes and Quality Control	4
STS92DE00704	Data Mining with Python	4
STS92DE00804	Operations Research	4
STS92DE00904	Spatial Data Analysis	4

List of Skill Based/Self Study Courses (Non-Credit) MENC[2]

Course Code	Course Title	Credits
STS82ME00600	LaTeX programming	Non-credit
STS82ME00700	Contribution of Indian Statisticians	Non-credit
STS82ME00800	Internship/Apprenticeship (Online/Offline)[3]	Non-credit
STS81MEXXX00	SWAYAM[4]	Non-credit

M.A/M.Sc. in Data Science and Applied Statistics Programme

In today's digitally interconnected world, data has become a vital asset for driving profit, transforming roles, and fostering progress across corporate, government, and non-government institutions. It serves as a powerful tool for improving quality of life and elevating living standards. Data Science offers a practical and unified platform to analyze and interpret patterns within this data to achieve these objectives.

The Master's programme in Data Science and Applied Statistics, offered by the Department of Statistics at the Central University of South Bihar in collaboration with the National Institute of Electronics and Information Technology (NIELIT), Patna, aspires to produce highly skilled data scientists. The programme aims to establish an institutional center of excellence within the University Campus, catering to the needs of ambitious students and business professionals seeking to harness the transformative power of data science.

Programme Eligibility:

Bachelor's Hons. Degree from any recognised University with Statistics/Bachelor's Degree with Statistics

Or

Bachelor's Hons. Degree in Mathematics with at least one paper in Statistics

Or

Bachelor's Hons. Degree in Computer Science with mathematics as a subject (At least one year) and at least one paper in Statistics.

With a minimum of 50 % marks for General/OBC candidates and 45% marks for SC/ST candidates in the qualifying degree.

COURSE STRUCTURE

The programme is a two-year, full-time course divided into four semesters. Students enrolled in the programme are required to complete 80 credits, which encompass coursework, laboratory sessions, dissertations, and more. The curriculum is structured in alignment with the National Education Policy (NEP)-2020 and includes core, elective, non-credit, and open elective courses.

The fourth semester is dedicated to industrial training and project work, which will be conducted by the National Institute of Electronics and Information Technology (NIELIT) at its Patna Campus.

Discipline-Based Core course (DBCC):

Core courses are fundamental to the Master's programme in Data Science and Applied Statistics, offered by the Department of Statistics. All discipline-based core courses (DBCC) outlined for this programme are mandatory for every student enrolled. Additionally, a core course in this programme may also serve as an elective or open elective for other programmes offered by different departments within the university.

Discipline-Based Core Elective Course (DBCE):

The elective courses can be chosen from a pool of courses offered in the concerned semester. These courses are intended to:

- Allow students to specialise in one or more branches of the broad subject area
- Help students to acquire knowledge and skills in a related area that may have applications in the broad subject area
- Help students to bridge any gap in the curriculum and enable the acquisition of essential skills (e.g. statistical, computational, or other relevant skills that create employability, enhance ethics and understanding of national issues), and
- Help students to pursue an area of interest.

A core elective course of the programme may also be an elective/ open elective course for programmes of any other department under the university
.
Open Elective Interdisciplinary Course (OEIC):

Along with the elective courses prescribed for the Master in Data Science and Applied Statistics Programme offered by the Department of Statistics, a student must register in different elective courses to earn a minimum of *eight credits* as an *open elective* from *other Departments/Schools* under the university.

Mandatory Elective Non-Credit Course (MENC):

This is a value-added course to promote multidisciplinary and holistic education among students. The course is of non-credit nature but is mandatory for successful completion for the award of a Master's degree in Data Science and Applied Statistics. The students shall have to choose the MENC courses, equivalent to **at least 04 credits** (or two MENC courses of minimum two credits each) from a basket of offered MENC courses under the Master in Data Science and Applied Statistics Programme.

Proposed Course Structure for Master in Data Science and Applied Statistics Based on NEP-2020:
Effective from July 2022 onwards [80 credits]

Course Code	Course Title	Nature of Course	Credits
	Semester-I		
DST81DC00104	Statistical Essential for Data Science	DBCC	4
DST81DC00204	Distribution Theory and Nonparametric Statistics	DBCC	4
DST81DC00304	R Programming for Data Science	DBCC	4
DST81DC00404	Data Analytics with R, SPSS and Excel	DBCC	4
***	Elective –I (From other Departments)	OEIC	4

DST81MEXXX00	SWAYAM#		MENC	Non- Credit
	Total Credits			**20**

	Semester-II			
DST82DC00104	Linear Models and Regression Analysis		DBCC	4
DST82DC00204	Multivariate Analysis for Data Science		DBCC	4
DST82DC00304	Statistical Inference for Data Science		DBCC	4
DST82DC00404	Statistical Analytics for Data Science		DBCC	4
DST82DC00504	Research Methodology and Project Management of Data Science		DBCC	4
	Total Credits			**20**

	Semester-III			
DST91DC00104	Python Programming for Data Science		DBCC	4
DST91DC00204	Machine Learning		DBCC	4
DST91DC00304	Data Analysis using Excel and Python		DBCC	4
DST91DC00404	Mini Project		DBCC	4
DST91DE00504-DST91DE00604	Elective-II		DBCE	4
DST91ME00700	Contribution to Data Science and Machine Learning by Indian Scholars and Indian Industries		MENC	Non- Credit
	Total Credits			**20**

	Semester-IV##			
DST92DC00116	Major Project		DBCC	16
DST92DE00204-DST92DE00304	Elective-III		DBCE	4
	Total Credits			**20**
	Grand Total			**80**

Semester-III Elective-II Basket

Course Code	Course Title	Credits
DST91DE00504	Web development using Django	4
DST91DE00604	Data Visualization with Tableau	4

Semester-IV Elective-III Basket##

Course Code	Course Title	Credits
DST92DE00204	Deep Learning	4
DST92DE00304	Natural Language Processing	4

#The students may opt SWAYAM courses of atleast 2 credits or 8 weeks. The course number (XXX) of the course code shall be generated by DC according to the need and availability of the course.

Semester IV will be conducted by NIELIT at Patna Campus.

Ph.D. in Statistics

The Department of Statistics is currently offering Ph.D. with diverse field of specialization including Bayesian Inference/Modelling and Computations - Survey Sampling Theory and Methods, Demography and Multivariate Techniques, etc.

List of Courses in Ph.D. Statistics

Course Code	Course Title	Credit
STS 901	Research Methodology	4
STS 902	Tools & Techniques of Research	4
STS 903	Preparation and presentation of Research Proposal	4
STS 904	Research and Publication Ethics (RPE)	2
	Total Credits	14

Brief Profile of Faculty Members

	Dr. Sunit Kumar, Associate Professor, Head **Areas of Expertise/Research interest:** Sunit Kumar is Associate Professor in Department of Statistics. He had done his MSc. (Statistics) from Science College, Patna University, MPS (Master in Population Studies) from International institute of Population Science, Mumbai, MSc. (Computer Science) from Maharshi Dayanand university Rohtak and Ph.D. from B. N. Mandal Univirsity , Bihar		**Dr. Sandeep Kumar Maurya**, Assistant Professor, **Areas of Expertise/Research interest:** His main area of interest are Statistical Inference and Lifetime Models. Presently, he is working on Bayesian principle in life testing, reliability estimation and lifetime distribution.
	Dr. Kamlesh Kumar Assistant Professor **Areas of Expertise/Research interest :** Sampling Theory, Demography, Biostatistics		**Dr. Richa Vatsa** Assistant Professor Ph.D. (Trinity College Dublin, Ireland) Specialization- Bayesian Statistical Modeling and Computation
	Dr. Indrajeet Kumar **Assistant Professor** Specialization: Data Science, Quality Control, Reliability Testing, Survival Analysis, Measures of Dissimilarity, Information Theory, Bayesian Inference, etc.		

Department of Computer Science

The Department of Computer Science is currently offering a Ph.D. (Computer Science), an M.Sc. in Computer Science, an M.Sc. in Artificial Intelligence, and a **Five-Year Integrated UG-PG Programme in Computer Science** (***with an option of specialization in Artificial Intelligence***). It aims to develop a high-quality workforce in technical education and research in the area of Computer Science and Information Technology for future nation-building. The department also offers several attractive training and workshop programmes along with industry tie-ups according to market needs.

PhD in Computer Science:

Department of Computer Science is currently offering Ph.D. in Computer Science.

List of Courses in PhD. Computer Science

Course Code	Course Title	Credit
CSC101DC00104	Research Methodology	4
CSC101DC00202	Research and Publication Ethics (RPE)	2
CSC101DC00304	Tools & Techniques of Research	4
CSC101DC00404	Preparation and presentation of Research Proposal	4
		14

M.Sc. in Computer Science

The two-year (four semesters) Postgraduate Programme has been designed to focus on theoretical concepts, practical knowledge, and industry interaction. The exercises/assignments/ projects given to students ultimately enable them to become independent quality professionals and researchers. The programme has the following salient features:
- Designed to take students through rigorous ground-work for taking up research, or coming out industry ready.
- Sound foundation in the fundamentals of Computing, Mathematical and Statistical sciences.
- Ample technology orientation via laboratory-intensive courses.
- Students work for six months project in reputed research and training institutes.
- Rich (open) elective course basket providing plenty of space for inter-disciplinary knowledge acquisition required by several emerging areas.

ELIGIBILITY

Bachelor's Degree from any recognised University with Computer Science/ Information Technology/ Computer Application or equivalent with a minimum of 55% marks for General /OBC /EWS candidates and 50% marks for SC/ST / PWD candidates and having Mathematics as a subject at 10+2 level.

List of Courses in M.Sc. Computer Science (80 Credits)

Course Code	Courses		
	First Semester	L-T-P	Credits
CSC81DC00104	Operating Systems	3-1-0	4

CSC81DC00204	Data Structure and Algorithms	3-0-1	4
CSC81DC00304	Computer Networks	3-1-0	4
CSC81DC00402	Indian Knowledge System in Computer Science	2-0-0	2
CSC81DC00502	Human Values and Professional Ethics	2-0-0	2
	Open Elective – I	-	4
Total Credits			**20**
	Second Semester		
CSC82DC00604	Database Management System	3-0-1	4
CSC82DC00704	Object Oriented Programming Methodology	3-0-1	4
CSC82DC00804	Software Engineering	3-1-0	4
CSC82DC00904	Research Methodology	3-1-0	4
	Elective – I (Within Department)/SWAYAM	-	4
	Mandatory Elective Non-Credit Course-1	-	Non-credit
Total Credits			**20**
	Third Semester		
CSC91DC01004	Artificial Intelligence	3-1-0	4
CSC91DC01104	Design & Analysis of Algorithms	3-0-1	4
	Elective-II (Within Department)/ SWAYAM	-	4
	Elective-III (Within Department) / SWAYAM	-	4

	Open Elective – II	-	4
	Mandatory Elective Non-Credit Course-2	-	Non-credit
Total Credits			**20**
	Fourth Semester		
CSC92DC01220	Project in Industry/Academia	-	20
Total Credits			**20**

Elective Basket (Within Dept.)

CSC82DE01304	Computer Organization	4
CSC82DE01404	Distributed Systems	4
CSC82DE01504	Computer Graphics	4
CSC82DE01604	Internet Technologies	4
CSC82DE01704	Mobile Network Systems	4
CSC82DE01804	Wireless Sensor Networks	4
CSC82DE01904	Next Generation Networks	4
CSC82DE02004	Digital Logic and Design	4
CSC82DE02104	Modeling and Simulation	4
CSC82DE02204	Statistical Methods	4
CSC82DE02304	Theory of Computation	4
CSC91DE02404	Big Data Analytics	4
CSC91DE02504	Machine Learning	4
CSC91DE02604	Advanced Computer Network	4
CSC91DE02704	Cryptography and Network Security	4
CSC91DE02804	Software Testing	4

Course Code		Credits
CSC91DE02904	Soft Computing	4
CSC91DE03004	Digital Image Processing	4
CSC91DE03104	Speech processing and recognition	4
CSC91DE03204	Social Network Analysis	4
CSC91DE03304	Advanced software engineering	4
CSC91DE03404	Compiler Design	4
CSC91DE03504	Advanced Python Programming	4
CSC91DE03604	Data Mining	4
CSC91DE03704	Internet of Things	4
CSC91DE03804	Data Security	4

Note: The Department will float elective courses subject to the availability of course experts.

Mandatory Elective Non-Credit Course (MENC)

Course Code	Course Title	Credits
CSC82ME03900	Latex	Non-Credit
CSC82ME04000	Socket Programming using Python	Non-Credit
CSC91ME04100	Python Basics	Non-Credit

Open Elective (interdisciplinary) Basket for other departments

Course Code	Course Title	Credits
CSC82OE04204	Programming in C	4
CSC82OE04304	Fundamentals of Computers	4
CSC82OE04404	Introduction to Database System	4

Note: The Department will float one elective course subject to the availability of course experts.

The M.Sc. in Artificial Intelligence programme is designed to prepare students to become skilled professionals in the rapidly advancing field of AI. It is ideal for students with a background in computer science and engineering, as well as those seeking to complement their expertise in other fields with robust computer science knowledge. This postgraduate degree builds a strong foundation in essential computer science subjects, including algorithms, networking, computer architecture, graph theory, databases, and web technologies. Alongside these core areas, students gain in-depth knowledge and specialized skills in artificial intelligence and machine learning.

The programme provides an integrated course of study encompassing the theory, implementation, and design of information systems, computing, communication technologies, and embedded systems. With a focus on research and advanced coursework, students are equipped to excel in AI and machine learning, positioning them to contribute significantly to both academia and industry.

ELIGIBILITY

Bachelor's Degree from any recognised University with Computer Science/ Information Technology/ Computer Application with a minimum of 55% marks for General /OBC /EWS candidates and 50% marks for SC/ST / PWD candidates and having Mathematics as a subject at 10+2 level.

List of Courses (80 Credits)

First Semester			
Course Code	**Courses**	**L-T-P**	**Credits**
CAI81DC00104	Python Programming & AI LAB	2-0-2	4
CAI81DC00204	Artificial Intelligence	3-1-0	4
CAI81DC00304	Mathematical Foundation for AI	3-1-0	4
CAI81DC00402	Indian Knowledge System	1-1-0	2
CAI81DC00502	Human Values and Professional Ethics	2-0-0	2
	Elective-I (Within Department)		
Total Credits			**20**
First Semester – Electives			
Course Code	**Courses**	**L-T-P**	**Credits**
CAI81DE00604	Distributed Systems	3-1-0	4
CAI81DE00704	Statistical Methods	3-1-0	4
CAI81DE00804	Theory of Computation	3-1-0	4
CAI81DE00904	Design & Analysis of Algorithms	3-1-0	4

Second Semester			
Course Code	**Courses**	**L-T-P**	**Credits**
CAI82DC01004	Machine Learning	3-0-1	4
CAI82DC01104	Research Methodology	3-1-0	4
	Elective-II (Within Department)/ SWAYAM	-	4
	Elective-III (Within Department)/ SWAYAM	-	4
	Open Elective-I / SWAYAM	-	4
	Mandatory Elective Non-Credit Course-1	-	Non-credit
Total Credits			**20**

Second Semester – Electives			
Course Code	**Courses**	**L-T-P**	**Credits**
CAI82DE01204	Computer Graphics	3-1-0	**4**
CAI82DE01304	Wireless Sensor Networks	3-1-0	**4**
CAI82DE01404	Software Engineering	3-1-0	**4**
CAI82DE01504	Digital logic and Design	3-1-0	**4**
CAI82DE01604	Modelling and Simulation	3-1-0	**4**
CAI82DE01704	Internet Technologies	3-0-1	**4**

Third Semester			
Course Type	**Courses**	**L-T-P**	**Credits**
CAI91DC01804	Artificial Neural Network and Deep Learning	3-0-1	4
CAI91DC01904	Big Data Analytics	3-1-0	4
	Elective-IV (Within Department)/ SWAYAM	--	4
	Elective-V (Within Department)/ SWAYAM	--	4
OEIC	Open Elective-II* /SWAYAM	--	4

MENC	Mandatory Elective Non-Credit Course-2	--	Non-credit
Total Credits			**20**

	Third Semester – Electives		
Course Code	**Courses**	**L-T-P**	**Credits**
CAI91DE02004	Soft Computing	3-0-1	4
CAI91DE02104	Speech Processing and Recognition	3-0-1	4
CAI91DE02204	Social Network Analytics	3-0-1	4
CAI91DE02304	Natural Language Processing	3-0-1	4
CAI91DE02404	Digital Image Processing	3-0-1	4
CAI91DE02504	Quantum Computing	3-1-0	4
CAI91DE02604	Intelligent Systems and Robotics	3-1-0	4
CAI91DE02704	Cloud Computing	3-1-0	4
CAI91DE02804	Virtual Reality	3-1-0	4
CAI91DE02904	Internet of Things	3-1-0	4
CAI91DE03004	Edge & Fog Computing	3-1-0	4
CAI91DE03104	Blockchain Technology	3-1-0	4
CAI91DE03204	Computer Vision	3-1-0	4
CAI91DE03304	Data Visualization	3-1-0	4
CAI91DE03404	Human Computer Interaction	3-1-0	4
CAI91DE03504	Time Series Analysis & Forecasting	3-0-1	4
CAI91DE03604	Cyber Security	3-1-0	4
	Fourth Semester		
CAI92DC03720	Project in Industry/Academia	--	20
Total Credits			**20**

Mandatory Elective Non-Credit Course (MENC)

Course Code	Course Title	Credits
CAI82ME03800	Innovation & Entrepreneurship	Non-Credit
CAI82ME03900	R Programming	Non-Credit
CAI92ME04000	Intellectual Property Rights	Non-Credit
CAI92ME04100	Soft Skill	Non-Credit
CAI92ME04200	Scientific Writing Tools	Non-Credit

Integrated UG-PG Programme in Computer Science (with an option of specialization in Artificial Intelligence)

The Five-Year Integrated UG-PG Programme in Computer Science, with a specialization in Artificial Intelligence, is designed to equip students with both theoretical and practical expertise in Computer Science and AI. Aligned with the New Education Policy 2020, the programme offers flexible entry and exit options and emphasizes cutting-edge technology, problem-solving capabilities, and advanced programming skills. The curriculum integrates interdisciplinary courses, hands-on laboratory work, and industry collaborations, ensuring students gain real-world exposure and practical expertise.

The programme provides skill-based training, research-focused dissertations, and industrial projects to prepare students for dynamic career opportunities. It also incorporates ability enhancement and value-added courses that focus on improving communication skills, ethics, and holistic development. By blending industry trends with research excellence, the programme aims to develop professionals ready for academic, research, and industrial roles in the ever-evolving technological landscape.

After the sixth semester, students have the option to specialize in Artificial Intelligence or continue with the general Computer Science programme. Depending on their performance in previous semesters, students within each specialization may be awarded a postgraduate degree with Honours or Honours with Research.

Minimum Eligibility Criteria for Fresh Admission:

The eligibility criteria for Five Year Integrated UG-PG Programme in Computer Science (*with an option of specialization in Artificial Intelligence*) are as follows: -
   I.   The candidate should have passed class 12 from a recognized board in Science Stream with Mathematics as a subject.
   II.   Candidates must appear in CUET in the Computer Science subject.

5-Year Integrated B.Sc. – M.Sc. Programme in Computer Science
(*With an option of Specialization in Artificial Intelligence*)

Course Structure

I Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC51MJ00104	Programming in C	3-0-1	4

Minor		From other Department/SWAYAM		4
Multidisciplinary		From other Department/SWAYAM		3
SEC	CSC51SE00403	Linux	2-0-1	3
AEC	ENG51AE00302	Language Skills Listening and Speaking	1-0-1	2
VAC-1	PHE51VA00102	Health and Wellness, Yoga Education, Sports and Fitness	2-0-0	2
VAC-2	GE051VA00402	Understanding Land and Culture of Bharat	2-0-0	2
			Total Credits	**20**
Minor (For students of other departments)	CSC51MN00204	Programming in C	3-1-0	4
Multidisciplinary (For students of other departments)	CSC51MD00303	Fundamentals of Computer	2-1-0	3

II Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC52MJ00504	Object-Oriented Programming	3-0-1	4
Minor		From other Department /SWAYAM		4
Multidisciplinary		From other Department /SWAYAM		3
SEC	CSC52SE00803	LaTeX	2-1-0	3
AEC	ENG52AE00902	Language Skills Reading and	1-0-1	2

Course Type	Course Code	Course Title	L-T-P	Credits
VAC-3	CSC52VA00102	Digital and Technological Solutions	2-0-0	2
VAC-4	ENV52VA00102	Environmental Science	2-0-0	2
		Total Credits		**20**
Minor (For students of other departments)	CSC52MN00604	Object-Oriented Programming	3-1-0	4
Multidisciplinary (For students of other departments)	CSC52MD00703	Fundamentals of Web Development	2-1-0	3
Summer Internship (For those who want to exit)				4
After completion of semesters 1 and 2, a student may exit with a UG Certificate in Computer Science.				

III Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC61MJ00904	Data Structures	3-0-1	4
Major	CSC61MJ01004	Computer Organizations	3-1-0	4
Minor		From other departments /SWAYAM		4
Multidisciplinary		From other Department /SWAYAM	2-1-0	3
SEC	CSC61SE01303	R Programming	2-1-0	3
AEC	ENG61AE01602	English for Academic Writing	1-1-0	2
Total Credits				**20**
Minor (For students	CSC61MN01104	Data Structures	3-1-0	4

Course Type				
of other departments)				
Multidisciplinary (For students of other departments)	CSC61MD01203	Python Basics	2-1-0	3

IV Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC62MJ01404	Database Management Systems	3-0-1	4
Major	CSC62MJ01504	Design and Analysis of Algorithms	3-0-1	4
Major	CSC62MJ01604	Operating Systems	3-1-0	4
Major	CSC62MJ01702	Python Programming Concepts	1-0-1	2
Minor		From other Department /SWAYAM		4
AEC	ENG62AE02202	Creative Writing	1-1-0	2
Total Credits				**20**
Minor (for students of other departments)	CSC62MN01804	Database Management Systems	3-1-0	4
Summer Internship (For those who want to exit)				**4**
After completion of semesters 1, 2, 3, and 4, a student may exit with a UG Diploma in Computer Science.				

V Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC71MJ01904	Mathematical Foundation of Computer Science	3-1-0	4
Major	CSC71MJ02004	Computer Networks	3-1-0	4

Major	CSC71MJ02104	Theory of Computation	3-1-0	4
Major	CSC71MJ02204	Artificial Intelligence	3-1-0	4
Minor		From other Department /SWAYAM		4
Total Credits				**20**
Minor (For students of other departments)	CSC71MN02304	Computer Networks	3-1-0	4

VI Semester				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC72MJ02404	Research Methodology and Ethics	3-1-0	4
Major	CSC72MJ02504	Software Engineering	3-1-0	4
Minor		From other Department /SWAYAM		4
Major	CSC72MJ02708	Project	0-0-8	8
Total Credits				**20**
Minor (For students of other Departments)	CSC72MN02604	Software Engineering	3-1-0	4
After completion of semesters 1, 2, 3, 4, 5, and 6, a student may exit with a B.Sc. in Computer Science.				

B.Sc. (Honours) in Computer Science

VII Semester B.Sc. (Honours) in Computer Science				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC81MJ02804	Computer Architecture	3-1-0	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4
Minor		From other Department /SWAYAM		4
Total Credits				**20**
Minor (For students of other departments)	CSC81MN02904	Computer Architecture	3-1-0	4

VII Semester Electives for B.Sc. (Honours) in Computer Science

Course Code	**Course Title**	**L-T-P**	**Credits**
CSC81MJ03004	Parallel and Distributed Systems	3-1-0	4
CSC81MJ03104	Computer Graphics	3-0-1	4
CSC81MJ03204	Cryptography & Network Security	3-1-0	4
CSC81MJ03304	Basics of Statistical Methods	3-1-0	4
CSC81MJ03404	Wireless and Mobile Networks	3-1-0	4
CSC81MJ03504	Fundamentals of Digital Image Processing	3-1-0	4
CSC81MJ03604	Compiler Design	3-1-0	4
VIII Semester B.Sc. (Honours) in Computer Science			
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major		Elective 1		**4**

Major		Elective 2		**4**
Major	CSC82MJ05312	Project	0-0-12	**12**
Total Credits				**20**

VIII	**After completing semesters 1, 2, 3, 4, 5, 6, 7, and 8, a student may exit with a B.Sc. (Honours) in Computer Science.**

Semester Electives for B.Sc. (Honours) in Computer Science

Course Code	Course Title	L-T-P	Credits
CSC82MJ04504	Big Data	3-1-0	4
CSC82MJ04604	Fundamentals of Digital Signal Processing	3-1-0	4
CSC82MJ04704	Social Network Analysis	3-0-1	4
CSC82MJ04804	Soft Computing	3-0-1	4
CSC82MJ04904	Combinatorics for Computer Science	3-1-0	4
CSC82MJ05004	Fundamentals of Mobile Computing	3-1-0	4
CSC82MJ05104	Internet Technologies	3-0-1	4
CSC82MJ05204	Software Testing	3-0-1	4

B.Sc. (Honours with Research) in Computer Science

VII Semester B.Sc. (Honours with Research) in Computer Science (for students who have got 7.5 CPI or more upto VI Semester)				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC81MJ02804	Computer Architecture	3-1-0	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4

Minor		From other Departments /SWAYAM		4
Total Credits				**20**
Minor (For students of other departments)	CSC81MN02904	Computer Architecture	3-1-0	4

Note: The

Students are suggested to select minor courses from other departments such as Mathematics, Statistics, Physics, Geology, Geography, Commerce and Business Study, Economics, Bioinformatics, or SWAYAM.

VII Semester Electives for B.Sc. (Honours with Research) in Computer Science

Course Code	Course Title	L-T-P	Credits
CSC81MJ03004	Parallel and Distributed Systems	3-1-0	4
CSC81MJ03104	Computer Graphics	3-0-1	4
CSC81MJ03204	Cryptography & Network Security	3-1-0	4
CSC81MJ03304	Basics of Statistical Methods	3-1-0	4
CSC81MJ03404	Wireless and Mobile Networks	3-1-0	4
CSC81MJ03504	Fundamentals of Digital Image Processing	3-1-0	4
CSC81MJ03604	Compiler Designs	3-1-0	4

VIII Semester B.Sc. (Honours with Research) in Computer Science				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC82MJ05420	Research Project/Dissertation	0-0-20	**20**
Total Credits				
After completing semesters 1, 2, 3, 4, 5, 6, 7, and 8, a student may exit with a B.Sc. (Honours with Research) in Computer Science.				

IX Semester Integrated M.Sc. in Computer Science				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC91MJ06504	Advanced Computer Networks	3-1-0	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4
Major		Elective 4		4
Total Credits				**20**

IX Semester Electives for Integrated M.Sc. in Computer Science

Course Code	**Course Title**	**L-T-P**	**Credits**
CSC91MJ06604	Introduction to Cloud Computing	3-1-0	4
CSC91MJ06704	Fundamentals of Wireless Sensor Networks	3-1-0	4
CSC91MJ06804	Operation Research Concepts	3-1-0	4
CSC91MJ06904	Algebraic and Number Theoretic Algorithms	3-1-0	4
CSC91MJ07004	Fundamentals of Speech Recognition	3-1-0	4
CSC91MJ07104	Complexity Theory	3-1-0	4
CSC91MJ07204	Introduction to Computer Vision	3-0-1	4
CSC91MJ07304	Foundations of Cryptography	3-1-0	4
CSC91MJ07404	Advanced Database Concepts	3-1-0	4
CSC91MJ07504	Fundamentals of Blockchain	3-0-1	4
CSC91MJ07604	Geometric Algorithms	3-1-0	4
CSC91MJ07704	Information and Cyber Security Concepts	3-1-0	4

CSC91MJ07804	Quantum Computing	3-1-0	4
CSC91MJ07904	Advanced Python Programming	3-0-1	4
CSC91MJ08004	Embedded Systems	3-1-0	4

X Semester Integrated M.Sc. in Computer Science				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC92MJ10320	Industrial Project	0-0-20	**20**
Total Credits				**20**
After completion of semesters 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10, a student will get an Integrated M.Sc. in Computer Science.				

B.Sc. (Honours) in Computer Science with Specialization in AI

VII Semester B.Sc. (Honours) in Computer Science with Specialization in AI				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC81MJ03704	Advanced Artificial Intelligence	3-1-0	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4
Minor		From other Department /SWAYAM		4
Total Credits				**20**
Minor (For students of other departments)	CSC81MN02904	Computer Architecture	3-1-0	4

Note: The students are suggested to select minor courses from other departments such as Mathematics, Statistics, Physics, Geology, Geography, Commerce and Business Study, Economics, Bioinformatics, or SWAYAM.

VII Semester Electives for B.Sc. (Honours) in Computer Science with Specialization in AI

Course Code	Course Title	L-T-P	Credits
CSC81MJ03804	Data Mining	3-0-1	4
CSC81MJ03904	Statistical Method	3-1-0	4
CSC81MJ04004	Introduction to Cryptography & Network Security	3-1-0	4
CSC81MJ04104	Digital Image Processing	3-0-1	4
CSC81MJ04204	Introduction to Deep Learning	3-0-1	4
CSC81MJ04304	Internet of Things	3-1-0	4
CSC81MJ04404	Building Software Systems	3-0-1	4

Semester Electives for B.Sc. (Honours) in Computer Science with Specialization in AI

VIII Semester B.Sc. (Honours) in Computer Science with Specialization in AI				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major		Elective 1		4
Major		Elective 2		4
Major	CSC82MJ06312	Project	0-0-12	12
Total Credits				**20**

After completion of semesters 1, 2, 3, 4, 5, 6, 7, and 8, a student may exit with a B.Sc. (Honours) in Computer Science with Specialization in AI.

Course Code	Course Title	L-T-P	Credits
CSC82MJ05504	Data Science and Big Data Analytics	3-0-1	4
CSC82MJ05604	Digital Signal Processing	3-1-0	4
CSC82MJ05704	Social Network Analytics	3-0-1	4

CSC82MJ05804	Essentials of Soft Computing	3-0-1	4
CSC82MJ05904	Combinatorial Optimization	3-1-0	4
CSC82MJ06004	Natural Language Processing	3-0-1	4
CSC82MJ06104	Wireless and Mobile Computing	3-1-0	4
CSC82MJ06204	Machine Learning	3-0-1	4

B.Sc. (Honours with Research) in Computer Science with Specialization in AI

VII Semester B.Sc. (Honours with Research) in Computer Science with Specialization in AI				
(for students who have got 7.5 CPI or more up to VI Semester)				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC81MJ03704	Advanced Artificial Intelligence	3-1-0	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4
Minor		From other Department /SWAYAM		4
Total Credits				**20**
Minor (For students of other departments)	CSC81MN02904	Computer Architecture	3-1-0	4

Note: The students are suggested to select minor courses from other departments such as Mathematics, Statistics, Physics, Geology, Geography, Commerce and Business Study, Economics, Bioinformatics, or SWAYAM.

VII Semester Electives for B.Sc. (Honours with Research) in Computer Science with Specialization in AI

Course Code	**Course Title**	**L-T-P**	**Credits**
CSC81MJ03804	Data Mining	3-0-1	4

CSC81MJ03904	Statistical Method	3-1-0	4
CSC81MJ04004	Introduction to Cryptography & Network Security	3-1-0	4
CSC81MJ04104	Digital Image Processing	3-0-1	4
CSC81MJ04204	Introduction to Deep Learning	3-0-1	4
CSC81MJ04304	Internet of Things	3-1-0	4
CSC81MJ04404	Building Software Systems	3-1-0	4

VIII Semester B.Sc. (Honours with Research) in Computer Science with Specialization in AI

Course Type	Course Code	Course Title	L-T-P	Credits
Major	CSC82MJ06420	Research Project/Dissertation	0-0-20	**20**
Total Credits				**20**

After completion of semesters 1, 2, 3, 4, 5, 6, 7, and 8, a student may exit with a B.Sc. (Honours with Research) in Computer Science with Specialization in AI.

IX Semester Integrated M.Sc. in Computer Science with Specialization in AI

Course Type	Course Code	Course Title	L-T-P	Credits
Major	CSC91MJ08104	ANN and Deep Learning	3-0-1	4
Major		Elective 1		4
Major		Elective 2		4
Major		Elective 3		4
Major		Elective 4		4
Total Credits				**20**

IX Semester Electives for Integrated M.Sc. in Computer Science with Specialization in AI

Course Code	Course Title	L-T-P	Credits
CSC91MJ08204	Cloud and Distributed AI Systems	3-1-0	4

CSC91MJ08304	Wireless Sensor Networks	3-1-0	4
CSC91MJ08404	Operation Research	3-1-0	4
CSC91MJ08504	Speech Processing & Recognition	3-1-0	4
CSC91MJ08604	Advanced Database Management Systems	3-1-0	4
CSC91MJ08704	Computer Vision	3-0-1	4
CSC91MJ08804	Randomized Algorithms	3-1-0	4
CSC91MJ08904	Blockchain Technologies	3-0-1	4
CSC91MJ09004	Approximation Algorithms	3-1-0	4
CSC91MJ09104	Information and Cyber Security	3-0-1	4
CSC91MJ09204	Privacy and Security in OSNs	3-1-0	4
CSC91MJ09304	Reinforcement Learning	3-1-0	4
CSC91MJ09404	Probabilistic Graphical Models	3-1-0	4
CSC91MJ09504	Robotics	3-1-0	4
CSC91MJ09604	Virtual Reality	3-0-1	4
CSC91MJ09704	Edge & Fog Computing	3-1-0	4
CSC91MJ09804	Data Visualization	3-0-1	4
CSC91MJ09904	Time Series Analysis & Forecasting	3-0-1	4
CSC91MJ10004	Software Testing	3-0-1	4
CSC91MJ10104	Bayesian Learning	3-1-0	4

CSC91MJ10204	Recommender Systems	3-0-1	4

X Semester Integrated M.Sc. in Computer Science with Specialization in AI				
Course Type	**Course Code**	**Course Title**	**L-T-P**	**Credits**
Major	CSC92MJ10420	Industrial Project	0-0-20	**20**
Total Credits				**20**
After completion of semesters 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10, a student will get an Integrated M.Sc. in Computer Science with Specialization in AI.				

Brief Profile of Faculty Members

	Dr. Prabhat Ranjan Professor B. E., M. Tech (MNNIT Allahabad), Ph. D. (MNNIT Allahabad) **Specialization:** Software Engineering, Big Data		**Dr. Jainath Yadav** Associate Professor M. Tech and Ph.D. from IIT Kharagpur **Specialization:** Speech, signal processing
	Dr. Nemi Chandra Rathore Associate Professor M. Tech (IIIT-A), Ph. D. (IIT-Patna) **Specialization:** Privacy & Network Security, Social Networks, Computer Networks		**Dr. Piyush Kumar Singh** Assistant Professor MCA, Ph.D. (BHU) **Specialization:** Image Processing, Wavelet Applications

	Dr. Mrityunjay Singh Assistant Professor *Specialization* *:* Theoretical Computer Science, Discrete Mathematics, Algorithms, Cryptography and Security		**Dr. Prakash Kumar** Assistant Professor MCA, Ph.D. **Specialization:** Network Security, Data Communication & Computer Networks

SCHOOL OF MEDIA, ARTS & AESTHETICS

Human life is enriched by the elements of arts and aesthetics, with media serving as the cornerstone of human communication. In this context, Media, Arts, and Aesthetics form integral components of human existence. Their academic study is crucial for the holistic development of individuals and societies. The School of Media, Arts, and Aesthetics at CUSB is committed to addressing these academic needs by fostering behavioral understanding and cultivating futuristic ideas and life patterns through its teaching, training, and research initiatives.

The primary vision of the School is to develop advanced master-level programs that integrate various media, cultural, and artistic forms. Given India's rich and enduring legacy in arts and aesthetics, it is essential to design curricula that provide students with both holistic and practical insights. Dance, music, theatre, painting, films, and media are intrinsic to every society, and India's cultural heritage boasts a vibrant and robust history. With an interdisciplinary approach, the School aspires to broaden students' knowledge and understanding while delivering hands-on practical training in Media, Arts, and Aesthetics through rigorous industrial training modules.

Currently, the School offers an M.A. in Journalism and Mass Communication under the Department of Mass Communication and Media. Established in 2011, the programme was created to provide extensive media training and address the shortage of qualified media professionals in academia. The first-year courses lay a strong foundation, while the specialization papers in the second year offer in-depth expertise. The Department is dedicated to shaping effective communicators across various domains, including print, electronic, online media, films, advertising, and public relations.

Department of Mass Communication and Media

The Department of Mass Communication and Media (DMCM) was established with the objective of promoting quality media education tailored for creative and innovative minds. It aims to produce skilled and effective communicators across various media domains. Over the past couple of decades, the media industry in India has witnessed unprecedented growth, establishing itself as one of the four largest media industries globally. Significant advancements have been seen in content creation and presentation, production techniques, technical quality, program transmission, and consumer feedback and research.

The exponential increase in the number of broadcast channels, internet/multimedia users, and newspaper circulation has created a soaring demand for well-educated and trained media professionals across conventional and non-conventional fields, such as online platforms, print, broadcast journalism, fiction and non-fiction content for radio and television, media research, and other allied disciplines. The Covid-19 pandemic has further transformed the landscape of learning, leading to a heightened reliance on ICT tools. DMCM is well-equipped to address these evolving needs, offering state-of-the-art infrastructure and the latest equipment to support its stakeholders.

Laboratory Facilities & Resources:

The Department has two labs, namely, Electronic Media Production lab is newly established infrastructure with all latest technology and a computer lab. Electronic Media Production lab is well equipped with professional Video Cameras, audio console, video mixer and Apple Mac-Pro editing suite with necessary software. Computer lab comprises a set of Fifteen (15) computers loaded with Quark Express, Adobe Masters Collection CS 5.5 which consists of Photoshop, InDesign, Illustrator, Flash, Dreamweaver, Fireworks, Adobe Premiere, and Adobe Audition. Further, handy cameras, digital still cameras, provision of film screening are also available in the lab. Besides, Hindi and English newspapers, magazines are also available to students to inculcate good reading habits; and a television set with digital connection to give practical inputs regarding the latest trends in electronic media.

5-year Integrated UG-PG Programme in Journalism and Mass Communication

Semester- I

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC51MJ00104	Indian Society, Polity and	4

			Economy	
2	Minor *(for others)*	JMC51MJ00104	Indian Society, Polity and Economy	4
3	MDC *(for others)*	JMC51MD00203	Media & Society	3
4	AEC	ENG51AE001702	Language Skills: Listening and Speaking	2
5	SEC	JMC51SE00303	Computer Application in Media	3
6	VAC	GEO51VA00402	Understanding Land and Culture of Bharat	2
		PHE51VA00102	Yoga, Health and Well-being	2
Total Credits				20

MDC-Multi-disciplinary Course: offered for/by other Departments/SWAYAM/NPTEL/MOOCs

AEC- Ability Enhancement Course; Offered by English and Hindi Departments/SWAYAM/NPTEL/MOOCS

SEC- Skill Enhancement Course; offered by Dept. of Mass Comm and Media/SWAYAM/NPTEL/MOOCs

VAC-Value Added Course; offered by Geography and Physical Education Departments.

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Semester –II

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC52MJ00404	Print Media Journalism	4
2	Minor *(for others)*	JMC52MJ00404	Print Media Journalism	4
3	MDC *(for others)*	JMC52MD00503	Media and Gender	3
4	AEC	ENG52AE00902	Language Skills: Reading and Writing	2
5	SEC	JMC52SE00603	Print Media Journalism Practical	3
6	VAC	ENV52VA00102	Environment Science	2
		CSE52VA00102	Digital and Technological Solutions	2
Total Credits				20

MDC-Multi-disciplinary Course: offered for/by other Departments/SWAYAM/NPTEL/MOOCs

AEC- Ability Enhancement Course; Offered by English and Hindi Departments/SWAYAM/NPTEL/MOOCS

SEC- Skill Enhancement Course; offered by Dept. of Mass Comm and Media/SWAYAM/NPTEL/MOOCs

VAC-Value Added Course; offered by Geography and Physical Education Departments.

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Multiple Exit Options: The students who wish to exit the programme after obtaining 40 credits will be awarded UG certificate in Basic Journalism provided they secure 4 credits in in professional work-based vocational courses offered during summer term or internship/Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester as decided by the Department Committee.	44

Semester –III

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC61MJ00704	Media History	4
2	Major	JMC61MJ00804	Photography	4
3	Minor *(for others)*	JMC61MJ00704	Media History	4
4	MDC *(for others)*	JMC61MD00903	Contemporary Issues in Media	3
5	AEC	ENG61AE001602	English for Academic Writing	2
5	SEC	JMC61SE01003	Photography Practical	3
Total Credits				20

MDC-Multi-disciplinary Course: offered for/by other Departments/SWAYAM/NPTEL/MOOCs

AEC- Ability Enhancement Course; Offered by English and Hindi Departments

SEC- Skill Enhancement Course; offered by Department of Mass Communication and Media/ SWAYAM/NPTEL/MOOCs

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Semester –IV

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC62MJ01104	Broadcast Journalism	4

2	Major	JMC62MJ01204	Advertising	4
3	Major	JMC62MJ01304	Broadcast Journalism Practical	4
4	Major	JMC62MJ01402	Advertising Practical	2
5	Minor (*for others*)	JMC62MJ01204	Advertising	4
6	AEC	ENG62AE02202	Creative Writing	2

AEC- Ability Enhancement Course; Offered by English and Hindi Departments

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Multiple Exit Options: The students who wish to exit the programme after obtaining 80 credits will be awarded UG Diploma in Basic Journalism provided they secure 4 credits in professional skill based vocational courses (from other Department/ SWAYAM/NPTEL/MOOCs)/internship as decided by the Department Committee.	84

Semester –V

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC71MJ01504	Introduction to Communication	4
2	Major	JMC71MJ01604	Public Relations	4
3	Major	JMC71MJ01704	Applications of AI in Media	4
4	Minor (for others)	JMC71MJ01604	Public Relations	4
5	Major	JMC71MJ01802	Public Relations Practical	2
6	Internship	JMC71MJ01902	Internship	2
Total Credits				20

One Minor course of FOUR credits must be opted by the students of JMC from other departments.

Semester –VI

Sl. No.	Course Type	Course Code	Course Title	Credit
1	Major	JMC72MJ02004	New Media Theory	4
2	Major	JMC72MJ02104	Audio-visual Production-Theory	4
3	Major	JMC72MJ02204	New Media Practical	4

4	Major	JMC72MJ02304	Audio-visual Production- Practical	4
5	Minor *(for others)*	JMC72MJ02004	New Media Theory	4
Total Credits				20

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Multiple Exit Options: The students who wish to undertake 3-year UG programme after obtaining 120 credits will be awarded B.A in Journalism and Mass Communication.	120

Semester –VII

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC81MJ02404	Media Laws and Ethics	4
2	Major	JMC81MJ02504	Communication for Development & Social Change	4
3	Major	JMC81MJ02604	Event Management	4
4	Major	JMC81MJ02704	Media Management and Entrepreneurship	4
5	Minor *(for others)*	JMC81MJ02604	Event Management	4
Total Credits				20

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

Semester –VIII

Sl. No.	Course Type	Course Code	Course Title	Credit
1	Major	JMC82MJ02804	Introduction to Research Methodology	4
2	Major	JMC82MJ02904	Corporate Communication	4
3	Major	JMC82MJ03004	Environmental Communication	4
4	Major	JMC82MJ03104	Social Media	4
5	Minor/OEIC	JMC82MJ02904	Corporate Communication	4
6	Major/Research Projects**	JMC82MJ03212	**One needs to undertake a **Research project/Dissertation** for 12 credits for B.A (Hons with research) in Journalism and Mass Communication. However, only those students having CGPA of 7.5 and above throughout the previous semesters may undertake	12

			Research Projects/Dissertation of 12 credits. Students who are unable to opt for Research Projects/Dissertation, must choose the 3 courses listed above under Sl No. 2, 3, & 4 for 12 credits (3*4 credit=12 credits) for B.A (Hons.) in Journalism and Mass Communication.	
Total Credits				20

One Minor course of FOUR credits must be opted by the students of JMC from other Department.

*Note: **The students on exit shall be awarded Bachelor of Journalism and Mass Communication with Honours (4 years) after securing the requisite 160 Credits on completion of Semester 8. Those who took Research Projects will be awarded Bachelor of Journalism and Mass Communication Hons with Research (4 Years).**

** **Select either three theory of 4 credits each or either select Research projects of 12 credits.**

Semester VIII (For Students having < CGPA 7.5)				
Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credits**
1	Major	JMC82MJ02804	Introduction to Research Methodology	4
2	Major	JMC82MJ02904	Corporate Communication	4
3	Major	JMC82MJ03004	Environmental Communication	4
4	Major	JMC82MJ03104	Social Media	4
5	Minor (from other Department)	JMC82MJ02904	Corporate Communication	4
Total Credits				20
Apart from Sl. No 1,2,3,4, the JMC students will have to opt one minor course of four credits from other Department.				
Semester VIII (For Students having > CGPA 7.5)				
Sl No.	Course Type	Course Code	Course Title	Credits
1	Major	JMC82MJ02804	Introduction to Research Methodology	4
2	Major			4
3	Major			4
4	Major			4

5	Minor (from other Department)			4
6	Major	JMC82MJ03212	Research Projects	12
Total Credits				20
Apart from Sl. No 1, the JMC students will have to opt one minor course of four credits from other Department plus Research Project of 12 credits.				

Semester –IX

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC91MJ03304	Media and Communication Research	4
2	Major	JMC91MJ03404	International Communication	4
3	Major	JMC91MJ03504	Political Communication	4
4	Major	JMC91MJ03604	Digital Media Marketing	4
5	Major	JMC91MJ03704	Science Communication	4
6	Major	JMC91MJ03804	*Research Projects-I	20
Total Credits				20

* **Select either all theory courses of 4 credits each or either select Research projects of 20 credits**

**(Research in IX semester is only for those students who want to earn 40 credits from the Research Project having >CGPA 7.5)

*** Research project in IX semester will be carried out in the university.

Semester –X

Sl No	Course Type	Course Code	Course Title	Credit
1	Major	JMC92MJ03904	Inter-Cultural Communication	4
2	Major	JMC92MJ04004	Film studies	4
3	Major	JMC92MJ04104	Rural Communication	4
4	Major	JMC92MJ04204	Health Communication	4
5	Major	JMC92MJ04304	Film Screening and Review-Practical	4
6	Major	JMC92MJ04404	*Research Projects-II	20
		Total Credits		20

M.A. in Journalism and Mass Communication

List of course in M.A. In Journalism and Mass Communication (80 Credits)

SEMESTER- I		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
JMC 8 1 DC 001 04	Introduction to Communication	4
JMC 8 1 DC 002 04	Print Media Journalism	4
JMC 8 1 DC 003 04	Photo Journalism	4
	Elective Basket-I (DBCE)	4
	Elective Basket-II (OEIC)	4
	Elective Basket-III (MENC)	Non-Credit
Credit		**20**

Elective Basket – I			
Discipline Based Core Elective (DBCE)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 8 1 DE 004 04	Print Media Journalism (Practical)	4	1st Sem
JMC 8 1 DE 005 04	Data Journalism	4	
JMC 8 1 DE 006 04	International Communication	4	

Elective Basket – II			
Open Elective (Interdisciplinary) Course (OEIC)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 8 1 OE 007 04	Folk and Community Media	4	1st Sem
JMC 8 1 OE 008 04	Science Communication	4	
JMC 8 1 OE 009 04	Rural Communication	4	

Elective Basket – III			
Mandatory Elective Non-Credit Course (MENC)			
Course Code	**Course Title**	**Credit**	**Opt in**

JMC 8 1 ME 010 00	Communication Skill	Non-Credit	1st Sem
JMC 8 1 ME 011 00	Contemporary Issues in Media	Non-Credit	

SEMESTER-II		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
JMC 8 2 DC 012 04	Broadcast Journalism	4
JMC 8 2 DC 013 04	Media History	4
JMC 8 2 DC 014 04	Media Laws and Ethics	4
JMC 8 2 DC 015 04	Media and Communication Research	4
	Elective Basket-IV (DBCE)	4
	Elective Basket-V (MENC)	Non-Credit
Credit		**20**

Elective Basket – IV			
Discipline Based Core Elective (DBCE)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 8 2 DE 016 04	Broadcast Journalism (Practical)	4	2nd Sem
JMC 8 2 DE 017 04	Media Management	4	
JMC 8 2 DE 018 04	Digital Photography	4	

Elective Basket – V			
Mandatory Elective Non-Credit Course (MENC)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 8 2 ME 019 00	Indian Society, Polity and Gender	Non-Credit	2nd Sem
JMC 8 2 ME 020 00	The Art of Interviewing	Non-Credit	

SEMESTER-III		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
JMC 9 1 DC 021 04	Communication for Development and Social Change	4

JMC 9 1 DC 022 04	Audio-Visual Production	4
JMC 9 1 DC 023 04	Industrial Training Report/Project/Internship	4
	Elective Basket-VI (DBCE)	4
	Elective Basket-VII (OEIC)	4
Credit		**20**

Elective Basket – VI			
Discipline Based Core Elective (DBCE)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 9 1 DE 024 04	Media, Culture and Society	4	3rd Sem
JMC 9 1 DE 025 04	Inter Cultural Communication Studies	4	
JMC 9 1 DE 026 04	Media and Gender	4	
JMC 9 1 DE 027 04	Corporate Communication and Event Management	4	

Elective Basket – VII			
Open Elective (Interdisciplinary) Course (OEIC)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 9 1 OE 028 04	Writing for Media	4	3rd Sem
JMC 9 1 OE 029 04	Consumer Behaviour and Market Research	4	
JMC 9 1 OE 030 04	Political Communication	4	

SEMESTER-IV		
Course Code	**Course Title**	**Credit**
Discipline Based Core Course (DBCC)		
JMC 9 2 DC 031 04	New Media: Theories, Policy and Practices	4
JMC 9 2 DC 032 04	Advertising and Public Relations	4
JMC 9 2 DC 033 04	Research Project/Dissertation	4
	Elective Basket-VIII (DBCE)	4
	Elective Basket-VIII (DBCE)	4
Credit		**20**

Elective Basket – VIII			
Discipline Based Core Elective (DBCE)			
Course Code	**Course Title**	**Credit**	**Opt in**
JMC 9 2 DE 034 04	New Media (Practical)	4	
JMC 9 2 DE 035 04	Audio-Visual Production (Practical)	4	
JMC 9 2 DE 036 04	Mobile Communication	4	
JMC 9 2 DE 037 04	Convergent Journalism	4	4th SEM
JMC 9 2 DE 038 04	Film Studies	4	
JMC 9 2 DE 039 04	Audio Production	4	
JMC 9 2 DE 040 04	Digital Marketing	4	

Ph.D. in Communication and Media Studies

The Department of Mass Communication and Media currently offers a Ph.D. program in Communication and Media Studies, which was introduced in 2017. At present, the department has 20 students enrolled in this program. To support their academic pursuits, the department provides individual cubicles for scholars, creating a conducive environment for self-study and collaborative discussions with fellow researchers.

Additionally, the department houses a dedicated reference section in the library, where scholars can access all the research work carried out within the department, further aiding their studies and exploration.

List of Courses in PhD. Communication and Media Studies

Course Code	**Course Title**	**Credit**
JMC1000104	Research Methodology	4
JMC1000204	Media and Communicaion Research	4
JMC1000402	Research and Publication Ethics	2
JMC1000304	Preparation and Presentation of Research Proposal	4
	Total Credits	**14**

Brief Profile of Faculty Members

Prof. K. Shiva Shankar, Professor and Head

Specialization : Print Journalism & Public Relations

Prof. Atish Prashar Professor

Specialization: Communication Research, Advertising, Media Management, Journalism

	Dr. Sujeet Kumar, Assistant Professor **Specialization:** Online Journalism an d New Media, Communication Technology, Development Communication, *History of Journalism*		**Dr. Anindya Deb**, Assistant Professor **Specialization:** New Media Research, Communication Research, Media Management, Communication for Development.

SCHOOL OF PHYSICAL & CHEMICAL SCIENCES

Department of Physics

The M.Sc. Degree Program in Physics was initiated in the academic session 2018-19 with an intake of 35 students. Starting from the academic session 2019-20, the department introduced a Ph.D. programme in cutting-edge areas of physics, including Nuclear and Particle Physics, High Energy Physics, Astroparticle Physics, Low-Energy Neutrino Physics, Dark Matter, Detector Development and Data Acquisition Systems (DAQ), Experimental Condensed Matter Physics and Material Science, Superconductivity (Theory), Nano-science and Technology (Theory), Metallic Glasses (Experimental), Molecular Motors, Molecular Spintronics, Two-Dimensional Superconductivity, Material Synthesis, Crystal Growth and Characterization (Piezo, Ferro, Semiconductor, and NLO), Synthesis and Characterization of Nanomaterials, Magnetic and Hydrogen Storage Properties, Noncommutativity, and Deformed Special Relativity. During the academic session 2020-21, the department has introduced two specializations in postgraduate programs: Material Science and Nuclear & Particle Physics. Furthermore, from the academic session 2024-25, the department has launched a major 5 Year Integrated UG-PG programme in Physics.

The Department of Physics is dedicated to pursuing excellence in teaching and engaging in high-quality research. Faculty members are actively involved in cutting-edge theoretical and experimental research across the challenging areas mentioned above. To address major societal challenges through interdisciplinary approaches, the department has established collaborations within the university and with laboratories both in India and overseas. These collaborations, which include active national and international research partnerships, further enhance the department's contributions to the advancement of physics and its applications.

5 Year Integrated UG-PG in Physics

Introduction:

The vision of the Integrated M.Sc. course is to deliver a comprehensive and interdisciplinary education that fosters a profound understanding of the Physical Sciences. The programme aims to instill a spirit of lifelong learning through an interdisciplinary approach, promoting holistic development and striving for excellence in the field.

Programme Objectives:

This course will provide a leading and transformative program to shape aspiring physicists into innovative professionals. The core objectives of Integrated five-year M.Sc. Physics programme in Physics:

- ✓ Provide an opportunity to student for multiple exit and entry.
- ✓ Integrated M. Sc. Physics Programme with manifold objectives, is aimed at imparting students with comprehensive knowledge and better understanding in theoretical as well as experimental aspects of physics for holistic development.
- ✓ The core courses have been designed to encourage scientific approach and problem-solving abilities, whereas the major and minor courses are structured with specialized and/or interdisciplinary content to equip students with a broader knowledge base.
- ✓ The labs are intended for appreciation for the fundamental concepts and working of devices using tools of physics for augmenting practical and theoretical knowledge.
- ✓ The dissertation project is intended to give an essence of research work for excellence in specific areas.

Programme Outcomes:

The prime outcomes of Integrated M.Sc. Physics programme are as follows:

- ✓ Fulfill the objectives of New Education policy 2020 and provide multiple entry and exit option to students.
- ✓ Empowering the students to analyze mathematical models of physical systems and critically analyze the limitations.
- ✓ Promoting the skills of problem solving, developing analytical approach to equip students with improved resilience and matured professional perspective.
- ✓ Prepare skilled scholars for Academics and Research
- ✓ Developing discipline-specific expertise, like self-directed scientific literature analysis, and apply it to pursue their research career

Minimum Eligibility for admission:

1. Eligibility criteria for the M.Sc. integrated course is given below: - The student should have passed class 12 from a recognized board
2. Physics must be one of the subjects studied by the student in class 12.
3. Candidates must appear in CUET in the following subject combination:
     A. Physics + Chemistry + Mathematics/Applied Mathematics
     B. Physics + Chemistry + Biology/BiologicalStudies/Biotechnology/Biochemistry
     C. Merit will be based on the CUET scores obtained from the above-mentioned combination of subjects.
4. Only those students having CGPA more than 7.5 throughout the previous semesters may undertake Research Project of 12 credits.

Course Structure

UG Certificate in (Basic Physics)				
Paper Code	**Course Title**	**Credits**		
	Semester I	**C**	**L/T**	
PHY51MJ00104	Mechanics and General Properties of Matter	04	4/0/0	
PHY51SE00203	Basic Physics Laboratory - I	03	0/00/3	
PHY51VA00302	The Science of Mindfulness: A path to Well-being	02	2/0/0	
PHY51MD00403	Physics for Everyone-I (Multidisciplinary for other disciplinary)	03^C	3/0/0	
	English, Hindi (AEC)	02^D		
	Valued-Added Course (Yoga, Sports)	02^B		
	Medium Credits required for Semester I	**20**		
Paper Code	**Course Title**	**Credits**		
	Semester II	**C**	**L/T**	
PHY52MJ00504	Electronics	04	4/0/0	
PHY52SE00603	Basic Physics Laboratory - II	03	0/0/3	
PHY52VA00702	Biography of Indian Scientists	02	2/0/0	
PHY52MD00803	Physics for Everyone-II (Multidisciplinary for other disciplinary)	03 C	3/0/0	
	English, Hindi (AEC)	02 D		
	Valued-Added Course (Yoga, Sports)	02 B	**20**	
	Medium Credits required for Semester I			

UG Diploma (Basic Physics)

Paper Code	Course Title	Credits	
	Semester III	**C**	**L/T/P**
PHY61MJ00904	Mathematical Physics - I	04	4/0/0
PHY61MJ01004	Wave and Optics	04	4/0/0
PHY61SE01103	Physics Laboratory - I	03	0/0/3
PHY61MN01204	Mathematical Physics - I (Minor for other Department within Discipline)	04^B	4/0/0
PHY61MN01304	Wave and Optics (Minor for other Department within Discipline)	04^B	4/0/0
PHY61MN01403	Mathematical Physics - I (Minor for other Department of Different Discipline)	03^C	3/0/0
PHY61MN01503	Wave and Optics (Minor for other Department of Different Discipline)	03^C	3/0/0
	Minor from other Department within Discipline	04	
	Minor from other Department of Different Discipline	03	
	English, Hindi (AEC)	02^D	
	Total Credit	**20**	

Paper Code	Course Title	Credits	
	Semester IV	**C**	**L/T/P**
PHY62MJ01604	Mathematical Physics-II	04	4/0/0
PHY62MJ01704	Electricity and Magnetism	04	4/0/0
PHY62MJ01804	Physics Laboratory - II	04	0/0/4
PHY62MJ01902	Heat and Thermodynamics	02	2/0/0
PHY62MN02004	Mathematical Physics-II (Minor for other Department within Discipline)	04^B	4/0/0
PHY62MN02104	Electricity and Magnetism (Minor for other Department within Discipline)	04^B	4/0/0
	Minor from other Department within Discipline	04	

	English, Hindi (AEC)	02 D	
	Total Credit	**20**	

Bachelor of Science (Physics)			
Paper Code	**Course Title**	**Credits**	
	Semester V	**C**	**L/T/P**
PHY71MJ02204	Quantum Mechanics	04	4/0/0
PHY71MJ02304	Solid State Physics	04	4/0/0
PHY71MJ02404	Physics Laboratory - III	04	0/0/4
PHY71MJ02502	Theory of Relativity	02	0/0/2
PHY71MN02602	Internship (Department)	02	0/0/2
PHY71MN02704	Quantum Mechanics (Minor for other Department within Discipline)	04[B]	4/0/0
PHY71MN02804	Solid State Physics (Minor for other Department within Discipline)	04[B]	4/0/0
	Minor from other Department within Discipline	04	
	Total Credit	**2**	
Paper Code	**Course Title**	**Credits**	
	Semester VI	**C**	**L/T/P**
PHY72MJ02904	Nuclear Physics	04	4/0/0
PHY72MJ03004	Atomic and Molecular Physics	04	4/0/0
PHY72MJ03104	Statistical Mechanics	04	4/0/0
PHY72MJ03204	Physics Laboratory - IV	04	0/0/4
PHY72MN03304	Nuclear Physics (Minor for other Department within Discipline)	04[B]	4/0/0

Course Code	Course Title	C	L/T/P
PHY72MN03404	Atomic and Molecular Physics (Minor for other Department within Discipline)	04[B]	4/0/0
PHY72MN03504	Statistical Mechanics (Minor for other Department within Discipline)	04[B]	4/0/0
	Minor from other Department within Discipline	04	
	Total Credit	**20**	

Bachelor of Science Honours (Physics)			
Course Code	**Course Title**	**Credit**	
Semester-VII		**C**	**L/T/P**
PHY81MJ03604	Advance Mathematical Physics	4	4/0/0
PHY81MJ03704	Classical Mechanics	4	4/0/0
PHY81MJ03804	Electronics Lab	4	0/0/4
PHY81MJ03904	Electronics and Experimental Methods	4	4/0/0
PHY81MN04004	Classical Mechanics (Minor for other Department within Discipline)	4[B]	4/0/0
PHY81MN04104	Electronics and Experimental Methods (Minor for other Department within Discipline)	4[B]	4/0/0
	Minor from other Department within Discipline	4	
Total Credit		**20**	
Course Code	**Course Title**	**Credit**	
Semester - VIII		**C**	**L/T/P**
PHY82MJ04204	Advance Quantum Mechanics	4	4/0/0
PHY82MJ04304	Classical Electrodynamics	4	4/0/0
PHY82MJ04404	Computational Physics Lab	4	0/0/4

PHY82MJ04504	Introduction of Research Methodology	4	4/0/0
PHY82MN04604	Classical Electrodynamics (Minor for other Department within Discipline)	4^B	4/0/0
	Minor from other Department within Discipline	4	
Total Credit		**20**	

Bachelor of Science Honours with Research (Physics)			
Course Code	**Course Title**	**Credit**	
Semester - VIII		**C**	**L/T/P**
PHY82MN04712	Projects	12	0/0/12
PHY82MJ04804	Advanced Physics Lab	4	0/0/4
	(Minor for other Department within Discipline)	4	
Total Credit		**20**	

Master of Science (Integrated) in Physics			
Course Code	**Course Title**	**Credit**	
Semester-IX (Specialization in Condensed Matter Physics)		**C**	**L/T/P**
PHY91MJ04904	Condensed Matter Physics	4	4/0/0
PHY91MJ05004	Condense Matter Physics Lab – I	4	0/0/4
PHY91MJ05104	Physics of Materials	4	4/0/0
PHY91MJ05204	Experimental Techniques	4	4/0/0
	From Optional Major[A]	4	
Total Credit		**20**	
Semester-X (Specialization in Condensed Matter Physics)		**C**	**L/T/P**
PHY92MJ05304	Advanced Condensed Matter Physics	4	4/0/0
PHY92MJ05404	Condensed Matter Physics Lab – II	4	0/0/4
PHY92MJ05504	Solid State Devices	4	4/0/0
PHY92MJ05604	Dissertation	4	0/0/4
	From Optional Major[A]	4	
PHY92MJ05720	Project (Condense Matter Physics)	20[E]	
Total Credit		**20**	

Course Code	Course Title	Credit	
Semester-IX (Specialization in Nuclear and Particle Physics)		**C**	**L/T/P**
PHY91MJ05804	Advance Nuclear Physics	4	4/0/0
PHY91MJ05904	Nuclear and Particle Physics Lab. – I	4	0/0/4
PHY91MJ06004	Introduction of Astrophysics	4	4/0/0
PHY91MJ06104	Nuclear Reactor Physics	4	4/0/0
PHY91MJ06204	Experimental Techniques	4	4/0/0
Total Credit		**20**	

Course Code	Course Title	Credit	
Semester - X (Specialization in Nuclear and Particle Physics)		**C**	**L/T/P**
PHY92MJ06304	Advanced Particle Physics	4	4/0/0
PHY92MJ06404	Nuclear and Particle Physics Lab. – II	4	0/0/4
PHY92MJ06504	Computational and Simulation	4	4/0/0
PHY92MJ06604	Particle Accelerator Physics	4	4/0/0
PHY92MJ06704	Dissertation	4	0/0/4
PHY92MJ06820	Project (Nuclear Physics/High Energy Physics)	20^E	
Total Credit		**20**	

A: Other Major Course

S. No.	Course Code	Course Name
1	PHY91MJ06904	Physics of Magnetism and Spintronics
4	PHY91MJ07004	Fundamentals of Scanning Probe Microscopy
2	PHY92MJ07104	Nanoscience and Nanotechnology
3	PHY92MJ07204	Renewable Energy: Solar and Hydrogen
6	PHY92MJ07304	Nanoelectronics
7	PHY92MJ07404	Low temperature physics

B: Students enrolled in Integrated M. Sc. /B.Sc.(Physics)/B.Sc.(Honours) / (Research) should obtained 4 credits of minor from the different department of same disciplinary.

C: Students enrolled in Integrated M. Sc. /B.Sc.(Physics)/B.Sc.(Honours) / (Research) should obtained 3 credits of minor from the different department from multidisciplinary. Minor and multidisciplinary course will be suggested by Department of Physics.

D: Students enrolled in Integrated M. Sc. /B.Sc.(Physics)/B.Sc.(Honours) / (Research) should obtained 2 credit from School of Languages and Literature.

E: Students may undertake a 20-credit project in Semester X.

M.Sc. in Physics

Objectives:
The objectives of this program are to cater and to meet the needs and aspirations of contemporary M.Sc. Physics students. It is tailored to incorporate the essential ingredients of multifaceted education and research for this rapidly changing world. This program aims to
(i) provide the much needed and strong foundation in Physics so that students can develop the ability to apply the knowledge of Physics in any allied fields,
(ii) help students to develop programming proficiency with high end software for both computation and automation,
(iii) give students an opportunity to use advanced laboratory equipment to get acquainted with them,
(iv) present a platform to students for training in both mechanical and electronic hardware for basic and applied research,
(v) offer necessary soft skills to the students to build their professional career,
(vi) to make the students well aware about the radiation safety and precautions that will help the society to make their life better,

(vii) to enhanced their knowledge in the area of nuclear and particle physics that will help in making their contribution in country's nuclear energy and national security and safety programmes.

Course Structure:

Course Code	Course Title	Credit
Semester-I		
PHY81DC20104	Mathematical Physics	4
PHY81DC20203	Classical Mechanics	3
PHY81DC20304	General Physics Lab. – I	4
PHY81DE20403	Electronics	3
PHY81DE20502	Molecular Physics	2
PHY81SW20604	Elective – I (From other department)/ Swayam Course*	4
PHY81ME20700	Fundamentals of Indian Knowledge Systems (Mandatory)	0
	Total Credits	**20**
Course Code	**Course Title**	**Credit**
Semester - II		
PHY82DC20804	Quantum Mechanics	4
PHY82DC20904	Introduction of Research Methodology	4
PHY82DC21004	General Physics Lab. – II	4
PHY82DE21102	Classical Electrodynamics	2
PHY82DE21202	Nuclear and Particle Physics	2
PHY82DE21302	Solid State Physics	2
PHY82SW21404	Elective – II (From other department)/ Swayam Course*	4
PHY82ME21500	Indian Knowledge Systems in modern context (Mandatory)	0
Total Credit		**22**

Course Code	Course Title	Credit
Semester-III (Specialization in Condensed Matter Physics)		
PHY91DC21603	Condensed Matter Physics	3
PHY91DC21704	Condense Matter Physics Lab – I	4
PHY91DC21806	Dissertation**	6**
PHY91DE21903	Experimental Techniques for Material Science	3
PHY91DE22004	Solid State Devices	4
	Elective (from Bucket)	3
	Elective (from Bucket)	3
Total Credit		**20**

Course Code	Course Title	Credit
Semester-IV (Specialization in Condensed Matter Physics)		
PHY92DC22104	Advanced Condensed Matter Physics	4
PHY92DC22204	Condensed Matter Physics Lab – II	4
PHY92DC21806	Dissertation**	6**
	Elective (from Bucket)	4
Total Credit		**18**

Course Code	Course Title	Credit
Semester-III (Specialization in Nuclear and Particle Physics)		
PHY91DC22304	Advance Nuclear Physics	4
PHY91DC22404	Nuclear & Particle Physics Lab. – I	4
PHY91DC21806	Dissertation**	6**
PHY91DE22504	Introduction of Astroparticles	4
PHY91DE22604	Nuclear Reactor Physics	4
PHY91DE22704	Experimental Techniques in Nuclear and Particle Physics	4
Total Credit		**20**

Course Code	Course Title	Credit
Semester - IV (Specialization in Nuclear and Particle Physics)		
PHY92DC22804	Advanced Particle Physics	4
PHY92DC22904	Nuclear & Particle Physics Lab. – II	4
PHY92DC21806	Dissertation	6*
PHY92DE23004	Particle Accelerator Physics	4
Total Credit		**18**

Elective Bucket

Course Code	Course Name
PHY82DE23102	Statistical Mechanics
PHY91DE23203	Crystallography, Crystal Structures and Diffraction Techniques
PHY91DE23303	Material Science
PHY91DE23403	Alloy Design and Development
PHY91DE23503	Fundamentals of Scanning Probe Microscop
PHY92DE23604	Low temperature physics
PHY92DE23704	Renewable Energy: Solar and Hydrogen
PHY92DE23804	Nanoscience and Nanotechnology
PHY92DE23904	Physics of Magnetism and Spintronics
PHY92DE24004	Nanoelectronics
PHY92DE24104	Statistical Analysis Techniques in Nuclear and Particle Physics
PHY81OE24204[†]	Biography of Indian Scientists
PHY92OE24304[†]	Ancient Indian Sciences
PHY91OE22304[†]	Elements of Ancient Indian Sciences

* The department will suggest a few courses from Swayam based on availability of Physics related courses at the portal.

** Total credit of Dissertation will be reflected in the mark sheet of 4th semester.

† The open elective courses may be floated by the department in any of the odd or the even semesters (as the case may be) irrespective of the specific semester mentioned in course structure/syllabus/course code. Also, the students may opt for these courses irrespective of the semester they are registered in (provided they have enough knowledge of the prerequisites). Note: Minimum 10 students for elective course

Ph.D. in Physics

The Department of Physics focuses its research on diverse areas, including hard and soft condensed matter physics, spectroscopy, nanoscience and nanotechnology, materials science, and Nuclear and Astroparticle Physics. Looking ahead, the department plans to expand its research horizons by incorporating fields such as computational physics, theoretical biophysics, and space physics.

As a prerequisite to commencing their doctoral research, all students are required to complete a rigorous coursework component to build a strong foundation for their Ph.D. thesis.

The tentative course work structure, subjected to the approval from the Board of Studies, is as follows:

Course Code	Course Title	Credit
PHY 901	Research Methodology	4
PHY 902	Theoretical and Experimental Techniques of Physics Research	4
PHY 903	Review, Report and Seminar	2
PHY 904	Research and Publication Ethics (RPE)	2
		12

Brief Profile of Faculty Members

	Prof. Venktesh Singh Professor & Head **Specialization:** Nuclear and Astroparticle Physics		**Dr. Budhendra Singh,** Professor **Specialization**: Condensed Matter Physics/ Material Science/ Solid State Physics
	Dr. Vijay Raj Singh, Professor **Specialization:** Experimental Condensed Matter Physics/ Material Sciences		**Dr. Akhilananda Kumar** Assistant Professor Ph.D. JNU, New Delhi Specilization - Superconductivity (theory), Nano-science and technology (theory), Metallic glasses (experimental).

	Dr. Lakhwinder Singh, Assistant Professor **Specialization:** Nuclear and Particle Physics		**Dr. Rohit Ranjan Shahi**, Assistant Professor **Specialization:** Experimental Condensed Matter Physics, Material Science
	Dr. Nitin Chandra, Assistant Professor Specialization: Theoretical and Mathematical Physics, Ancient Indian Sciences, Sustainable Lifestyle.		

Department of Chemistry

The Department of Chemistry, under the School of Physical and Chemical Sciences, is a vital part of the university, composed of dynamic faculty members and research scholars who are actively engaged in creating and disseminating knowledge at the forefront of Chemical Sciences. Recognized as a central science due to its wide-ranging impact on biological and physical sciences, chemistry plays a crucial role in addressing some of humanity's greatest challenges, including energy, disease, and environmental sustainability. The department emphasizes an interdisciplinary approach to learning and fosters a culture of excellence, nurturing undergraduate students to compete at both national and international levels, as evidenced by their achievements such as selection for summer research fellowships from the National Academies of Sciences and accolades at the National Science Film Festival. Building on this foundation, the department introduced its postgraduate programme in 2018-19 and is now strengthening its research focus with the launch of the Ph.D. programme in the 2019-20 academic session. With the Ph.D. programme's initiation, the department aims to achieve new milestones and produce globally competent chemists capable of solving pressing problems facing the nation.

Laboratory Facilities & Resources

There are two laboratories in the department. Each lab is spacious enough to accommodate 40 students at a time. There are six working platforms (island tables) and four fumehoods fitted with inlet & outlets for water, LPG and nitrogen to perform the experiments. The lab is equipped with the sophisticated instruments, glassware, plasticware, chemicals & other lab peripherals. The sophisticated instruments available in the labs are as follows

- UV-Visible absorption spectrophotometer
- UV-Vis-NIR absorption spectrophotometer

- Digital pH Mater
- Digital Conductivity meter,
- Digital Thermometer
- Ultrasonicator
- Ice-Flaker
- Magnetic Stirrer cum hot plate (ceramic top)
- Incubator & Shaker
- Circulating water bath with temperature control ($5\,^{\circ}C$ to $80\,^{\circ}C$)

FTIR and Luminescence spectrometers are in advanced stages of procurement and are likely to be installed in the upcoming session 2019-20

Five Years Integrated UG-PG Programme in Chemistry

The five-year programme has been meticulously designed in alignment with the National Education Policy (NEP 2020), which envisions an education system that is inquiry-driven, discovery-oriented, learner-centered, and discussion-based. Implementing the choice-based credit system (CBCS), the programme offers multiple entry and exit options, allowing students to graduate with a B.Sc., B.Sc. (Hons.), B.Sc. (Hons. with Research), or M.Sc. degree.

This unique programme is tailored for young minds with a passion for chemistry and a desire to explore the frontiers of science. It integrates core areas of chemistry—Organic, Inorganic, and Physical—with emerging fields such as Nano Chemistry, Medicinal Chemistry, Agro-Chemistry, and Green Chemistry. By providing a solid foundation in chemistry, it equips students with essential knowledge and skills in interdisciplinary domains like green science and technologies, which are vital for global sustainable development. To further enhance their expertise, Computational Chemistry and Medicinal Chemistry have been incorporated into the curriculum.

Additionally, the programme includes courses inspired by the rich scientific heritage of ancient and medieval India. These courses aim to inspire students and enable them to judiciously blend ancient wisdom with modern perspectives to address a broad spectrum of challenges.

Objectives:

The programme envisages creating good bench strength of future scientists and contribute to the scientific advancement of the nation. The objectives of the programme are as follows:

- Providing a learning platform for young minds incorporating all the key components of National Education Policy (NEP) 2020
- Laying a strong foundation in chemistry by imparting sound knowledge and thorough understanding of theoretical as well as experimental aspects of Chemistry.
- Developing critical thinking and problem-solving abilities through core courses;
- Widening the horizons with broader knowledge base through minor, multidisciplinary, value-added courses.
- Imparting necessary laboratory skills along with hands-on training on sophisticated equipment.
- Training the students to become good researchers through Honours' and Masters' dissertation work

Outcomes:

The major outcomes of the programme would be as following:

- Achieving the avowed objectives of National Education policy 2020 and provide multiple entry and exit

option to students.

- Well-nurtured young minds with good understanding of core concepts of chemistry.
- Transforming students into globally competent chemists who can provide scientific solutions to some of the pressing problems of the mankind.
- Creating a platform for all-round development of the students
- Making chemistry professionals for academia and industry.
- Creating a good bench strength of future scientists and academicians.

Future Prospects

There are abundant opportunities and excellent employability prospects for chemists equipped with sound knowledge, analytical skills, and hands-on training with sophisticated instruments. The chemical industry is one of India's largest manufacturing sectors and plays a pivotal role in the nation's economic growth, accounting for 13–14% of total exports. In terms of production volume, it ranks as the twelfth-largest globally and the third-largest in Asia. Despite its scale, the per capita consumption of chemical products in India is just one-tenth of the world average, highlighting immense potential for expansion. Government initiatives such as the "Make in India" and "Atmanirbhar Bharat" schemes have provided additional momentum to the sector. For sustainable and environmentally friendly growth, the industry is now focusing on adopting cutting-edge technologies, including green chemistry and nanotechnology, creating promising career opportunities for young chemists.
In addition to careers within the chemical industry, interdisciplinary training in renewable energy, molecular theranostics, green science, and nanotechnology equips students to diversify into other sectors such as energy, photovoltaics, photonics, biosensing, and healthcare. The curriculum has been thoughtfully designed to stay aligned with the evolving times. In the long term, the programme is envisioned to produce globally competent chemists with innovative and transformative ideas. By mastering the intricacies of chemistry, these young scientists will contribute to tackling some of the world's most pressing challenges, such as developing clean, affordable energy, biomedical devices and drugs for disease treatment, bio-sensing technologies, and environmental remediation.

5 Year Integrated UG-PG in Chemistry:

Course Structure

Undergraduate Certificate in Chemistry				
Semester I				
Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
Major* (*minor for other disciplines)	CHE51MJ00104	Inorganic & Physical Chemistry-I	4 (3+1+0)	4
Minor		From other Dept.	4	4
Multidisciplinary course	CHE51MD00203	Chemistry in Everyday Life	3 (3+0+0)	3
Ability Enhancement Course		Language Proficiency courses (English, Hindi, others)	2 (2+0+0)	2
Skill Enhancement course	CHE51SE00303	Inorganic & Physical Chemistry Lab-I	3 (0+0+3)	6

Value Added course	CHE51VA00402	Scientific Heritage of Ancient and Medieval India	2 (2+0+0)	**2**
Value added Course		From Other Dept.	2	2
		Total	**20**	**23**

<table>
<tr><td colspan="5" align="center">Semester II</td></tr>
<tr><th>Nature of course</th><th>Course Code</th><th>Course title</th><th>Credit of course (L+T+P)</th><th>Class hours/ week</th></tr>
<tr><td>Major*
(*minor for other disciplines)</td><td>CHE52MJ00504</td><td>Organic Chemistry-I</td><td>4
(3+1+0)</td><td>4</td></tr>
<tr><td>Minor</td><td></td><td>From other dept.</td><td>4</td><td>4</td></tr>
<tr><td>Multidisciplinary course</td><td>CHE52MD00603</td><td>Industrial Chemistry</td><td>3
(3+0+0)</td><td>3</td></tr>
<tr><td>Ability Enhancement Course</td><td></td><td>Language Proficiency courses (English, Hindi, others)</td><td>2</td><td>2</td></tr>
<tr><td>Skill Enhancement course</td><td>CHE52SE00703</td><td>Organic Chemistry Lab-I</td><td>3
(0+0+3)</td><td>6</td></tr>
<tr><td>Value Added course</td><td>CHE52VA00802</td><td>Chemistry of Ayurveda</td><td>2
(2+1+0)</td><td>2</td></tr>
<tr><td>Value added Course</td><td></td><td>From Other Dept.</td><td>2</td><td>2</td></tr>
<tr><td></td><td></td><td align="right">Total</td><td>20</td><td>23</td></tr>
</table>

<table>
<tr><td colspan="5" align="center">Undergraduate Diploma in Chemistry</td></tr>
<tr><td colspan="5" align="center">Semester III</td></tr>
<tr><th>Nature of course</th><th>Course Code</th><th>Course title</th><th>Credit of course (L+T+P)</th><th>Class hours/ week</th></tr>
<tr><td>Major*
(*minor for other disciplines)</td><td>CHE61MJ00904</td><td>Inorganic Chem.-II</td><td>4
(3+1+0)</td><td>4</td></tr>
<tr><td>Major*
(*minor for other disciplines)</td><td>CHE61MJ01004</td><td>Physical Chem.-II</td><td>4
(3+1+0)</td><td>4</td></tr>
<tr><td>Minor</td><td></td><td>From other dept.</td><td>4</td><td>4</td></tr>
<tr><td>Multidisciplinary course</td><td>CHE61MD01103</td><td>Green Energy Systems</td><td>3
(3+0+0)</td><td>3</td></tr>
<tr><td>Ability Enhancement Course</td><td></td><td>Language Proficiency courses</td><td>2</td><td>2</td></tr>
</table>

Skill Enhancement course	**CHE61SE01203**	Inorganic & Physical Chemistry Lab-II	**3** (0+0+3)	**6**
		Total	**20**	**23**

Semester IV

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week
Major* (*minor for other disciplines)	**CHE62MJ01304**	Inorganic Chemistry-III	**4** (3+1+0)	**4**
Major* (*minor for other disciplines	**CHE62MJ01404**	Organic Chemistry-II	**4** (3+1+0)	**4**
Major	**CHE62MJ01504**	Organic Chemistry Lab -II	**4** (0+0+4)	**8**
Major	**CHE62MJ01602**	Physical Chemistry-III	**2** (2+0+0)	**2**
Minor		From other Dept.	4	4
Ability Enhancement Course		Language Proficiency courses (English, Hindi, others)	2	2
		Total	**20**	**24**

Bachelor of Science in Chemistry

Semester-V

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
Major* (*minor for other disciplines)	**CHE71MJ01704**	Physical Chemistry-IV	**4** (3+1+0)	**4**
Major* (*minor for other disciplines	**CHE71MJ01804**	Organic Chemistry-III	**4** (3+1+0)	**4**
Major	**CHE71MJ01904**	Physical Chemistry Lab -II	**4** (0+0+4)	**8**
Major	**CHE71MJ02002**	Inorganic	**2**	**2**

		Chemistry-IV	(2+0+0)	
Minor		From other dept.	4	**4**
Internship	**CHE71IS02102**	Internship	**2**	**2**
		Total	**20**	**24**

Semester-VI

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week
Major* (*minor for other disciplines)	**CHE72MJ02204**	Inorganic Chemistry-V	**4** (3+1+0)	**4**
Major* (*minor for other disciplines	**CHE72MJ02304**	Physical Chemistry-V	**4** (3+1+0)	**4**
Major	**CHE72MJ02404**	Inorganic Chemistry Lab - II	**4** (0+0+4)	**8**
Major	**CHE72MJ02504**	Organic Chemistry-IV	**4** (3+1+0)	**4**
Minor		From other dept.	4	4
Total			**20**	**24**

B.Sc. (Honours) in Chemistry or B.Sc. (Honours with Research) in Chemistry				
Semester VII				
Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
Major* (*minor for other disciplines)	**CHE81MJ02604**	Advanced Inorganic Chemistry-I	**4** (3+1+0)	**4**
Major * (*minor for other disciplines	**CHE81MJ02704**	Advanced Organic Chemistry-I	**4** (3+1+0)	**4**
Major* (*minor for other disciplines)	**CHE81MJ02804**	Advanced Physical Chemistry -I	**4** (3+1+0)	**4**

Major	CHE81MJ02904	Advanced Inorganic Chemistry Lab	**4** (0+0+4)	**8**
Minor (OEIC)		From other Dept.	4	4
		Total	**20**	**24**

Semester VIII

Option I: B.Sc. (Honours) in Chemistry

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week
Major* (*minor for other disciplines)	CHE82MJ03004	Advanced Instrumental Techniques	**4** (3+1+0)	**4**
Major	CHE82MJ03104	Advanced Physical Chemistry Lab	4 (0+0+4)	8
Major	CHE82DE…..	Core Elective 1[A]	4 (3+1+0)	4
Major	CHE82DE…..	Core Elective 2[A]	4 (3+1+0)	4
Minor (OEIC)		From other Dept.	4	4
Total			**20**	**24**

[A] to be selected from the elective basket 'A' of the Dept.

Option II[#]: B.Sc. (Honours with Research) in Chemistry

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week
Major* (*minor for other disciplines)	CHE82MJ03204	Advanced Instrumental Techniques	**4** (3+1+0)	**4**
Major	CHE82MJ03304	Advanced Physical Chemistry Lab	**4** (0+0+4)	**8**
Major	CHE82MJ03412	Project	**12** (0+0+12)	**24**
Minor (OEIC)		From other Dept.	4	**4**
		Total	**24**	**40**

[#]Only for students securing CGPA of 7.5 or above in Sem. VI of the programme

Master of Science in Chemistry

Semester-IX

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
Major	**CHE91MJ.3504**	Molecular Spectroscopy	**4** (3+1+0)	**4**
Major	**CHE91MJ03604**	Advanced Organic Chemistry Lab	**4** (0+0+4)	**8**
Major	**CHE91DE…..**	Core Elective 3[B]	**4** (3+1+0)	**4**
Major	**CHE91DE…..**	Core Elective 4[B]	**4** (3+1+0)	**4**
Major	**CHE91MJ03704**	Dissertation*	**4** (0+0+4)	**8**
		Total	**20**	**28**

[B]Courses to be selected from the elective basket 'B' of specialization papers

*Projects will be assigned and the evaluation in semester IX (4Cr) will be based on literature review report submitted and the presentation -cum-viva voce examination. The experimental work will continue and the final dissertation will be submitted in semester X.

Semester-X				
Option I: M.Sc. in Chemistry				
Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week
Major	**CHE92MJ03804**	Phase Equilibria and Statistical Thermodynamics	**4** (3+1+0)	**4**
Major	**CHE92MJ03908**	Dissertation	**8** (0+0+8)	**16**
Major	**CHE92DE…..**	Core Elective 3[C]	**4** (3+1+0)	**4**
Major	**CHE92DE…..**	Core Elective 4[C]	**4** (3+1+0)	**4**
		Total	**20**	**28**
[C]Courses to be selected from the elective basket 'Ç' of specialization papers				
Semester-X				
Option II[#]: M.Sc. in Chemistry				
Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/week

Major	CHE92MJ04004	Phase Equilibria and Statistical Thermodynamics	**4** (3+1+0)	**4**
Major	**CHE92MJ04108**	Dissertation	**16** (0+0+16)	**32**
		Total	**20**	**36**
\#Only for students securing CGPA of 7.5 or above in Sem. VI of the programme				

Elective Basket 'A' [For students opting for B.Sc. (Hons.) in Semester VIII]				
Nature of Course	**Course Code No.**	**Course Title**	**Credit of course (L+T+P)**	**Class hours/ week**
Core Elective	**04204**	Basics of Supramolecules and Its Advancement	4 (3+1+0)	**4**
Core Elective	**04304**	Green Chemistry I: Solvents & Synthesis	4 (3+1+0)	**4**
Core Elective	**04404**	Solid State and Structural Chemistry	4 (3+1+0)	**4**
Core Elective	**04504**	Green Chemistry II: Catalysis	4 (3+1+0)	**4**
Core Elective	**04604**	Nucleoside, Advances in Nucleic Acid and Proteins	4 (3+1+0)	**4**
Core Elective	**04704**	Chemistry of Natural Products	4 (3+1+0)	**4**
Core Elective	**04804**	Agrochemicals	4 (3+1+0)	**4**
Core Elective	**04904**	Nano Chemistry	4 (3+1+0)	**4**

Note: A few of these courses would be floated at the beginning of semester-VIII,
out of which two courses will have to be opted by the students of B.Sc. Hons. Or PG Diploma in Chemistry

Elective Basket 'B' [to be opted in Semester IX according to the specialization]				
Nature of Course	**Course Code No.**	**Course Title**	**Credit of course (L+T+P)**	**Class hours/ week**
Core Electives (for specialization	**05004**	Inorganic Materials and Their Applications	4 (3+1+0)	4

Nature of Course	Course Code No.	Course Title	Credit of course (L+T+P)	Class hours/ week
in Inorganic Chemistry)	05104	Inorganic Reaction Mechanism, Organometallics and Advanced Bioinorganic Chemistry	4 (3+1+0)	4
Core Electives (for specialization in Organic Chemistry)	05204	Modern Organic Synthesis	4 (3+1+0)	4
	05304	Chemistry of Biomolecules	4 (3+1+0)	4
Core Electives (for specialization in Physical Chemistry)	05404	Applied Electrochemistry	4 (3+1+0)	4
	05504	Advanced Photochemistry	4 (3+1+0)	4

Elective Basket 'C' [to be opted in Semester X according to the specialization]				
Nature of Course	**Course Code No.**	**Course Title**	**Credit of course (L+T+P)**	**Class hours/ week**
Core Electives (for specialization in Inorganic Chemistry)	05604	Chemistry of Materials	4 (3+1+0)	4
	05704	Applications of Spectroscopy Techniques to Inorganic Systems	4 (3+1+0)	4
Core Electives (for specialization in Organic Chemistry)	05804	Advanced Medicinal Chemistry	4 (3+1+0)	4
	05904	Spectroscopy and Chiroptical Properties	4 (3+1+0)	4
Core Electives (for specialization in Physical Chemistry)	06004	Advanced Quantum Mechanics and Surface Chemistry	4 (3+1+0)	4
	06104	Lasers in Chemistry	4 (3+1+0)	4

Important Points to note:

I. The numbers of students opting for B.Sc. (Hons with Research) will be capped to a maximum of 50% of the total strength.

II. While augmenting the seats in lateral entry scheme, the department's capacity will also be considered and a capping may be defined by the departmental committee

III. The multidisciplinary courses available in the university or on the SWAYAM portal will be reviewed and students can choose any course approved by the departmental committee.

IV. The suitability of other courses on SWAYAM portal for minor, major, AEC, SEC, VACs will be checked and students can opt for the courses approved by the departmental committee.

V. Allotment of different branches of specialization will be done at the end of eighth (8) semester. An order of preference must be submitted by each student for the three different specializations, Organic, Inorganic or Physical Chemistry. Based on the two parameters, the choice and performance upto 8th semester, the specialization will be allotted subject to maximum of 40% of total strength of students in one specialization.

M.Sc. in Chemistry

The programme is designed for students with a keen interest in chemistry and a strong desire to explore the frontiers of science. It offers a unique blend of core chemistry subjects—Organic, Inorganic, and Physical—with emerging fields like Nano Chemistry and Green Chemistry. Alongside a solid foundation in chemistry, the programme equips students with knowledge and skills in the interdisciplinary area of green nanotechnology, a crucial component for sustainable global development. To enhance their academic and practical expertise, Computational Chemistry and Medicinal Chemistry have also been incorporated into the curriculum.

Following the choice-based credit system (CBCS), students enjoy the flexibility to select courses from elective baskets offered by the department or other departments. They are also encouraged to choose online courses available on the SWAYAM (Study Webs of Active–Learning for Young Aspiring Minds) portal, further enriching their learning experience. The programme envisions cultivating a strong pool of future scientists capable of addressing diverse scientific challenges and contributing to the nation's progress.

Chemists possessing sound knowledge, analytical skills, and hands-on training with sophisticated instruments have excellent employability opportunities. The chemical industry, a vital sector of India's economy, is among the nation's largest manufacturing industries, currently accounting for 13–14% of total exports. Globally, it ranks as the twelfth-largest in production volume and third-largest in Asia. Despite this scale, the per capita consumption of chemical products in India remains one-tenth of the world average, highlighting immense potential for growth. Government initiatives such as the "Make in India" scheme have further bolstered the sector. For sustainable and environmentally-friendly development, the industry is increasingly adopting advanced technologies like green chemistry and nanotechnology, creating exciting career opportunities for young chemists.

Beyond the chemical industry, training in the interdisciplinary area of green nanotechnology allows students to diversify into other domains, including energy, photovoltaics, photonics, biosensing, and healthcare. Designed to adapt to evolving times, the curriculum aims to produce globally competent chemists with innovative ideas. By mastering the nuances of chemistry, these young scientists are poised to develop new tools, products, and technologies to tackle some of the world's most pressing challenges, such as clean and affordable energy, biomedical devices and drugs for disease treatment, biosensing technologies, and environmental remediation.

List of Courses in M.Sc. Chemistry (80 Credits)

FIRST SEMESTER (ODD SEMESTER)

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
				L	T	P
CHE81DC01004	Advanced Inorganic Chemistry-I	4	100	3	1	0
CHE81DC02004	Advanced Organic Chemistry-I	4	100	3	1	0
CHE81DC03004	Advanced Physical Chemistry-I	4	100	3	1	0
CHE81DC01104	Inorganic Chemistry Lab	8	100	0	0	4
CHE81OE - - - 04 / CHE81SW - - - 04	**Open Elective (Inter-School or Inter Department or SWAYAM elective)**	4	100	4	0	0
CHE81ME00100	**Need To choose from the Given basket***	2	50	0	0	0
Minimum Credits required for Semester I				**20**		

SECOND SEMESTER (EVEN SEMESTER)

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
	Semester II			L	T	P
CHE82DC01204	Photochemical and magnetic properties of complexes	4	100	3	1	0
CHE82DC02204	Reaction Mechanism (II), Pericyclic and Photochemical Reactions	4	100	3	1	0
CHE82DC03204	Physical Chemistry Lab (Vocational Course)	8	100	0	0	4
CHE82DC04004	Research Methodology	4	100	3	1	0
CHE82DC03104	Quantum Chemistry	4	100	3	1	0
CHE82ME00200	Need To choose from the Given basket*	2	50	0	0	0
Minimum Credits required for Semester II				20		

THIRD SEMESTER (ODD SEMESTER)

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
	Semester III			L	T	P
CHE91DC02104	Organic Chemistry Lab	8	100	0	0	4
CHE91DC03304	Molecular Spectroscopy	4	100	3	1	0
DBCC/ DBCE	Organic/ Inorganic/Physical Specialization Paper* (any one)					
CHE91DC01304	Inorganic Materials and their applications	4	100	3	1	0
CHE91DC02304	Modern Organic Synthesis	4	100	3	1	0
CHE91DC03404	Applied Electrochemistry	4	100	3	1	0
DBCC/ DBCE	Organic/ Inorganic/Physical Specialization Paper* (any one)					
CHE91DC01404	Inorganic Reaction Mechanism, Organometallics and Advance	4	100	3	1	0

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
				L	T	P
	Bioinorganic Chemistry					
CHE91DC024 04	Chemistry of Biomolecules	4	100	3	1	0
CHE91DC035 04	Advanced Photochemistry	4	100	3	1	0
CHE91OE--- 04 / CHE81SW--- 04	**Open Elective (Inter-School or Inter-Department or SWAYAM elective)**	4	100	4	0	0
CHE91ME00 300	**Need To choose from the Given basket***	2	50	0	0	0
Minimum Credits required for Semester III				**20**		

FOURTH SEMESTER (EVEN SEMESTER)

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
	Semester IV			L	T	P
CHE92DC036 04	Surface Phenomena, Colloids and Statistical Thermodynamics	4	100	3	1	0
CHE92DC051 08	Scientific literature Survey and Dissertation Work*	16	200	2	0	6

or

Paper Code	Course Title	Theory/ Practical (Hrs/Week)	Total Marks	Credits		
CHE92DC061 04	Scientific literature Survey and Scientific Activities	4+4	100	2	0	2
CHE92DC070 04	Chemical Education	4	100	3	1	0
DBCC /DBCE	Organic/ Inorganic/Physical Specialization Paper*(any one)					
CHE92DC015 04	Chemistry of Materials	4	100	3	1	0
CHE92DC025 04	Advanced Medicinal Chemistry	4	100	3	1	0
CHE92DC037 04	Advanced Quantum Mechanics and Surface Chemistry	4	100	3	1	0
DBCC/ DBCE	Organic/ Inorganic/Physical Specialization Paper*(any one)					
CHE92DC016 04	Applications of spectroscopy techniques to inorganic systems	4	100	3	1	0
CHE92DC026	Spectroscopy and Chiroptical	4	100	3	1	0

04	properties					
CHE92DC038 04	Lasers in Chemistry	4	100	3	1	0
CHE92ME004 00	Need To choose from the Given basket*	2	50	0	0	0
Minimum Credits required for Semester IV				**20**		

1. Based on the choice and performance up to the second semester, students will be assigned projects under the supervision of various faculty members at the start of semester III.
2. The students will be required to carry out a thorough literature survey on the assigned topic and submit the report at the end of semester-III (equivalent to 2 Credits to be assigned at the end of semester-IV) and propose a research plan for the project work to be conducted in semester IV.
3. Based on the project work done in semester-IV, students will write and submit the dissertation. Evaluation will be done based on report submissions, presentations and open viva-voce examination which will be conducted at the end of semester-IV. The total of 8 credits will be assigned to the students for the entire course (2 for Sci. Lit. survey + 6 for Dissertation work).

#Note:
(i) Students can choose any two courses from the MENC basket of any department/school of the university or the SWAYAM portal.
(ii) The MENC basket of the Department of Chemistry is given below.

ELECTIVES COURSES

For DBCE/OEIC

Code No.	Title	Theory/Practical (Hrs/Week)	Credits L/T/P
DE01004/ OE01004	Basics of Supramolecules and its advancement	4	3/1/0
DE02004/ OE02004	Green Chemistry I: Solvents & Synthesis	4	3/1/0
DE03004/ OE03004	Solid State and Structural Chemistry	4	3/1/0
DE03104/ OE03104	Advanced Instrumental Techniques-I	4	3/1/0
DE02104/ OE02104	Green Chemistry II: Catalysis	4	3/1/0
DE02204/ OE02204	Nucleoside, Advances in Nucleic Acid and Proteins	4	3/1/0
DE02304/ OE02304	Chemistry of Natural Products	4	3/1/0

DE02404/ OE02404	Agrochemicals	**4**	**3/1/0**
DE03204/ OE03204	Nano Chemistry	**4**	**3/1/0**
DE03304/ OE03304	Advanced Instrumental Techniques-II	**4**	**3/1/0**
DE02504/ OE02504	Green Energy Systems	**4**	**3/1/0**
DE03402/ OE03402	Fundamentals of Nuclear Chemistry	**4**	**3/1/0**

MENC Non-Credit Course

Code No.	Title	Theory/Practical (Hrs/Week)	Total Marks	Credits
ME00100	Contributions of Ancient, Medieval and Contemporary Indian Chemists	**2**	No Grading	**0**
ME00200	Science Communication	**2**	No Grading	**0**
MENC Course on SWAYAM Platform				
ME00200	Academic writing (H.N.B. Garwhal University, Dr. Ajay Semalty)		12 Weeks	**0**

SWAYAM COURSES (OEIC)

Approved by Department of Chemistry*

S.No.	Course Code	Swayam Course	Course Offered By	Course Duration
1.	SW01004	Transition mental organometallics in catalysis and biology	IIT Bombay Prof. P. Ghosh	12 Weeks
2.	SW02004	Medicinal Chemistry	IISER Pune Prof. Harinath Chakrapani	12 Weeks
3.	SW03004	Molecular Spectroscopy	IIT Bombay Prof. Anindya Datta	12 Weeks
4.	SW01104	Industrial Inorganic Chemistry	Prof. Debashis Ray IIT Kharagpur	12 Weeks
5.	SW02104	Essential of biomolecules	Prof. Lal Mohan Kundu IIT	12 Weeks

		Nucleic Acid and Peptides	Guwahati	
6.	SW02204	Biochemistry	Prof. Swagata Dasgupta ITT Kharagpur	12 Weeks
7.	SW01204	Chemistry of Main Group Elements	Prof. M. S. Balakrishna IIT Bombay	12 Weeks
8.	SW02304	Biomass Characterization	Prof. K. Arun Kumar Central University of Kerala	12 Weeks
9.	SW02404	Reagents in Organic Synthesis	IIT Guwahati Prof. Subhas Chandra Pan	12 Weeks
10.	SW02504	Principles of Organic Synthesis	IIT Guwahati Prof. T. Punniyamurthy	12 Weeks
11.	SW03104	Chemical Crystallography	IISER Mohali Prof. Angshuman Roy Choudhury	12 Weeks
12.	SW01304	Biological Inorganic Chemistry	Prof. Debashis Ray IIT Kharagpur	12 Weeks
13.	SW02604	Drug Delivery: Principle and Engineering	Prof. Rachit Agarwal IISc Bangalore	12 Weeks
14.	SW03204	Analytical Chemistry	Prof. Debashis Ray IIT Kharagpur	12 Weeks
15.	SW03304	Biophysical Chemistry	Prof. Pramit K Chowdhury, IIT-Delhi	12 Weeks

*The list is dynamic one and is revised every semester by the departmental committee which may involve addition/deletion of a few courses depending on their availability and suitability to our academic programme

Ph.D. in Chemistry

The faculty members and students of the department are actively engaged in cutting-edge research at the frontiers of science. The launch of the Ph.D. programme in the upcoming academic session of 2019-20 marks a significant milestone, further strengthening and institutionalizing the culture of research and innovation.

Adopting an interdisciplinary approach, the department offers diverse research opportunities in areas such as nano-chemistry, materials chemistry, organic synthesis, medicinal chemistry, photochemistry, and catalysis,

among others. To foster groundbreaking discoveries, the department has established strong inter-institutional collaborations with renowned laboratories and universities.

Through this programme, students will develop advanced skills while working with state-of-the-art instruments and facilities. The ultimate objective is to nurture globally competent chemists who possess the ability to critically analyze problems and develop innovative scientific solutions. With a solid foundation in both theoretical knowledge and practical expertise, doctoral students will be equipped to tackle some of the world's most pressing challenges, including the energy crisis, advancements in lighting and displays, sanitation, diagnostics, therapeutics, and more.

Successful completion of the Ph.D. programme will enhance students' employability, enabling them to secure prestigious positions in leading research and academic institutions, both in India and globally.

List of Courses in PhD. Chemistry (Tentative)

Course Code	Course Title	Credit
CHE101DC00104	Research Methodology	4
CHE101DC00204	Tools & Techniques of Current Research Trends in Chemistry	4
CHE101DC0030/ CHE101OE00102	Research and Publication Ethics	2
CHE102DC00104	Research Proposal Preparation and Seminar Presentation	4
	Total Credits	14

Brief Profile of Faculty Members

	Dr. Amiya Priyam Professor & HoD Ph.D. (Jadavpur University, Kolkata) Specialization - Inorganic Chemistry Postdoctoral Fellow, Florida State University and National University of Singapore		**Prof. Atul Pratap Singh** Professor *Specialization:* Inorganic Chemistry
	Dr Jagannath Roy, Associate Professor Specialization: Inorganic and Applied Chemistry		**Dr. Angad Kumar Singh**, Assistant Professor **Specialization:** Organic / Coordination Chemistry

	Dr. Mahender Khatravath, Assistant Professor **Specialization:** Organic and Medicinal Chemistry		**Dr. Mouni Roy** Assistant Professor *Specialization:* Multidisciplinary Chemistry
	Dr. Girish Chandra Assistant Professor Ph.D. (IIT Bombay) Specialisation - Organic Chemistry Postdoctoral Fellow, Ewha Womans University, Seoul, South Korea		

SCHOOL OF SOCIAL SCIENCES & POLICY

In this age of global social, technological, and economic transformations, the School of Social Sciences and Policy (SSSP) is dedicated to understanding these changes and shaping them through education and research. Our mission is to empower students with the skills and confidence to embrace and influence change, supported by impactful, connected research guided by clear strategies aimed at benefiting the economy and society.

The school achieves its broad objectives through its five departments: the Department of Development Studies, the Department of Economic Studies and Policy, the Department of Sociological Studies, the Department of Political Studies, and the Department of Historical Studies and Archaeology. These departments collectively offer both Post-Graduate and Ph.D. programmes.

All departments under SSSP seamlessly integrate teaching with empirical research. The academic programmes are grounded in the emerging debates in both theoretical and empirical spheres, particularly in

disciplines relevant to the developing world. For teaching, research, and training, SSSP draws inspiration from global development experiences, while remaining deeply rooted in the study of local economies, societies, and political systems. The school's commitment is reflected in its active organization of seminars, workshops, and development dialogues, which form an integral part of its ethos.

In a world where social scientists are in high demand across government, industry, and non-profit sectors, a strong foundation in social sciences is essential for future generations. At SSSP, we believe that our education and research across diverse disciplines can address real-world challenges and drive meaningful change.

Department of Economic Studies and Policy

The Department of Economic Studies and Policy is committed to academic engagement with a unique perspective. While its primary focus lies in teaching the fundamental principles of economics, it actively seeks to explore new epistemologies in both theory and practice. The department continuously updates its course curriculum to reflect the evolving theoretical paradigms from diverse schools of thought, ensuring relevance and ontological depth.

A diverse knowledge base in economics and its societal implications remains central to the department's research pursuits. By nurturing the creative impulses of both faculty and students, the department fosters an environment for critical examination of existing theories and practices, paving the way for innovative spaces in academic discourse. Through this process, it contextualizes emerging theoretical advancements across local, sub-regional, national, and international dimensions.

With a vision to become a distinguished hub of learning, the department aspires to attract students and educators from across India and abroad. It also seeks to develop collaborations with other institutions to enhance teaching and research excellence.

5 Year Integrated UG-PG in Economics

About the Programme:

The vision of the Integrated Master's (UG-PG) programme in Economics is to offer a comprehensive, interdisciplinary education that fosters a profound understanding of Economics. This programme adopts a concentrated and holistic approach, enabling students to explore the subject within a multidisciplinary framework, striving for academic excellence and overall development.

The Integrated programme is designed to be flexible, offering a variety of options along with multi-level entry and exit points, ensuring accessibility and adaptability for diverse learners.

Programme Objectives:

The Objectives of the five-year (ten-semester) undergraduate –postgraduate (UG-PG) programme are to:

1. Provide an opportunity to student for multiple exit and entry.
2. Train the students on the ever-expanding knowledge base in economics – both theoretical and applied.
3. Impart multidisciplinary and interdisciplinary education through various courses, including the Indian Knowledge System.
4. Improve the students' analytical and quantitative skills.
5. Provide hands-on training on the analysis of data using modern econometric softwares.
6. Expose the students to the economic issues of the Global, National and Local Economies.
7. Introduce the basics of research methodology to the students and train them to apply this in their dissertations.

Program Learning Outcomes:

After successful completion of the program, the students will be able to:

1. Demonstrate comprehensive knowledge of economic theories and their applications.
2. Demonstrate understanding of interdisciplinary areas of economics.

3. Broaden the intellectual experience through the multidisciplinary courses.
4. Express ideas on economic and related issues effectively in writing and orally.
5. Demonstrate the ability to analyse data using econometric software packages.
6. Critically evaluate economic theories and policies with reasoning.
7. Demonstrate capacity to carry out research in economics and allied disciplines at a higher (doctoral) level.
8. Adopt a professional career in the corporate/ government sectors

Minimum Eligibility for admission
- The candidate must have passed Class XII or its equivalent examination (in Arts, Commerce or Science stream with Economics/Mathematics as a subject) corresponding to Level-4 from a recognized board.
- The candidate should clear Common University Entrance Test (CUET) with appropriate score as decided from time to time.

Different levels of Multiple Entry and Exit System and its credit requirements

Sl. No.	Entry Points	Basic Eligibility	Mode of Entrance
1	Semester 1	Class XII or its equivalent examination (in Arts, Commerce or Science stream with Economics/Mathematics as a subject).	Common University Entrance Test
2	Semester 3	40 Credits with a UG Certificate and 4 credits of skill enhancement Course	Counseling-cum-interaction comprising 100 marks
3	Semester 5	80 Credits with a UG Diploma and 4 credits of skill enhancement Course	Counseling-cum-interaction comprising 100 marks
4	Semester 7	120 Credits with a Degree of Bachelor of Arts	Counseling-cum-interaction comprising 100 marks
5	Semester 9	160 Credits with a Degree of Bachelor (Honours/Research)	Counseling-cum-interaction comprising 100 marks

Award of Certificate/ Diploma/ Degree along with multiple Exit Options

Sl. No.	Exit Points	Qualification Title	NHEQF Level
1	after completion of Semesters 1 & 2	UG Certificate in (Basic Economics)	Level 4.5
2	after completion of Semesters 1,2,3 & 4	UG Diploma in (Basic Economics)	Level 5
3	After completion of Semesters ,2,3,4,5 & 6	Bachelor of Arts in Economics	Level 5.5
4	After completion of Semesters 1,2,3,4,5, 6, 7 & 8	Bachelor of Arts in Economics (Honours/Research)	Level 6
5	After completion of Semesters 1,2,3,4,5, 6, 7, 8, 9 & 10	Master of Arts (Integrated) in Economics	Level 6.5

Types of courses:

Sl. No	Type	Definition
1.	Major Course (Core/Elective)	The Core Major Courses are those courses whose knowledge is deemed essential for the students registered for Integrated M.A. in Economics and the students admitted shall be required to study. These courses are compulsory as a core requirement.
2.	Minor Course	These courses help a student to gain a broader understanding beyond the major discipline.
3.	Multidisciplinary Course	All UG students are required to undergo 3 introductory-level courses relating to any of the broad disciplines relating to Natural and Physical Sciences / Mathematics, Statistics, and Computer

	Sl. No.	Course Code	Course Type	Course Title	Credit

				Applications / Library, Information, and Media Sciences / Commerce and Management / Humanities and Social Sciences. These courses are intended to broaden the intellectual experience and form part of liberal arts and science education. Students are not allowed to choose or repeat courses already undergone at the higher secondary level (12th class) in the proposed major and minor stream under this category.	
4.		Value Added Course (VAC)		These courses will be offered at the university level commonly for all students registered for various undergraduate programmes. These courses include Understanding India, Environmental Science, Health & Well-being / Yoga, Digital & Technological Solutions or any other course offered by the university from time to time. The credit for each of these courses will be in accordance with the university guidelines. One or two courses of these will be offered in each semester up to 2nd semester.	
5.		Ability Enhancement Course (AEC)		Students are required to achieve competency in a Modern Indian Language (MIL) and in the English language with special emphasis on language and communication skills.	
6.		Skill Enhancement Course (SEC)		These courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students.	
7.		Discipline Based Core Course (DBCC)		These are the foundational course which is to be compulsorily studied by a student as a core requirement to complete the requirement of the programme.	
8.		Discipline Based Core Elective Course (DBCE)		These are the elective foundational course, aimed to expand the understanding in a specific area, emerged from the foundational knowledge. The students have choice to choose the course from a basket of DBCE.	
9.		Open Elective (Interdisciplinary) Course (OEIC)		These courses are elective in nature, aimed to enable exposure to some other discipline or domain. The students have to choose the Open elective course from the other departments.	

Course Structure

	Sl. No.	Course Code	Course Type	Course Title	Credit
Semester I	1	ECO51MJ00104	Major	Introductory Microeconomics	4
	2		Minor	From other disciplines (History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	3		Multidisciplinary	*Offered by other departments*	3
		ECO51SW00203	Multidisciplinary	*SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	
	4		AEC	*Language paper approved/offered by the University/ Department of English and Foreign Languages.*	2
	5	ECO51SE00303	SEC	Basic Computer Skill for Economics	

		ECO51SW00403	SEC	Skill Enhancement Courses available in *SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	3

	6	ECO51VA00502	VAC	Early and Modern Economic Thought in India	
			VAC	*Common value added course approved/ Offered by the University or value added courses offered by other departments*	2 +2
		ECO51SW00602	VAC	*Course available online in SWAYAM/NPTEL/MOOCs relating to* Understanding India, Environmental science/education, Digital and technological solutions, Health & Wellness, Yoga education, sports, and fitness	
	Total Credits for Semester I				**20**
		ECO51MJ00104	Minor (for students of other department)	Introductory Microeconomics	4
		ECO51MD00703	Multidisciplinary (for students of other departments)	Basic Economics I	3
Semester II	1	ECO52MJ00804	Major	Introductory Macroeconomics	4
	2		Minor	From other disciplines ((History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	3		Multidisciplinary	*Offered by other departments*	3
		ECO52SW00903	Multidisciplinary	*SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	
	4		AEC	*Language paper approved/offered by University/Language paper approved/ offered by University/ Department of English and Foreign Languages.*	2
	5	ECO52SE01003	SEC	Databases on Indian Economy	3
		ECO52SW01103	SEC	Skill Enhancement Courses available in *SWAYAM/NPTEL/MOOCs approved by the Department*	

	6	ECO52VA01202	VAC	Understanding the Union and State Budget	
			VAC	*Common value added course approved/ Offered by the University or value added courses offered by other departments*	2 +2
		ECO52SW01302	VAC	*Course available online in SWAYAM/NPTEL/MOOCs relating to Understanding India, Environmental science/education, Digital and technological solutions, Health & Wellness, Yoga education, sports, and fitness*	
	Total Credits for Semester II				**20**
		ECO52MJ00804	Minor (for students of other departments)	Introductory Macroeconomics	4
		ECO52MD01403	Multidisciplinary (for students of other departments)	Basic Economics II	3
		ECO52MJ01504	Internship	Summer Internship I	4
Students exiting the programme after securing 40 credits will be awarded UG Certificate in Basic Economics provided they secure 4 credits in work based vocational courses offered during summer term or internship/Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester. The modalities shall be decided by the Departmental Council.				**44**	

	Sl. No.	Course Code	Course Type	Course Title	Credit
Semester III	1	ECO61MJ01604	Major	Intermediate Microeconomics	4
	2	ECO61MJ01704	Major	Mathematical Methods for Economics	4
	3		Minor	From other disciplines (History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	4		Multidisciplinary	*Offered by other departments*	3
		ECO61SW01803	Multidisciplinary	*SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	
	5		AEC	Language paper approved/offered by University/Language paper approved/ offered by University/ Department of English and Foreign Languages.	2

	6	ECO61SE01903	SEC	Introduction to Field Survey	
		ECO61SW02003	SEC	Skill Enhancement Courses available in *SWAYAM/NPTEL/MOOCs approved by the Department*	3
	Total Credits for Semester III				**20**
		ECO61MJ01604	Minor (for students of other departments)	Intermediate Microeconomics	4
		ECO61MD02103	Multidisciplinary (for students of other departments)	Understanding Indian Economy	3
Semester IV	1	ECO62MJ02204	Major	Intermediate Macroeconomics	4
	2	ECO62MJ02304	Major	Introductory Statistics for Economics	4
	3	ECO62MJ02404	Major	Introduction to International Economics	4
	4	ECO62MJ02502	Major	Introduction to Environmental Economics	2
	5		Minor	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	6		AEC	*Languagepaperapproved/offeredby University/Language paper approved/ offered by University/ Department of English and Foreign Languages.*	2
	Total Credits for Semester IV				**20**
		ECO62MJ02204	Minor (for students of other departments)	Intermediate Macroeconomics	4
		ECO62MJ02604	Internship/Summer Work	Summer Internship II	4
Students exiting the programme after securing 80 credits will be awarded UG Diploma in Basic Economics provided they secure additional 4 credit in skill based vocational courses offered during first year or second year summer term. The courses may be in the form of internship/from other departments/from SWAYAM/NPTEL/MOOCS as per the modalities decided by the Departmental Council.					**84**

	Sl. No.	Course Code	Course Type	Course Title	Credit
Semester V	1	ECO71MJ02704	Major	Economics of Growth and Development	4
	2	ECO71MJ02804	Major	Introduction to Public Finance	4
	3	ECO71MJ02904	Major	Development of Economic Philosophy	4
	4	ECO71MJ03002	Major	Indian Thought in Economics	2
	5		Minor	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	6	ECO71MJ03102	Internship	Internship	2
	Total Credits for SemesterV				**20**
		ECO71MJ02704	Minor (for students of other departments)	Economics of Growth and Development	4
Semester VI	1	ECO72MJ03204	Major	Inferential Statistics and Basic Econometrics	4
	2	ECO72MJ03304	Major	Optimisation Techniques for Economists	4
	3	ECO72MJ03404	Major	Introduction to Indian Economy	4
	4	ECO72MJ03504	Major	Economics of Money, Banking and Financial Markets	4
	5		Minor	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	Total Credits for Semester VI				**20**
		ECO72MJ03404	Minor (for students of other departments)	Introduction to Indian Economy	4

Students who want to undertake 3-year UG programme will be awarded B.A. in Economics upon securing 120 credits.	**120**

	Sl. No.	Course Code	Course Type	Course Title	Credit
Semester VII	1	ECO81MJ03604	Major	Advanced Microeonomics	4
	2	ECO81MJ03704	Major	Advanced Macroeconomics	4
	3	ECO81MJ03804	Major	Econometric Methods	4
	4	ECO81MJ03904	Major	Research Methodology for Economics	4
	5		Minor	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	Total Credits for Semester VII				**20**
		ECO81MJ03904	Minor (for students of other departments)	Research Methodology for Economics	4
Semester VIII	1	ECO82MJ04004	Major	Software Applications of Econometrics	4
	2		Minor/OEIC	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	3	ECO82MJ04104	Major	International Trade and Finance*	4
	4	ECO82MJ04204	Major	Public Finance and Policy*	4
	5	ECO82MJ04304	Major	Issues on Indian Economy*	4
	6	ECO82MJ04412	Research Project	*Students can choose 3 courses of Level300&abovefor12credits(3x4 credit = 12 credits) for B.A. (Hons.) in Economics OR **undertake a research project / dissertation for 12 credits for B.A.(Hons. with research) in Economics. Only those students having CGPA more than 7.5 throughout the previous semesters may undertake Research Project of 12 credits.**	12
	Total Credits for Semester VIII				**20**
		ECO82MJ04304	Minor/OEIC (for students of other departments)	Issues on Indian Economy	4

Notes
1) Those students coming directly for Master's degree (Diploma/1 year/2 years) may study with the student of 7th semester and for them Minor will be called OEIC (open elective interdisciplinary courses) and these courses will be chosen from other department (declared by the BoS of each department) open elective courses. In first year they will choose 32 credit course from the discipline and 8 credit from OEIC (level ≥400).
2) For **2 year PG Degree** Student has tohave10 courses (including 2 OEIC)) (preferably earn 16 credits from courses of level 500.
3) For **1 year PG Diploma** Student has tohave 10 courses (including 2 OEIC)) (preferably earn 16 credits from courses of level 500.

Semester	Sl. No.	Course Type	Course Code	Name of the Course	Credit
SEMESTER IX	1	**Major** (Any FIVE from here)	ECO91MJ04504	Development Economics I	04
	2		ECO91MJ04604	Agricultural Economics	04
	3		ECO91MJ04704	Financial Economics I	04
	4		ECO91MJ04804	Economics of Health	04
	5		ECO91MJ04904	Economics of Education	04
	6		ECO91MJ05004	Law and Economics	04
	7		ECO91MJ05104	Economics of Migration	04
	8		ECO91MJ05204	Labour Economics	04
	9		ECO91MJ05304	Time Series Analysis	04
	10		ECO91MJ05404	Behavioural Economics	04
	11		ECO91MJ05504	Urban Economics I	04
	12		ECO91MJ05604	Environmental Economics I	04
	13		ECO91MJ05704	Industrial Economics	04
	14		ECO91MJ05804	Energy Economics I	04
	15		ECO91MJ05904	Public Policy and Planning	04
	16		ECO91MJ06004	Demography and Population Studies	04
			Research		
			ECO91MJ06120	Master's Thesis I	20
			Total Credits for Semester IX		**20**

SEMESTER X	1	**Major (Any FIVE from here)**	ECO92MJ06204	Development Economics II	04
	2		ECO92MJ06304	Financial Economics II	04
	3		ECO92MJ06404	Financial Econometrics	04
	4		ECO92MJ06504	International Finance	04
	5		ECO92MJ06604	Advanced Topics in Applied Econometrics	04
	6		ECO92MJ06704	Game Theory with Application to Economics	04
	7		ECO92MJ06804	Environmental Economics II	04
	8		ECO92MJ06904	Urban Economics II	04
	9		ECO92MJ07004	Indian Public Finance	04
	10		ECO92MJ07104	Behavioural Finance	04
	11		ECO92MJ07204	Energy Economics II	04
	12		ECO92MJ07304	Bihar Economy	04
	13		ECO92MJ07404	Technology, Innovation and Development	04
			Research		
	14		ECO92MJ07520	Dissertation	20
	15		ECO92MJ07620	Master's Thesis II	20
		Total Credits for Semester X			**20**
		Total Credits for Semester IX and X			**40**

Notes:
1) In the 5th Year Students pursuing **2 year PG/1 year PG programme** will have the following choices:
   (i)   20 Credit Project+20 Credit Course (For students having CGPA of more than 7.5 throughout the previous semesters) or
   (ii)   40 Credit Courses or
   (iii)   40 Credit of Research (For students having CGPA of more than 7.5 throughout the previous semesters)

2) The Departmental Committee may allow the students of the 9th and 10th semesters to opt for some courses offered by other departments, SWAYAM, NPTEL, and MOOCs, subject to compliance with the existing ordinances and regulations of the University. The department may also open some of the courses offered to other departments, which will be announced at the beginning of the semester.

3) Dissertation (ECO92MJ07520) is for One Semester (10th). Master's Thesis in the 5th year is to be carried out in two parts, namely, Master's Thesis I (ECO91MJ06120) and Master's Thesis II (ECO92MJ07620) in the 9th and 10th Semesters respectively.

45

M.A. in Economics

The two-year (four-semester) postgraduate programme is meticulously designed to equip students with an extensive knowledge base in economics, encompassing both theoretical and applied aspects. Students gain exposure to diverse theoretical paradigms in economics and are rigorously trained to enhance their analytical and quantitative skills, enabling them to critically evaluate policies derived from these theories.

This comprehensive training prepares students to pursue advanced studies at the doctoral level, embark on academic careers, or excel in professional roles across the corporate and government sectors.

Course Code	Nme of the Course	Credit
Semester - I		
ECO81DC00104	Microeconomics I	4
ECO81DC00204	Macroeconomics I	4
ECO81DC00304	Mathematical Methods in Economics	4
ECO81DC00404	Introductory Statistics and Econometrics	4
ECO81DC00504	Development Economics	4
Semester - II		
ECO82DC00604	Microeconomics II	4
ECO82DC00704	Macroeconomics II	4
ECO82DC00804	Econometric Methods	4
ECO82DC00902	Software Applications of Econometrics	4
ECO82DC01004	Introduction to Research Methodology	4
ECO82DC01102	Indian Thought in Economics	2

Semester - III		
ECO91DC01204	International Economics	4
ECO91DC01304	Public Finane	
ECO91DE01604	Financial Economics I	
ECO91DE01704	Economics of Health	
ECO91DE01804	Economics of Education	
ECO91DE01904	Law and Economics	
ECO91DE02004	Agricultural Economics	
ECO91DE02104	Optimisation in Economic Theory	
ECO91DE02204	Time Series of Migration	
ECO91DE02304	Introduction to Behavioural Economics	
ECO91DE02404	Economics of Migration	
ECO91DE02504	Labour Economics	
ECO91DE02604	History of Economic Ideas	
Semester - IV		
ECO92DC01404	Indian Economic Development	
ECO92DC01504	Dissertation	
ECO92DE02704	Financial Economics II	
ECO92DE02804	Financial Econometrics	
ECO92DE02904	International Finance	
ECO92DE03004	Advanced Topics in Applied Economtrics	

45

ECO92DE03104	Game Theory with Application to Economics	
ECO92DE03204	Environmental Economics	
ECO92DE03304	Industrial Economics	
ECO92DE03404	Urban Economics	
ECO92DE03504	Indian Public Finance	
ECO92DE03604	Demography and Population Studies	
Elective Courses (any one from here of from courses of other Departments)		
MAECO4001E04	Financial Economics III	
MAECO4002E04	Financial Econometrics	
MAECO4003E04	Advanced Topics in Applied Econometrics	
MAECO4004E04	Game Theory with Application to Economics	
MAECO4005E04	Agricultural Economics II	
MAECO4006E04	Environmental Economics	
MAECO4007E04	Industrial Economics II	

1.   Elective courses would be offered depending upon the availability of specialised faculty. Courses to be offered as elective papers in a particular semester would be announced before its commencement.
2.   Each student would obtain at least 08 credits and a maximum of 16 credits from courses offered by other departments / UGC-MOOCS courses in lieu of the elective courses of the parent department.

Ph.D. in Economics

The students of this programme are encouraged to develop analytical perspectives required to explore new horizons of knowledge in the field of economics. The compulsory courses of this programme help to stimulate creative impulses of the students besides exposing them to various methodological aspects of research. Eventually, the students are able to produce a good research output examining the validity or otherwise of the existing theoretical paradigm(s) at the backdrop of the empirical research that has sound implications for policy.

List of Courses in Ph.D. in Economics

Course Code	Course Title	Credit
ECO101DC00102	Research Methodology	2
ECO101DC00204	Tools & Techniques of Research	4
ECO102DC00302	Research and Publicaion Ethics	2
ECO102DC00404	Preparation and presentation of Research Proposal	4
	Total Credit	**12**

45

Brief Profile of Faculty Members

	Prof. Krishnan Chalil Professor, Head **Specialization:** Banking, Development Studies, e-Governance, Higher Education, Gender &Tribal Studies.		**Prof. Rathi Kanta Kumbhar** Professor MA (Sambalpur University), M.Phil and PhD (CDS-JNU). **Specialization:** Development Economics, International Economics and Agricultural Economics
	Dr.Abodh Kumar Associate Professor M.A (GIPE, Pune) Ph.D. (University of Mumbai) **Specialization**: Microeconomics and Development Economics		**Atish Kumar Dash** Assistant Professor M.A. (University of Hyderabad), M.Phil. (CDS-JNU), PhD (*under evaluation,* CDS- JNU) **Specialization**: Applied Econometrics, Macroeconomics, Financial Economics and Mathematical Economics
	Dr. Firdaus Fatima Rizvi Assistant Professor *Specialization: Environmental Economics, Agriculture Economic, Housing Market and Labour Studies*		**Dr. Rikil Chyrmang** Assistant Professor MA (Goa University), M.Phil. and PhD (CDS-JNU). **Specialization**: Development Economics, Economics of Migration and Microeconomics
	Dr. Rajni Kant Ojha Assistant Professor M.A. and Ph.D. (Banaras Hindu University, Varanasi) **Specialization**: Mathematical Economics, International Economics, and Microeconomics		

45

The Department of Political Studies (DPS), part of the School of Social Sciences and Policy, embodies the integration of multiple disciplines to understand and analyze human behavior within a cohesive framework. The department is dedicated to blending its teaching engagements with empirical research, striving to address all facets of the discipline through Traditional, Modern, and Post-Modern approaches.

DPS places a strong emphasis on identifying emerging challenges in polity and politics, offering solutions through innovative teaching, research, and the creation of new knowledge. It actively bridges theory and practice by deconstructing pressing social, political, and economic issues as part of its Post-Graduate programme. Through its interdisciplinary approach, the department provides students with opportunities to combine theoretical insights with practical applications.

The department ensures that students are equipped with philosophical and theoretical perspectives rooted in both Indian and Western traditions, fostering their ability to apply these perspectives in real-world contexts. It continues to inspire students to advance political analysis across regional, national, and international levels.

In addition to its Post-Graduate programme, DPS supports the University's Undergraduate integrated programmes, such as the Five-year Integrated BA.LLB. and the Four-year Integrated BA.B.Ed. programmes. Through these initiatives, the department is committed to nurturing ethical, knowledgeable, and employable citizens who can contribute meaningfully to society.

5 Year Integrated UG-PG in Political Science and International Relations

About the Programme:

The Integrated B.A.-M.A. Programme in Political Science and International Relations is designed to provide higher education in the fields of Political Science and International Relations, aligning with the objectives set forth by the National Education Policy, 2020.

Programme Objectives:

The Integrated UG-PG programme in Political Science and International Relations is designed to provide students with a holistic understanding of the discipline, complemented by practical skills to effectively tackle real-world challenges. Through this programme, students will develop the ability to read and interpret texts, engage in independent and critical thinking, and enhance their analytical skills.

The course also aims to strengthen students' academic writing and communication abilities. It covers a broad spectrum of areas, including political theory, political thought, international relations, public administration, public policy, and other key topics essential for both theoretical and practical proficiency in the field.

Additionally, the programme nurtures students' understanding of moral, ethical, and cultural values, fostering an ability to compare and reflect on concepts of right and good, alongside their academic and practical development.

Course Structure

45

			Year 1	
			Semester I	
	SI.NO.	**Course Type**	**Course Code**	**Course Title**	**Credit**

	SI.NO.	Course Type	Course Code	Course Title	Credit
Semester I	1	Major (DBCC)	PSC51MJ00104	Introduction to Political Science	4
	2	Minor	--	From other Disciplines/Department	4
	3	Multidisciplinary (OIEC)	PSC51MD00203	Environment and Politics	3
			--	*OR* *Offered by other Departments / SWAYAM / NPTEL/MOOCs*	
	4	Ability Enhancement Course (AEC)	--	*From the Department of English and Foreign Languages / SWAYAM / NPTEL / MOOCs*	2
	5	Skill Enhancement Course (SEC)	PSC51SE00303	Descriptive Data Analysis	3
	6	Value Added Course (VAC)	PSC51VA00402	(i) Gandhian Philosophy and Contemporary Politics* *To be offered only if such course is not available at the other department designated to run such course	2
			--	(ii) *Offered by other Departments /Discipline/ SWAYAM / NPTEL/MOOCs*	2
Total Credits for Semester I				**20**	
	7	Minor (for students of other department)	PSC51MJ00104	Introduction to Political Science	4
	8	Multidisciplinary (for students of other departments)	PSC51MD00203	Environment and Politics	3
SEMESTER-II					
Semester II	1	Major (DBCC)	PSC52MJ00504	International Relations and World History	4
	2	Minor	--	From other Department	4
	3	Multidisciplinary (OIEC)	PSC52MD00603	Gender and Politics in India	3
			--	OR *Offered by other departments/ SWAYAM / NPTEL/MOOCs*	
	4	Ability Enhancement Course (AEC)	--	*From the Department of English and Foreign Languages / SWAYAM / NPTEL / MOOCs*	2
	5	Skill Enhancement	PSC52SE00703	Political Communication Skills	3

45

		Course (SEC)			
6	Value Added Course (VAC)	PSC52VA00802	(i) Civic and Constitutional Values* *To be offered only if such course is not available at the other department designated to run such course		2
7		--	(ii) *Offered by other Department /Discipline/ SWAYAM / NPTEL /MOOCs*		2
Total Credits for Semester II				**20**	
8	Minor (for students of other departments)	PSC52MJ00504	International Relations and World History		4
9	Multidisciplinary (for students of other departments)	PSC52MD00603	Gender and Politics		3
Students exiting the programme after securing 40 credits plus summer internship as per the modalities decided by the Department Committee will be awarded *UG Certificate in Political Science and IR with Specialisation in Descriptive Data Analysis and Political Communication*, provided they secure 4 credits in work based vocational courses offered during summer term or internship/ Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.					**44**

Year 2					
Semester III					
	Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credit**
Semester III	1	Major (DBCC)	PSC61MJ00904	Understanding Political Theory	4
	2	Major (DBCC)	PSC61MJ01004	Comparative Government and Politics: An Introduction	4
	3	Minor	--	From other Department/Discipline	4
	4	Multidisciplinary(OIEC)	PSC61MD01103	India's Political Economy: Contemporary Debates	3
			PSC61MD01203	OR Nationalism and Nation-Building: The Indian Experiences	
			--	OR *Offered by other Departments /Discipline/ SWAYAM / NPTEL /MOOCs*	

	5	Ability	--	*From the Department of English and Foreign Languages /SWAYAM / NPTEL /*	2

			Enhancement Course (AEC)	*MOOCs*	
6	Skill Enhancement Course (SEC)	PSC61SE01303	Electoral Process and Governance	3
		--	*OR* *SWAYAM / NPTEL / MOOCs*	
Total Credits for Semester III				**20**
7	Minor (for students of other departments)	PSC61MJ00904	Understanding Political Theory	4
8	Multidisciplinary (for students of other departments)	PSC61MD01103	India's Political Economy: Contemporary Debates	3

		SEMESTER IV		
1	Major (DBCC)	PSC62MJ01404	Understanding India's Constitutional Development	4
2	Major (DBCC)	PSC62MJ01504	Themes in Comparative Political Philosophy-I	4
3	Major (DBCC)	PSC62MJ01604	Fundamentals of Public Administration and Public Policy	4
4	Major (DBCC)	PSC62MJ01702	India's Foreign Policy: Roots & Actors	2
		--	OR / *SWAYAM / NPTEL / MOOCs*	
5	Minor	--	From other Department/Discipline/*SWAYAM / NPTEL / MOOCs*	4
6	Ability Enhancement Course (AEC)	--	*From the Department of English and Foreign Languages /SWAYAM / NPTEL / MOOCs*	2
Total Credits for Semester IV				**20**
7	Minor (for students of other departments)	PSC62MJ01504	Themes in Comparative Political Philosophy-I	4

Students exiting the programme after securing 80 credits will be awarded *UG Diploma in Political Science and IR with Specialisation in Electoral Process and Governance*, provided they secure additional 4 credits in skill based vocational courses (From other Department/ SWAYAM / NPTEL / MOOCs)/Internship as per the modalities decided by the Department Committee.			**84**

	Year 3 **Semester V**			
	Sl.	**Course**	**Course Code**	**Course Title**	**Credit**

	No.	Type			
Semester V	1	Major (DBCC)	PSC71MJ01804	Global Politics & International Organisations	4
	2	Major (DBCC)	PSC71MJ01904	Themes in Comparative Political Philosophy-II	4
	3	Major (DBCC)	PSC71MJ02004	Political Processes in India	4
	4	Major (DBCC)	PSC71MJ02102	Public Policy in India: Processes and Institutions	2
			--	*OR* *SWAYAM / NPTEL / MOOCs*	
	5	Minor	--	From other Departments/ *Discipline/SWAYAM / NPTEL / MOOCs*	4
	6	Internship	PSC71MJ02202	Internship	2
	Total Credits for Semester V				**20**
	7	Minor (for students of other departments)	PSC71MJ01804	Global Politics & International Organisations	4
Semester VI					
Semester VI	1	Major (DBCC)	PSC72MJ02304	International Conflicts and Conflict Resolution: Case Studies	4
	2	Major (DBCC)	PSC72MJ02404	Themes in Comparative Political Philosophy-III	4
	3	Major (DBCC)	PSC72MJ02504	Understanding Post-Colonial Political Developments in South Asia	4
	4	Major (DBCC)	PSC72MJ02604 PSC72MJ02704	Human Rights: Issues and Challenges *OR* International Security: Issues and Challenges	4
			--	*OR* *SWAYAM / NPTEL / MOOCs*	
	5	Minor	--	From other Department*/Discipline /SWAYAM / NPTEL / MOOCs*	4
	Total Credits for Semester VI				**20**
		Minor (for students of other departments)	PSC82MJ02304	International Conflicts and Conflict Resolution: Case Studies	4
	Students who want to undertake 3-year UG programme will be awarded B.A. in Political Science and IR upon securing 120 credits.				**120**

			Year 4	
			Semester VII	
	Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credit**

	Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credit**
Semester VII	1	Major (DBCC)	PSC81MJ02804	Comparative Politics: Theories, Issues and Trends	4
	2	Major (DBCC)	PSC81MJ02904	Themes in Indian Political Thought	4
	3	Major (DBCC)	PSC81MJ03004	Contemporary Political Theory	4
	4	Major (DBCE)	PSC81MJ03104	Theories of International Relations	4
			PSC81MJ03204	*OR* Politics in India	
			--	*OR* SWAYAM / NPTEL / MOOCs	
	5	Minor/ OEIC	--	From other Departments/ *Discipline/SWAYAM / NPTEL / MOOCs*	4
		Total Credits for Semester VII			**20**
	6	Minor (for students of other departments)	PSC81MJ02804	Comparative Politics: Theories, Issues and Trends	4
Semester VIII					
	1	Major (DBCC)	PSC82MJ03304	Research Methodology	4
	2	Major (DBCC)	PSC82MJ03404	Administrative Theories	4
	3	Major (DBCC)	PSC82MJ03504	Leadership, Election Management and Strategies	4
	4	Major (DBCE)	PSC82MJ03604	Issues and Emerging Trends in IR	4
			PSC82MJ03704	Global Political Thought	
	5	Minor/ OEIC	--	From other Department/Discipline *SWAYAM / NPTEL / MOOCs*	4
Semester VIII	6	Major/ Research	PSC82MJ03812	Dissertation-I * One needs to undertake a research project / dissertation for 12 credits for B.A. (Hons with Research) in Political Science and IR. However, only those students having CGPA of 7.5 and above in the previous semesters may undertake Dissertation of 12 credits. Students who are unable to opt for Dissertation, have to choose the 3 courses listed above under points 2, 3 & 4 for 12 credits (3 x 4 credits = 12 credits) for B.A. (Hons.) in Political Science and IR. The courses listed above under points 1 and 5 (2 x 4 credits=8 credits) are mandatory for every student,	12

			whether she/he undertakes research project or not.	
		Total Credits for Semester VIII	**20**
	Minor (for students of other departments)	PSC82MJ03404	Administrative Theories	4
	OEIC (for students of other departments)	PSC82MJ03404	Administrative Theories	4

				Year 5 **Semester IX**	
Semester	**Sl. No.**	**Course Type**	**Course Code**	**Name of the Course**	**Credit**
SEMESTER IX	1	Major (DBCC)	PSC91MJ03904	International Organisations@@	04
	2	Major (DBCC)	PSC91MJ04004	Public Policy: Process, Monitoring and Evaluation	04
	3	Major (DBCE)	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester	04
	4	Major (DBCE)	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester/*SWAYAM / NPTEL / MOOCs*	04
	5	Major (DBCE) /OEIC	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester/ From other Departments/Disciplines /*SWAYAM / NPTEL / MOOCs*	04
		OEIC (for students of other departments)	--	The courses that have been marked by (@@) among the courses to be offered for the semester	04
	Total Credits for Semester IX				**20**
	Elective Basket for the Semester IX				
	6	Major (DBCE)	PSC91MJ04104	International Law	04
	7	Major (DBCE/OEIC)	PSC91MJ04204	India's Political Economy: Theories and Issues @@	04
	8	Major (DBCE)	PSC91MJ04304	Theory and Practice of Democracy	04
	9	Major (DBCE)	PSC91MJ04404	State Politics in India	04
	10	Major (DBCE)	PSC91MJ04504	Geopolitics and Geoeconomics in IR	04
	11	Major (DBCE/OEIC)	PSC91MJ04604	Human Rights: Debates, Trends and Practices@@	04
	12	Major (DBCE)	PSC91MJ04704	Teaching, Public Speaking and Writing Skills in Political Science and IR	04
	13	Major (DBCE)	PSC91MJ04804	Indian Administration: Ideas, Institutions and Practice@@	04

45

				Semester X	
SEMESTER X	1	Major (DBCC)/OEIC	PSC91MJ04904	India's Foreign Policy: Theories and Practices @@	04
	2	Major (DBCC)	PSC91MJ05004	Field Work: Data Collection, Analysis and Presentation	04
	3	Major (DBCE)	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester	04
	4	Major (DBCE)	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester	04
	5	Major (DBCE/OEIC)	--	To be chosen from the courses opened by the department from the elective basket mentioned below for semester/ From other Departments/Disciplines	04
		OEIC (For the students of other departments, if required so)	--	The courses that have been marked by (@@) among the courses to be offered for the semester	04
		Total Credits for Semester X			**20**
	6.	Major (DBCE/ OEIC)	PSC91MJ05104	International Political Economy@@	04
	7.	Major (DBCE)	PSC91MJ05204	Government and Politics in Africa	04
	8.	Major (DBCE)	PSC91MJ05304	Local-Self Government in India @@	04
	9.	Major (DBCE)	PSC92MJ05404	Peace, Security and Conflict Management	04
	10.	Major (DBCE)	PSC92MJ05504	State and Politics in Japan	04
	11.	Major (DBCE)	PSC92MJ05604	Environmental Security: Issues and Debate	04
	12.	Major(DBCE)	PSC92MJ05704	Politics of Multiculturalism and Pluralism	04
	13.	Major (DBCE)	PSC92MJ05804	Globalisation and Global Governance	04
	14.	Major (DBCE)	PSC92MJ05904	Ideas and Institutions in Ancient Indian Political Thinking	04
	15.	Major/ Research	PSC92MJ06020	Dissertation-II #A student who opts for Dissertation (20 credits) may not require to choose any additional course, unless he she/he wish to so for any other purpose. **However, only those students having a CGPA of at least 7.5 in the previous semesters may undertake Dissertation of 20 credits**. Those who are ineligible to opt for Dissertation or have not opted for dissertation have to, in addition to the two DBCC mentioned at serial nos. 1 & 2, opt 3 DBCE courses offered in this semester listed above .	20

45

Notes:

1. Those students coming directly for Masters' degree (Diploma/1 year/2 years) may study with the students of 7th semester and they may either opt for the Minor or OEIC (open elective interdisciplinary courses) courses offered by other department (declared by the Board of Studies of each department) open elective courses.
2. The **2-year PG Degree (Covering semesters 7,8, 9 & 10), 1-Year PG Diploma (Covering semesters 7 & 8), and 1-Year P. G. Degree (Covering semesters 9 & 10)** shall be governed by the University's Ordinance Governing Five-Year UG-PG Programme and subsequent amendments.
3. For administering internship/dissertation/research endeavours relating to the Programme, the Department's Research-cum-Internship Manual for the purpose be the reference point. However, in case any clarity/deviation/interpretation w.r.t. either manual or implementation/evaluation of such research activities is required, the DC will be empowered to do so.

M.A. in Political Science and International Relations

The two-year (four-semester) Postgraduate Programme is designed to provide students with a robust understanding of philosophical and theoretical perspectives from both Indian and Western traditions, along with their practical applications. The programme aims to nurture critical thinking and methodological skills essential for academic research and action-oriented studies.

Through its curriculum, the programme addresses key issues and challenges that polity and politics encounter in diverse contexts—spanning Indian, comparative, international, regional, and local milieus. It also fosters among students an appreciation for contextually relevant sensibilities, encompassing traditional, modern, and postmodern approaches to the discipline of Political Science.

List of Courses in M.A. Political Science and International Relations (80 Credits)

Semester I

Course Code	Name of the Course	Credit
PSC81DC00104	Comparative Politics: Theories, Issues and Trends	4
PSC81DC00204	Politics in India	4
PSC81DC00304	Themes in Indian Political Thought	4
PSC81DC00404	Contemporary Political Theory	4
PSC81DC00504	Theories of International Relations	4
PSC81ME00600	Constitutional Values & Civic Culture	0

Semester II

Course Code	Name of the Course	Credit
PSC82DC00704	Research Methodology	4
PSC82DC00804	Administrative Theories	4
PSC82DC00904	Leadership, Election Management and Strategies	4
PSC82DC01004	Issues and Emerging Trends in IR	4
PSC82DC01104	Global Political Thought	4
PSC82ME01200	Ethics and Governance	0

Semester III

Course Code	Name of the Course	Credit
PSC91DC01304	International Organisations	4
PSC91DC01404	Public Policy: Process, Monitoring and Evaluation	4

45

Semester IV

Course Code	Name of the Course	Credit
PSC92DC02304	India's Foreign Policy	4
PSC92DC02404	Field Work: Data Collection, Analysis and Presentation	4

List of Elective Courses

Course Code	Name of the Course	Credit
PSC91DE01504	International Law	4
PSC91DE01604	India's Political Economy	4
PSC91DE01704	Theory and Practice of Democracy	4
PSC91DE01804	State Politics in India	4
PSC91DE01904	Geopolitics and Geoeconomics in IR	4
PSC91DE02004	Human Rights: Debates, Trends and Practices	4
PSC91DE02104	Teaching, Public Speaking and Writing Skills in Political Science and IR	4
PSC91DE02204	Indian Administration: Ideas, Institutions and Practice	4

List of Elective Courses

Course Code	Name of the Course	Credit
PSC92DE02504	International Political Economy	4
PSC92DE02604	Government and Politics in Africa	4
PSC92DE02704	Local-Self Government in India	4
PSC92DE02804	Peace, Security and Conflict Management	4
PSC92DE02904	State and Politics in Japan	4
PSC92DE03004	Environmental Security: Issues and Debate	4
PSC92DE03104	Politics of Multiculturalism and Pluralism	4
PSC92DE03204	Globalisation and Global Governance	4
PSC92DE03304	Ideas and Institutions in Ancient Indian Political Thinking	4

Ph.D. in Political Science & International Relations

Department of Political Studies is currently offering Ph.D. in Political Science & International Relations.

List of Courses in PhD. Political Science & International Relations

Course Code	Course Title	Credit
PSC 901	Research Methodology	4
PSC 902	Tools & Techniques of Research in Political Science and International Relations	4
PSC 903	Preparation and presentation of Research Proposal	4
CPE-RPE	Research and Publication Ethics	2
	Total Credits	**14**

45

Brief Profile of Faculty Members:

	Prof. Pranav Kumar **Professor & Head** M.Phil., Ph.D. (School of International Studies, JNU, New Delhi) (**Specialization**: African Studies, Geopolitics, International Politics, Non-traditional Security, India's Foreign Policy, Comparative Politics and Governance, International Political Economy, International Organisations)		**Dr. Praveen Kumar** **Professor** Ph.D. (Political Science, JNU, New Delhi) (**Specialization**: Political Theory, Indian and Western Political Thought, Geopolitics, Public Policy)
	Dr. Sumit Kumar Pathak **Assistant Professor** Ph.D. (**Specialization**: Political Philosophy, Political Theory, Indian Government and Politics and Public administration)		**Dr. Abhay Kumar** **Associate Professor** M.Phil., Ph.D. (**Specialization**: International Politics, Foreign Policy, Nuclear Policy, Japanese Studies, Human Security, Geopolitics, International Peace and Security)
	Dr. Pawan Kumar Singh **Assistant Professor** M.Phil., Ph.D. (**Specialization:** Multiculturalism and pluralism, Democracy, Politics in India)		

***

Department of Sociological Studies

Sociology emerged as an intellectual response to the crises faced by mid-nineteenth-century European society. Over the past century and a half, its development has been shaped by diverse socio-economic and political conditions in the contexts where it has been taught and practiced. Today, Sociology stands as a well-established, multi-paradigmatic academic discipline, enriched with a robust body of theoretical knowledge and systematized methodological techniques.

By helping us view the world from multiple vantage points while fostering self-reflexivity and critical reflexivity, the Department emphasizes both teaching and research in theoretical, methodological, and applied aspects of Sociology, with a strong focus on an interdisciplinary approach. In alignment with the mandate of the Central University of South Bihar (CUSB), the Department explores socio-cultural issues and challenges within the framework of national development, contributing to knowledge generation. Alongside teaching Sociology courses, the Department places a strong emphasis on training students in social sciences methodology and social research techniques, spanning both qualitative and quantitative approaches.

Human development lies at the heart of all developmental discourse. Recognizing the importance of human resource development through higher education, the Department is committed to training skilled Sociologists who can advance socio-economic development and welfare across India's diverse cultures and communities. Its academic programmes are tailored to produce competent and skilled citizens who can meaningfully transform their own lives and the lives of others.

45

The Department fosters active student engagement in learning both within and beyond the classroom. Students are continuously evaluated based on their participation in tutorials, book reviews, term papers/assignments, presentations, seminars, workshops, and more. This approach ensures a holistic and immersive learning experience.

Vision:

To achieve global recognition by addressing local needs, the Department strives to generate applicable knowledge that enhances understanding of society, its challenges, and its requirements. Through its visionary approach, the Department aims to produce professionals equipped to serve as impactful leaders and contributors in development initiatives worldwide.

Mission:

The Department aspires to attain academic excellence on a global scale, with a particular focus on India, by fostering an environment where learners can realize their dreams and achieve their fullest potential. It is dedicated to nurturing local talent and disseminating knowledge, empowering students to transform their aspirations into meaningful contributions to society.

Objectives of the Centre:

1) To equip the students with latest sociological knowledge pertaining to various sub-fields within the discipline of sociology.
2) To orient the students for comprehending, analyzing and critically assessing the social reality from sociological perspective.
3) To inculcate the analytical ability, research aptitude and relevant skills in the students useful for their social and professional life
4) To prepare the students for undertaking research, jobs in Colleges/Universities/Research Institutions, various Government Departments and Non-governmental organizations as well as for various competitive examinations.

5 Year Integrated UG-PG in Sociology

About the Programme

The vision of the Integrated Master's (UG-PG) programme in Sociology is to offer a comprehensive and interdisciplinary education that fosters a deep understanding of the field. This programme adopts a cohesive approach, enabling students to explore Sociology within a multidisciplinary framework and strive for academic excellence. It is designed with flexibility in mind, offering diverse options and multi-level entry and exit points to cater to varied learning needs.

Programme Objectives

The Objectives of the five-year (ten-semester) undergraduate –postgraduate (UG-PG) programme is to:

1. Provide an opportunity to student for multiple exit and entry.
2. Train the students on the ever-expanding knowledge base in Sociology– both theoretical and applied.
3. Impart multidisciplinary and interdisciplinary education through various courses, including the Indian Knowledge System.
4. Improve the students' analytical skills.
5. Provide hands-on training on the analysis of data using innovative sociological methodologies.
6. Expose the students to the sociological issues in a globalized era.
7. Introduce the basics of research methodology to the students and train them to apply this in their dissertations.

Program Learning Outcomes

After successful completion of the program, the students will be able to:

1. Demonstrate comprehensive knowledge of Sociological theories and their applications.
2. Demonstrate understanding of interdisciplinary areas of Sociology.
3. Broaden the intellectual experience through multidisciplinary courses.
4. Express ideas on Sociological issues effectively in written and verbal communication.
5. Demonstrate the ability to analyze data using innovative qualitative and quantitative methods.
6. Critically evaluate public policies with sociological reasoning.
7. Demonstrate capacity to carry out research in Sociology and allied disciplines at a higher (doctoral) level.
8. Adopt a professional career in the corporate/ government/ development sectors.

Minimum Eligibility for admission

- The candidate must have passed Class XII or its equivalent examination (in Arts, Commerce or Science stream) corresponding to Level-4 from a recognized board.
- The candidate should clear Common University Entrance Test (CUET) with appropriate score as decided from time to time.

Different levels of Multiple Entry and Exit System and its credit requirements

Sl. No.	Entry Points	Basic Eligibility	Mode of Entrance
1	Semester 1	Class XII or its equivalent examination (in Arts, Commerce or Science stream).	Common University Entrance Test
2	Semester 3	40 Credits with a UG Certificate and 4 credits of skill enhancement Course	Counselling-cum-interaction comprising 100 marks
3	Semester 5	80 Credits with a UG Diploma and 4 credits of skill enhancement Course	Counselling-cum-interaction comprising 100 marks
4	Semester 7	120 Credits with a Degree of Bachelor in Science	Counselling-cum-interaction comprising 100 marks
5	Semester 9	160 Credits with a Degree of Bachelor (Honours/ Research)	Counselling-cum-interaction comprising 100 marks

Award of Certificate/ Diploma/ Degree along with multiple Exit Options

Sl. No.	Exit Points	Qualification Title	NHEQF Level
1	after completion of Semesters 1 & 2	UG Certificate in (Basic Sociology)	Level 4.5

45

2	after completion of Semesters 1,2,3 & 4	UG Diploma in (Basic Sociology)	Level 5
3	After completion of Semesters 1,2,3,4,5 & 6	Bachelor of Arts in Sociology	Level 5.5
4	After completion of Semesters 1,2,3,4,5, 6, 7 & 8	Bachelor of Arts in Sociology. (Honours/Research)	Level 6
5	After completion of Semesters 1,2,3,4,5, 6, 7, 8, 9 & 10	Master of Arts (Integrated) in Sociology	Level 6.5

Types of courses

Sl. No	Type	Definition
1.	Major Course (Core/Elective)	The Core Major Courses are those courses whose knowledge is deemed essential for the students registered for Integrated M.A. in Sociology and the students admitted shall be required to study. These courses are compulsory as a core requirement.
2.	Minor Course	These courses help a student to gain a broader understanding beyond the major discipline.
3.	Multidisciplinary Course	All UG students are required to undergo 3 introductory-level courses relating to any of the broad disciplines relating to Natural and Physical Sciences / Mathematics, Statistics, and Computer Applications / Library, Information, and Media Sciences / Commerce and Management / Humanities and Social Sciences. These courses are intended to broaden the intellectual experience and form part of liberal arts and science education. Students are not allowed to choose or repeat courses already undergone at the higher secondary level (12th class) in the proposed major and minor stream under this category.
4.	Value Added Course (VAC)	These courses will be offered at the university level commonly for all students registered for various undergraduate programmes. These courses include Understanding India, Environmental Science, Health & Well-being / Yoga, Digital & Technological Solutions or any other course offered by the university from time to time. The credit for each of these courses will be in accordance with the university guidelines. One or two courses of these will be offered in each semester upto 2nd semester.

45

	5.	Ability Enhancement Course (AEC)	Students are required to achieve competency in a Modern Indian Language (MIL) and in the English language with special emphasis on language and communication skills.
	6.	Skill Enhancement Course (SEC)	These courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students.

	Sl. No.	Course Type	Course Code	Course Title	Credits
Semester I				**Course Structure**	
	1	Major	SOC51MJ00104	Introduction to Sociology	4
	2	Minor		From other disciplines	4
	3	Multidisciplinary		*Offered by other departments / SWAYAM / NPTEL / MOOCs*	3
	4	Ability Enhancement Course (AEC)	SOC51AE00202	Writing Skills	2
	5	Skill Enhancement Course (SEC)	SOC51SE00303	Digital Skills	3
	6	Value Added Course (VAC)	SOC51VA00402	Yoga, Health and Well being	2
			SOC51VA00502	Human Values and Ethics	2
Total Credits for Semester I					**20**
		Minor (for students of other departments)	SOC51MJ00104	Introduction to Sociology	4
		Multidisciplinary (for students of other departments)	SOC51MD00603	Society and Environment	3
Semester II					
	1	Major	SOC52MJ00704	Indian Society	4
	2	Minor		From other disciplines	4
	3	Multidisciplinary		*Offered by other departments / SWAYAM / NPTEL / MOOCs*	3
	4	Ability Enhancement Course (AEC)	SOC52AE00802	Presentation Skills	2

45

5	Skill Enhancement Course (SEC)	SOC52SE00903	Communication Skills & Personality Development	3
6	Value Added Course (VAC)	SOC52VA01002	Indian Knowledge System	2
		SOC52VA01102	Constitutional Values	2
Total Credits for Semester II				**20**
	Minor (for students of other departments)	SOC52MJ00704	Indian Society	4
	Multidisciplinary (for students of other departments)	SOC52MD01203	Ethnicity, Pluralism and Nation building	3
Multiple Exit Options: Students exiting the programme after securing 40 credits will be awarded UG Certificate in Basic Sociology provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.				**44**

	Sl. No.	Course Type	Course Code	Course Title	Credit
Semester III	1	Major	SOC61MJ01304	Sociological Thinkers	4
	2	Major	SOC61MJ01404	Social Structure and Change	4
	3	Minor		From other disciplines	4
	4	Multidisciplinary		*Offered by other departments / SWAYAM / NPTEL / MOOCs*	3
	5	Ability Enhancement Course (AEC)	SOC61AE01502	Community Outreach	2
	6	Skill Enhancement Course (SEC)	SOC61SE01603	Innovation and Entrepreneurship	3
	Total Credits for Semester III				**20**
		Minor (for students of other departments)	SOC61MJ01304	Sociological Thinkers	4
		Multidisciplinary (for students of other departments)	SOC61MD01703	Sociology of Religion	3
Semester IV	1	Major	SOC62MJ01804	Kinship, Family and Marriage	4
	2	Major	SOC62MJ01904	Social Anthropology	4
	3	Major	SOC62MJ02004	Political Sociology	4
	4	Major	SOC62MJ02102	Field Work	2
	5	Minor		From other disciplines	4
	6	Ability Enhancement Course (AEC)	SOC62AE02202	Field Intervention and Community Engagement	2

290		**Total Credits for Semester IV**		**20**
	Minor (for students of other departments)	SOC62MJ01804	Kinship, Family and Marriage	4
Students exiting the programme after securing 80 credits will be awarded UG Diploma in Basic Sociology provided they secure additional 4 credit in skill based vocational courses offered during the first year or second year summer term.				**84**

	Sl. No.	Course Type	Course Code	Course Title	Credit
Semester V	1	Major	SOCMJ7102404	Rural Sociology	4
	2	Major	SOCMJ7102504	Women's Studies	4
	3	Major	SOCMJ7102604	Sociology of Education	4
	4	Major	SOCMJ7102702	Seminar	2
	5	Minor		From other disciplines	4
	6	Internship (Major)	SOCMJ7102802	Internship	2
	Total Credits for Semester V				**20**
		Minor (for students of other departments)	SOCMJ7102404	Rural Sociology	4
Semester VI	1	Major	SOCMJ7202904	Contemporary Social Issues	4
	2	Major	SOCMJ7203004	Sociological Theories	4
	3	Major	SOCMJ7203104	Sociology of Social Movements	4
	4	Major	SOCMJ7203204	Indian Social Thought	4
	5	Minor		From other disciplines	4
	Total Credits for Semester VI				**20**
		Minor (for students of other departments)	SOCMJ7202904	Contemporary Social Issues	4
	Students who want to undertake 3-year UG programme will be awarded B.A. in Sociology upon securing 120 credits.				**120**

	Sl. No.	Course Type	Course Code	Course Title	Credit
Semester VII	1	Major	SOCMJ8103304	Indian Sociological Thinkers	4
	2	Major	SOCMJ8103404	Gender and Society	4
	3	Major	SOCMJ8103504	Research Methods	4
	4	Major	SOCMJ8103604	Population and Society	4
	5	Minor		From other disciplines	4
	Total Credits for Semester VII				**20**
		Minor (for students of other departments)	SOCMJ8103304	Indian Sociological Thinkers	4
Semester VIII	1	Major	SOCMJ8203704	Urban Sociology	4
	2	Major	SOCMJ8203804	Modern Indian Social Thought	4
	3	Major/ DBCE	SOCMJ8203904	Globalization and Social Change	4
	4	Major/DBCE	SOCMJ8204004	Social Exclusion and Inclusion	4
	5	OEIC		From other disciplines	4
	6	Major/ Research	SOCMJ8204108	Dissertation * One needs to undertake a research project / dissertation for 8 credits for B.A. (Hons with research) in Sociology. However, only those students having CGPA of 7.5 and above in the previous semesters may undertake Dissertation of 8 credits. Students who are unable to opt for Dissertation, have to choose the 2 DBCE	8

			courses listed above for 8 credits (2 x 4 credit = 8 credits) for B.A. (Hons.) in Sociology.	
	Total Credits for Semester VIII			**20**
	Minor (for students of other departments)	SOCMJ8203704	Urban Sociology	4
	OEIC (for students of other departments)	SOCOE8204204	Social Entrepreneurship	4
		SOCOE8204304	Sociology of Tribes and other Indigenous Peoples	4

Note:

4) Those students coming directly for Masters' degree (Diploma/1 year/2 years) may study with the students of 7th semester and they may either opt for the Minor or OEIC (open elective interdisciplinary courses) courses offered by other department (declared by the Board of Studies of each department) open elective courses.

5) For **2-year PG Degree** Student has to complete 10 courses (including 2 OEIC)) (preferably earn 16 credits from courses of level 500.

6) For **1-year PG Diploma** Student has to complete 10 courses (including 2 OEIC)) (preferably earn 16 credits from courses of level 500.

Semester	Sl. No.	Course Type	Course Code	Name of the Course	Credit
SEMESTER IX	1	Major	SOC91MJ04404	Advanced Sociological Theories	04
	2	Major	SOC91MJ04504	Social Stratification and Mobility	04
	3	Major	SOC91MJ04604	Sociology of Development	04
	4	Major/ DBCE	SOC91MJ04704	Human Resource Management	04
			SOC91MJ04804	Society, Culture and Deviance	04
	5	OEIC		From other disciplines	04
		OEIC (for students of other departments)	SOC91OE04904	Corporate Social Responsibility	04
			SOC91OE05004	Sociology of Health	04
	Total Credits for Semester IX				**20**
SEMESTER X	1	Major	SOC92MJ05104	Methodology of Social Research	04
	2	Major	SOC92MJ05204	Economy and Society	04
	3	Major	SOC92MJ05304	Sociology of Sanitation	04
	4	Major/ DBCE	SOC92MJ05404	Indian Social Philosophy	04
	5	Major/ DBCE	SOC92MJ05504	Sociology of Sports	04
	6	Major/ DBCE	SOC92MJ05604	Sociology of Ageing	04

	7	Major/ Research	SOC92MJ05704	Dissertation *Students have to choose any 2 DBCE courses listed above for 8 credits (2 x 4 credit = 4 credits) for B.A. (Hons.) in Sociology OR undertake a research project/ dissertation for 8 credits for B.A. (Hons with research) in Sociology. **Only those students having CGPA more than 7.5 throughout the previous semesters may undertake Dissertation of 8 credits**	08
		Total Credits for Semester X			**20**

M.A. in Sociology

The teaching and research activities at the Department focus on three key aspects of sociological studies: Theory and Social Thought; Methodological Orientation and Methods of Social Research; and Substantive Studies on various Dimensions of Social Life. The interdisciplinary approach is deeply embedded in both the structure and content of the courses offered in the M.A. programme.

For the Master's programme, the Department offers core courses that include Classical Sociological Thinkers, Indian Society: Structures and Processes, Social Stratification, Sociology of Family and Marriage, Sociological Theories, and Methods and Techniques of Social Research, among others. These courses are designed to provide students with a comprehensive understanding of the discipline, fostering both theoretical knowledge and practical skills.

List of Courses in M.A. in Sociology (80 Credits)

Odd Semester (Semester – I)		
	Course Code	**Course Title**
DBCC	**SOC81DC00104**	Classical Sociological Thinkers
	SOC81DC00204	Kinship, Family and Marriage
	SOC81DC00304	Social Stratification and Mobility

	SOC81DC00404	Indian Social Thought
OEIC	SOC81OE00504	Society and Environment
	SOC81OE00604	Sociology of Health and Healing
	SOC81OE00704	Sociology of Rural and Urban Life
MENC	SOC81ME00800	Yoga, Health and Mental Well Being

Even Semester (Semester – II)

	Course Code	Course Title
DBCC	SOC82DC00904	Sociological Theories
	SOC82DC01004	Methodology of Social Research
	SOC82DC01104	Indian Sociological Thinkers
	SOC82DC01204	Sociology of Sanitation
DBCE	SOC82DE01304	Globalisation and Social Change
	SOC82DE01404	Social Exclusion and Inclusion
	SOC82DE01504	Indian Social System
	SOC82DE01604	Sociology of Ageing
MENC	SOC82ME01700	Constitutional Values

Odd Semester (Semester – III)

	Course Code	Course Title
DBCC	SOC91DC01804	Advanced Sociological Theories
	SOC91DC01904	Methods and Techniques of Social Research
DBCE	SOC91DE02004	Gender and Society
	SOC91DE02104	Sociology of Education
	SOC91DE02204	Political Sociology
	SOC91DE02304	Indian Social Philosophy
	SOC91OE02404	Ethnicity, Pluralism and Nation Building

OEIC	SOC91OE02504	Sociology of Religion
MENC	SOC91ME02600	Indian Knowledge System

Even Semester (Semester – IV)

	Course Code	Course Title
	SOC92DC02704	Indian Society: Structure and Process
DBCC	SOC92DC02804	Modern Indian Social Thought
	SOC92DC02904	Field Work and Report Writing
	SOC92DE03004	Economy and Society
	SOC92DE03104	Sociology of Development
DBCE	SOC92DE03204	Population and Society
	SOC92DE03304	Sociology of Social Movement
	SOC92DE03404	Dissertation
MENC	SOC92ME03500	Innovation and Entrepreneurship

Odd Semester (Semester – I)

	Course Code	Course Title
	SOC81DC00104	Classical Sociological Thinkers
	SOC81DC00204	Kinship, Family and Marriage
DBCC	SOC81DC00304	Social Stratification and Mobility
	SOC81DC00404	Indian Social Thought
	SOC81OE00504	Society and Environment
	SOC81OE00604	Sociology of Health and Healing
OEIC	SOC81OE00704	Sociology of Rural and Urban Life
MENC	SOC81ME00800	Yoga, Health and Mental Well Being

Ph. D. in Sociology

The Department aims at teaching and research that largely include – Theory and Thought; Methodological and theoretical Orientations; and Substantive Studies on different dimensions of social

life. In this programme, interdisciplinary orientation is reflected in the contents of the courses offered. The main areas of the research include Indian Social Thought, Sociology of Religion, Sociology of Peace and Conflict, Gender Studies, Social Demography, Social Exclusion, Culture and Development, Social Stratification, Dalit Studies, Rural Sociology, Education, Health Care.

List of Courses in Ph.D. in Sociology

Course Code	Course Title	Credit
SOC 901	Research Methodology	4
SOC 902	Tools & Techniques of Research	4
SOC 903	Preparation and presentation of Research Proposal	4
SOC 904	Research and Publication Ethics (RPE)	2
Total Credits		**14**

Master of Social Work (MSW)

Students enrolling in the Social Work programme come from diverse academic and personal backgrounds, each with their own unique professional and personal motivations for pursuing a master's degree in social work. To accommodate this diversity, the curriculum has been thoughtfully designed to enable students to build on their existing knowledge and skills. It incorporates innovative teaching methods aimed at strengthening foundational skills and concepts.

With a focus on evolving professional opportunities and the dynamic needs of the field, the Department has crafted a course curriculum that is both adaptable and forward-looking, ensuring students are well-prepared to excel in their academic and professional journeys. The M.A. Programme is divided into four Semesters.

Course Structure Master of Social Work (MSW) (80 Credits):

Odd Semester (Semester – I)		
	Course Code	**Course Title**
DBCC	**SWK81DC00104**	Nature and Development of Social Work
	SWK81DC00204	Social Work: Theory and Practice
	SWK81DC00304	Dynamics of Indian Society and Social Work
	SWK81DC00404	Field Work Practicum (Concurrent- I)
OEIC	**SWK81OE00504**	Social Security and Social Justice
	SWK81OE00604	Society, Culture and Deviance
	SWK81OE00704	Society and Environment
MENC	**SWK81ME00800**	Yoga, Health and Mental Well Being

Even Semester (Semester – II)		
	Course Code	**Course Title**
DBCC	SWK82DC00904	Social Welfare Administration and Social Action
	SWK82DC01004	Sanitation and Social Work
	SWK82DC01104	Social Work Research and Statistics
	SWK82DC01204	Field Work Practicum (Concurrent- II)
DBCE	SWK82DE01304	Contemporary Social Issues
	SWK82DE01404	Health Care and Social Work
	SWK82DE01504	Labour Welfare and Labour Laws
	SWK82DE01604	Social Exclusion and Inclusion
MENC	SWK82ME01700	Constitutional Values

Students will go for a four-week Block Placement after completion of second semester examination and before the start of third semester.

Odd Semester (Semester – III)		
	Course Code	**Course Title**
DBCC	SWK91DC01804	Block Placement (four week)
	SWK91DC01904	Field Work Practicum (Concurrent- III)
DBCE	SWK91DE02004	Gender and Society
	SWK91DE02104	Political Sociology
OEIC	SWK91OE02204	Ethnicity, Pluralism and Nation Building
	SWK91OE02304	Sociology of Religion
MENC	SWK91ME02400	Indian Knowledge System

Even Semester (Semester – IV)		
	Course Code	**Course Title**
	SWK92DC02504	Filed of Social Work

DBCC	**SWK92DC02604**	Human Rights and Social Legislation
	SWK92DC02704	Field Work Practicum (Concurrent- IV)
DBCE	**SWK92DE02804**	Dissertation
	SWK92DE02904	Corporate Social Responsibility
	SWK92DE03004	Community Development Programmes
	SWK92DE03104	Social Work and Disaster Management
MENC	**SWK92ME03200**	Innovation and Entrepreneurship

Odd Semester (Semester – I)		
	Course Code	**Course Title**
DBCC	**SWK81DC00104**	Nature and Development of Social Work
	SWK81DC00204	Social Work: Theory and Practice
	SWK81DC00304	Dynamics of Indian Society and Social Work
	SWK81DC00404	Field Work Practicum (Concurrent-I)
OEIC	**SWK81OE00504**	Social Security and Social Justice
	SWK81OE00604	Society, Culture and Deviance
	SWK81OE00704	Society and Environment
MENC	**SWK81ME00800**	Yoga, Health and Mental Well Being

Brief Profile of Faculty Members

	Prof. Anil Kumar Singh Jha **Professor** Ph. D. (JNU, New Delhi) **Specialization**: Gender, Social Demography, Sociology of Sanitation, Social Thought		**Prof. (Dr.) Mamillapally Vijay Kumar Sharma** **Professor and Head** Ph.D. in Sociology and Ph.D. in Social Work (Osmania University, Hyderabad **Specialization:** Indian Sociological Thought, Development studies and community development, Industrial Relations, and Personnel Management and HRM Voluntary Sector in India Medical sociology
	Dr. Sanat Kumar Sharma Associate Professor Ph.D. (BHU, Varanasi) **Specialization**: Indian Social Thought, Sociology of Religion		**Dr. Samapika Mohapatra** Associate Professor M.Phil. and Ph.D. (CSSS/SSS, JNU) **Specialization**: Gender Studies, Sports Studies, Social Exclusion and Inclusive Development
	Dr. Haresh Narayan Pandey Assistant Professor Phil. and Ph. D in Sociology (JNU, New Delhi) **Specialization**: Modernisation, Globalisation, Development, Culture, Identity		**Dr. Jitendra Ram** Assistant Professor M. Phil. and Ph.D. in Sociology (JNU, New Delhi) **Specialization**: Social Exclusion, Dalit Studies, Social Stratification, Research Methodology

Dr. Priya Ranjan Assistant Professor M.Phil. and Ph. D in Sociology (JNU, New Delhi) **Specialization**: Sociology of Religion, Sociology of Education, Indian Social Thought	**Mr. Aditya Mohanty** Assistant Professor M.A. (Sociology) (JNU, New Delhi) **Specialization**: Development Management, Urban Planning and Postcolonial Futures
Dr. Parijat Pradhan Assistant Professor M.Phil. and Ph. D. in Sociology (BHU, Varanasi) **Specialization**: Caste and Social Stratification, Dalit Studies, Rural Sociology, Political Sociology	**Mr. Ahammedul Kabeer Ap** Assistant Professor *Specialization: Sociology of Development, Sociology of Education, Media and Public Sphere and Sociology of Social Movements*

Department of Historical Studies & Archaeology

The Department of Historical Studies and Archaeology provides students with an advanced system of knowledge grounded in new epistemological and ontological foundations, fostering research explorations in historical studies. It emphasizes the reconstruction and understanding of the past, recognizing its critical role in preserving cultural and intellectual heritage and uncovering the true spirit of a nation.

India's journey through its cultural, civilizational, and historical course has been both intricate and remarkable. The country boasts a rich tapestry of historical events across various spheres of human existence, including cultural, socio-economic, and politico-administrative domains. Furthermore, India's National Freedom Struggle stands as an unparalleled mass movement in world history, marked by extraordinary sacrifices from Indian masses, intelligentsia, peasants, tribes, and common citizens—unmatched by any other third-world nations.

The Department is inspired by the vastness and uniqueness of India's past, driving efforts to delve deeper into historical phenomena with innovative and contemporary approaches. By leveraging the dynamic interplay between education and technology, it seeks to explore new frontiers of research and knowledge creation within the existing historical knowledge base.

Central to the Department's teaching-learning methods is the inculcation of a deep commitment to India's culture and traditions. This focus is framed within the evolving and contending narratives of the contemporary 'Idea of India,' creating a comprehensive and meaningful educational experience for students.

Vision:

The Department envisions leading research initiatives, particularly in the fields of Indian culture and Indian Nationalism. Situated in Gaya, a historical epicenter of Buddhism, the Department benefits from unparalleled access to resources in Buddhist studies. This unique position facilitates advanced research in the field while enabling the establishment of academic partnerships with institutions across Asian countries that are deeply influenced by Buddhism, fostering a global exchange of ideas.

Additionally, this region has played a pivotal role in the Nationalist Movement, from the revolt of 1857 to the Quit India Movement of 1942. Its rich historical significance provides abundant sources for inspiring fresh research endeavors. The Department is committed to leveraging these advantages to enrich historical studies and contribute meaningfully to academia.

Objectives:

- The primary objective of the Department is to emphasise the importance of theory and analytical concepts in reconstructing the past.
- To promote researches in hitherto unexplored areas with a focus on the primary sources in languages ranging from Sanskrit, Pali, Prakrit to modern Indian languages, along with the archaeological sources.
- To focus on the study of contemporary Indian History along with exploring the history of other countries.
- To focus on historiography and the philosophy of history and to follow new global historiographical trends such as oral history, gender history, intellectual history, cultural history, subaltern history and the post-modernistic perspectives.

Five-Year Integrated UG-PG Programme in History

Proposed Course Structure: -

Sr No.	Semester/Course Name	Course Code	Total Credit	Type of Course (L/T/P)
	SEMESTER-I			
	MAJOR			
1.	**IDEA OF BHARAT**	**HIS51MJ00104**	**4**	**L**
	MINOR			
2.	**(IDEA OF BHARAT** **FOR STUDENTS OF OTHER DEPARTMENTS)**	**HIS51MJ00104**	**4**	**L**
	MULTIDISCIPLINARY COURSE			
3.	One Course from the given List of Multidisciplinary Courses **HISTORY OF PEACE AND HAPPINESS**	**HIS51MD00203**	**3**	**L**
	SKILL ENHANCEMENT COURSE (SEC)			
4.	One Course from the given List of SEC Courses **TOURISM IN INDIA: PRINCIPLES, METHODS AND EVOLUTION**	**HIS51SE00303**	**3**	**L**
	VALUE ADDED COURSE (VAC)			
5.	Two Courses from the given List of VAC Courses **VALUES AND BELIEFS IN INDIAN HISTORY**	**HIS51VA00402**	**2**	**L**
6.	**SWAYAM COURSE** **(COURSE RELATED TO YOGA/SPORTS/SANITATION ETC.)**	**HIS51SW00502**	**2**	**L**
	ABILITY ENHANCEMENT COURSE (AEC)			
7.	**HINDI LANGUAGE** **(FROM HINDI DEPARTMENT)**		**2**	**L**
	Total Credits at the End of 1ˢᵗ Semester		**20CREDITS**	
	SEMESTER-II			
	MAJOR			
8.	**WORLD CIVILIZATIONS IN ANCIENT AND MEDIEVAL PERIOD**	**HIS52MJ00604**	**4**	**L**
	MINOR			

9	WORLD CIVILIZATIONS IN ANCIENT AND MEDIEVAL PERIOD (For Students of other Departments)	HIS52MJ00604	4	L
	MULTIDISCIPLINARY COURSE			
10.	One Course from the Given List of Multidisciplinary Courses **DIASPORA IN MODERN INDIAN HISTORY**	HIS52MD00703	3	L
	SKILL ENHANCEMENT COURSE (SEC)			
11.	One Course from the given List of SEC Courses **TOURIST SITES OF INDIA: FEATURES AND IMPORTANCE**	HIS52SE00803	3	L
	VALUE ADDED COURSE (VAC)			
12.	Two Courses from the given List of VAC Courses **HISTORY OF BHARATIYA LOK SAMSKRITI**	HIS52VA00902	2	L
13.	**SWAYAM COURSE** **(SWACHH BHARAT INTERNSHIP/ SPORTS/CONSTITUTIONAL VALUES ETC.)**	HIS52SW01002	2	L
	ABILITY ENHANCEMENT COURSE (AEC)			
14.	One Course from the given List of AECC Courses **ENGLISH LANGUAGE** (From Department of Foreign Language)		2	L
	Total Credits at the End of 2ND Semester		20CREDITS	
	SEMESTER-III			
	MAJOR			
15	**HISTORY OF INDIA (EARLIEST TIME TO 650AD)**	HIS61MJ01104	4	L
16.	**HISTORY OF EUROPE (13TH Century to 1789)**	HIS61MJ01204	4	L
	MINOR			
17.	For Students of Other Departments **HISTORY OF EUROPE (13TH CENTURY TO 1789)**	HIS61MJ01204	4	L
	MULTIDISCIPLINARY COURSE			
18	One Course from the list of Multidisciplinary Courses **WOMEN IN INDIAN HISTORY**	HIS61MD01303	3	L
	SKILL ENHANCEMENT COURSE (SEC)			
	. One Course from the given List of SEC Courses			

19	ARCHIVES AND MUESEUMS	HIS61SE01403	3	L
	ABILITY ENHANCEMENT COURSE (AEC)			
20.	One Course from the Given List of AEC Courses **MAJOR HISTORICAL READINGS IN ANCIENT INDIA**	HIS61AE01502	2	L
	Total Credits at the End of 3ʳᴰ Semester		20CREDITS	
	SEMESTER-IV			
	MAJOR			
21	**HISTORY OF INDIA 650 AD-1206AD**	HIS62MJ01604	4	L
22	**MEDIEVAL INDIA**	HIS62MJ01704	4	L
23	**HISTORY OF EUROPE 1789-1914**	HIS62MJ01804	4	L
24.	**UNDERSTANDING CULTURAL HERITAGE OF INDIA**	HIS62MJ01902	2	L
	MINOR			
25	**MEDIEVAL INDIA** **(For students of other departments)**	HIS62MJ01704	4	L
	ABILITY ENHANCEMENT COURSE (AEC)			
26.	ONE COURSE FROM THE GIVEN LIST OF AEC COURSES **MAJOR HISTORICAL READINGS IN MEDIEVAL INDIA**	HIS62AE02002	2	L
	Total Credits at the End of 4ᵀᴴ Semester		20CREDITS	
	SEMESTER-V			
	MAJOR			
27	**HISTORY OF INDIA (1757-1857)**	HIS71MJ02104	4	L
28	**HISTORY OF INDIAN NATIONAL MOVEMENT (1857-1947)**	HIS71MJ02204	4	L
29	**HISTORY OF MODERN WORLD (1914-1945)**	HIS71MJ02304	4	L
30	**HISTORY OF MARATHA**	HIS71MJ02402	2	L
	MINOR			
31	**HISTORY OF INDIAN NATIONAL MOVEMENT (1857-1947)** FOR STUDENTS OF OTHER DEPARTMENTS	HIS71MJ02204	4	L
	MULTIDISCIPLINARY COURSE			
	Internship			

32		HIS71MJ02502	2	L
	Total Credits at the End of 5ᵀᴴ Semester			
	SEMESTER-VI		**20CREDITS**	
	MAJOR			
33	**CONTEMPORARY INDIA**	**HIS72MJ02604**	**4**	**L**
34	**WORLD AFTER 1945**	**HIS72MJ02704**	**4**	**L**
35	**AN INTRODUCTION TO HISTORIOGRAPHY**	**HIS72MJ02804**	**4**	**L**
36	**ASIAN RESURGENCE**	**HIS72MJ02904**	**4**	**L**
	MINOR			
37.	(FOR STUDENTS OF ANOTHER DEPARTMENT) **CONTEMPORARY INDIA**	**HIS72MJ02604**	**4**	**L**
	Total Credits at the End of 6ᵀᴴ Semester		**20CREDITS**	
	SEMESTER-VII			
	MAJOR			
38.	**HISTORIGRAPHICAL TRADITIONS IN INDIA**	**HIS81MJ03004**	**4**	**L**
39	**BHARATIYA CHINTAN PARAMPARA -I**	**HIS81MJ03104**	**4**	**L**
40.	**HISTORY OF RESISTANCE-PEASENT AND TRIBAL UPRISINGS IN COLONIAL INDIA**	**HIS81MJ03204**	**4**	**L**
41.	**MAJOR CURRENTS IN HISTORICAL THOUGHT**	**HIS81MJ03304**	**4**	**L**
	MINOR			
42	FOR STUDENTS OF ANOTHER DEPARTMENT **BHARATIYA CHINTAN PARAMPARA-I**	**HIS81MJ03104**	**4**	L
	Total Credits at the End of 7ᵀᴴ Semester		**20CREDITS**	
	SEMESTER-VIII			
	MAJOR			
43	**HISTORICAL RESEARCH AND INVESTIGATION**	**HIS82MJ03404**	**4**	**L**
44	**BHARATIYA CHINTAN PARAMAPARA-II**	**HIS82MJ03504**	**4**	**L**
45	**HISTORY OF BIHAR-I**	**HIS82MJ03604**	**4**	**L**
46	**SWAYAM COURSE**	**HIS82SW03704**	**4**	**L**
	DISSERTATION ON "LOCAL HISTORY" NOTE: - ONLY THOSE STUDENTS HAVING CGPA MORE THAN 7.5 THROUGHOUT THE PREVIOUS SEMESTERS MAY UNDERTAKE A DISSERTATION OF 12 CREDITS IN PLACE OF THREE 4-CREDIT COURSES IN SEMESTER VIII /MA SEM I	**HIS82MJ03812**	**12CREDITS**	**DISSERT-ATION WORK**

	MINOR			
47	**BHARATIYA CHINTAN PRAMPARA-II** (For students of other Departments)	**HIS82MJ03504**	**4**	L
	Total Credits at the End of 8TH Semester		**20 CREDITS**	
	SEMESTER-IX			
	MAJOR			
48. 49. 50.	Any One Course According to the Specialization of the students **ASPECTS OF ECONOMIC LIFE IN ANCIENT INDIA/** **ASPECTS OF ECONOMIC LIFE IN MEDIEVAL INDIA/** **ASPECTS OF ECONOMIC LIFE IN MODERN INDIA**	**HIS91MJ03904** **HIS91MJ04004** **HIS91MJ04104**	**4** **4** **4**	L L L
51 52 53	Any One Course According to the Specialization of the students **SOCIETY, CULTURE AND RELIGION IN ANCIENT INDIA/** **SOCIETY, CULTURE AND RELIGION IN MEDIEVAL INDIA/** **SOCIETY, CULTURE AND INTELLECTUAL HISTORY OF MODERN INDIA**	**HIS91MJ04204** **HIS91MJ04304** **HIS91MJ04404**	**4** **4** **4**	L L L
54. 55. 56.	Any One Course According to the Specialization of the students **SCEINCE, TECHNOLOGY AND MEDICINE IN ANCIENT INDIA/** **SCIENCE, TECHNOLOGY AND MEDICINE IN MEDIEVAL INDIA/** **SCIENCE, TECHNOLOGY AND MEDICINE IN MODERN INDIA**	**HIS91MJ04504** **HIS91MJ04604** **HIS91MJ04704**	**4** **4** **4**	L L L
57 58 59	Any One Course According to Specialization of the students **ART AND ARCHITECTURE IN ANCIENT INDIA/** **ART, ARCHITECTURE IN MEDIEVAL INDIA/** **HISTORY OF IDEAS IN COLONIAL INDIA**	**HIS91MJ04804** **HIS91MJ04904** **HIS91MJ05004**	**4** **4** **4**	L L L
60 61 62	Any One Course According to Specialization of the students **STATE AND ADMINISTRATION IN ANCIENT INDIA/** **STATE AND ADMINISTRATION IN MEDIEVAL INDIA/** **STATE AND ADMINISTRATION IN MODERN INDIA**	**HIS91MJ05104** **HIS91MJ05204** **HIS91MJ05304**	**4** **4** **4**	L L L
	Total Credits at the End of 9TH Semester		**20 CREDITS**	

	SEMESTER-X			
	MAJOR			
63	**18TH CENTURY IN INDIAN HISTORY**	**HISMJ05404**	**4**	**L**
64	**HISTORY OF BIHAR-II**	**HIS92MJ05504**	**4**	**L**
65	**INDIAN KNOWLEDGE SYSTEM**	**HIS92MJ05604**	**4**	**L**
66	**MAJOR THEMES IN THE ENVIRONMENTAL HISTORY OF INDIA**	**HIS92MJ05704**	**4**	**L**
67	**MAJOR HISTORIOGRAPHICAL DEBATES IN INDIAN HISTORY**	**HIS92MJ05804**	**4**	**L**
68	**OR,** **DISSERTATION** **NOTE: - ONLY THOSE STUDENTS HAVING CGPA MORE THAN 7.5 THROUGHOUT THE PREVIOUS SEMESTERS MAY UNDERTAKE A DISSERTATION OF 20 CREDITS IN PLACE OF FIVE 4-CREDIT COURSES IN SEMESTER X** **HIS92MJ05920**		**OR,** **20CREDITS**	**DISSER-TATION WORK**

TOTAL CREDITS IN FIVE YEAR INTEGRATED MA HISTORY PROGRAMME -200CREDITS

M.A in History

The Department offers a Master's programme in History spanning two years and comprising four semesters. Designed with a well-structured and balanced syllabus, the programme incorporates various dimensions of historical studies and emphasizes fostering nuanced and sophisticated perspectives on the past. It is meticulously tailored to expand students' knowledge base in historical studies while enhancing their analytical and conceptual clarity.

Semester 1		
HIS81DC00104	Historiography: Concept, Methods and Evolution	4
HIS81DC00204	History of India (From Earlier Times to Gupta Age)	4
HIS81DC00304	Indian National Movement	4
HIS81DC00404	Tourism in India: Principles, Methods and Policies	4
HIS81OE00504	Contemporary India	4
HIS81ME00600	History of Folk Culture in India	0

Semester-2		
HIS82DC00704	Concept and Methodology of Historical Research and Investigation	4
HIS82DC00804	Early Medieval India	4
HIS82DC00904	Medieval India	4
HIS82DC01004	Tourist Sites in India: Features and Importance	4

HIS82DE01104	Women in Modern Indian History	4
HIS82DE01204	Major civilizations in Ancient and Medieval World	4
HIS82DE01304	18th century in Indian History	4
HIS82DE01404	Modern World - I	4
HIS82DE01504	Modern World - II	4
HIS82DE01604	Diaspora and the Modern period	4

Semester-3		
HIS91DC01704	Historiographical Traditions in India	4
HIS91DC01804	Local History Field Work, Review of Literature and Synopsis Presentation	4
HIS91DE01904	Culture, Relation and Society in Ancient India	4
HIS91DE02004	Culture, Relation and Society in Medieval India	4
HIS91DE02104	Society, Culture and Intellectual History of Modern India	4
Total-20		
Semester-4		
HIS92DC02604	Local Histories: Presentation and Defence of Dissertation	4
HIS92DC02704	History of Traditional Indian Knowledge System	4
HIS92DC02804	Values and Beliefs: Lessons from Indian History and Culture	4
HIS92DE02904	Major Themes in the Environmental History of India	4
HIS92DE03004	Art, Architecture and Heritage in India	4
HIS92DE03104	Art and Architecture in Ancient India	4
HIS92DE03204	Art and Architecture in Medieval India	4
HIS92DE03304	Major Themes in Gender History of India	4
HIS92DE03404	Review of Historical Development in India	4
HIS92DE03504	Important readings in Ancient/Medieval/Modern History	4
HIS92DE03604	History of Contemporary Asia	4
Total-20		

Basket of Open Elective

1. Contemporary India- HIS81OOE00504
2. World in the Twentieth Century-HIS91OE02504
3. History of Resistance-HIS81OE03704
4. History of Peace and Happiness in India- HIS81OE03804
5. History of Science and Technology in India- HIS91OE03904
6. History of Skill Development in India-HIS91OE04004

Basket of Mandatory Elective Non-credit Course (MENC):
1. History of Folk Culture in India - HIS81ME00600
2. Language and History-writing-HIS81ME04100
3. Indian History as a source of Value and Ethics -HIS91ME04200

Note-
1. It is mandatory for the students to earn minimum 8 credits from the courses Offered by other Departments.
2. The students may also earn the credits by selecting relevant courses offered on SWAYAM (UGC) by following the due procedure.

Ph.D. in History

The Department of Historical Studies & Archaeology is going to offer Ph.D. in History from this session.

List of courses in Ph.D. Programme as follows:

Course Code	Course Title	Credit
HIS101DC00104	Research Methodology	4
HIS101DC00204	Research Trends in Indian History and Historiography	4
HIS101DC00304	Preparation and presentation of Research Proposal	4
HIS101DC00402	Research and Publication Ethics (RPE)	2
	Total Credits	**14**

Brief Profile of Faculty Members

Prof. Anand Singh Professor & Head *Specialization*: .Buddhist Archeology, Sacred Geography/ Magadh, Buddhist Environmentalism	**Dr. Sudhanshu Kumar Jha** Assistant Professor Ph.D. (Patna University) **Specialization**: Indian Philosophical Traditions, Historiography, Nationalism, National Movement, Economic History, Tribal, Peasant, Gender History & Environmental History
Dr. Priti Anil Khandare Associate Professor *Specialization: Ancient Indian history, Modern history, Dalit history, social cultural history, World history, women history*	*Mr. Rohit Kumar* Assistant Professor Ph.D. BHU **Specialization**: Historiography, writings on Indian national movements, Gender History, Subaltern writings.
Dr. Neeraj Kumar Singh Assistant Professor Ph.D. (University of Lucknow) **Specialization**: Indian socio-political tradition and traditional knowledge systems	**Dr. Anil Kumar** Assistant Professor Ph.D. JNU New Delhi **Specialization**: Maratha History, Urbanizations, Environmental history, History and Anthropology, Family History

From the Academic Year 2025-26 the University is likely to start a 2 Year Master of Library and Information Science in regular mode.

SCHEME OF PAPERS

First Semester

Paper Code.	Proposed Nomenclature of the paper	Internal Assessment Marks	Exam. Marks	Duration	Total Marks
MLIS - 01	Foundations of Library and Information Science	20	80	3 hours	100
MLIS - 02	Knowledge Organization: Library Classification and Cataloging (Theory)	20	80	3 hours	100
MLIS - 03	Library Classification (Practical)	20	80	3 hours	100
MLIS - 04	Information Communication Technologies: Basics (Theory)	20	80	3 hours	100

Second Semester

Paper No.	Proposed Nomenclature of the paper	Internal Assessment Marks	Exam. Marks	Duration	Total Marks
MLIS - 04	Management and Organization of Libraries and Information Centres	20	80	3 hours	100
MLIS - 06	Information Sources and Services	20	80	3 hours	100
MLIS - 07	Library Cataloguing (Practical)	20	80	3 hours	100
MLIS - 08	Information Communication Technologies: (Practice)	20	80	3 hours	100

Third Semester

Paper No.	Proposed Nomenclature of the paper	Internal Assessment Marks	Exam. Marks	Duration	Total Marks
MLIS - 09	Information, Communication and Society	20	80	3 hours	100
MLIS - 10	Information Analysis, Consolidation, Repackaging and Retrieval	20	80	3 hours	100
MLIS - 11	Information Communication Technologies: Advanced (Theory)	20	80	3 hours	100
MLIS - 12	Electronic Resources Management	20	80	3 hours	100

Paper No.	Proposed Nomenclature of the paper	Internal Assessment Marks	Exam. Marks	Duration	Total Marks
MLIS - 13	Information Communication Technologies: Advanced (Practice)	20	80	3 hours	100
MLIS - 14	Research Methodology	20	80	3 hours	100
MLIS - 15	Technical Writing and Communication Skills	20	80	3 hours	100
MLIS - 16	Elective Paper (Candidate can choose any one from the blow mentioned paper)				
MLIS - 16(A)	Academic Library and Information System	20	80	3 hours	100
MLIS - 16(B)	Public Library and Information System	20	80	3 hours	100
MLIS - 16(C)	Marketing of Library and Information Products and Services	20	80	3 hours	100

FACILITIES

1. Library Collection:

Rajarshi Janak Library

The Central University of South Bihar has established a well-equipped Rajarshi Janak Library to meet the information needs of students and faculty and support their academic pursuits. The library boasts an extensive collection of over 48,275 print books, 6,400 e-books, 143+ print journals, 6,900 online e-journals (accessible via e-ShodhSindhu), 5 online e-databases, 15 print magazines, 11 newspapers, and 2,800 bound journal volumes. These resources support teaching, research, and academic curricula across various science and social science disciplines and include Encyclopedias, Handbooks, Miscellaneous Reports, Dissertations, and Archives.

To ensure efficient organization, all books are bar-coded and systematically arranged using the Dewey Decimal Classification (DDC) scheme. Additionally, an Online Public Access Catalogue (OPAC) of library resources, alongside a Digital Library, is accessible on every computer within the University premises via the Local Area Network (LAN)..

2. Library Automation and Remote Access Services:

A self-oriented, user-friendly, and fully automated service for book issuance and returns, enhanced by RFID technology,

significantly reduces the time required for circulation operations. RFID ensures a quicker and smoother borrowing and return process for users.

Remote access is available to users anytime, anywhere, enabling seamless 24x7 access to e-Resources via a centralized Integrated e-Resources Management system. With a single username and password, users can effortlessly retrieve their desired resources, including e-databases, e-books, and e-journals, from the remote network. To further enhance accessibility, the Central Library offers cloud-based remote access services through the MyLOFT application software.

3. Online Public Access Catalogue (OPAC):

Through OPAC, a user will be able to find out the exact location and availability   of documents (Books, Ph.D. Thesis, PG Dissertations, etc.). OPAC application software allows users to search their desire documents on own parameters such as title, author's name, subject and keyword with mere clicks.

4. eSS INFLIBNET Service:

eSS (e-ShodhSindhu) consortia for Higher Education e-Resources provide access to qualitative electronic resources including full-text 6900 core and peer-reviewed e-journals, and a number of e-databases in different disciplines from a large number of publishers and consortium such as Annual Reviews, EPW, JSTOR, Oxford University Press, Project Muse, Springer, Taylor & Francis, ISID Database, Ouriginal (formerly known as URKUND) software for Plagiarism detection.

Apart from these, the facility of LMS, IRINS, and e-PGPathshala online learning resources through INFLIBNET are available to the Central Library.

5. Subscribed e-Database and e-Books:

Keeping in view the need of the users, the Central Library has subscribed to several databases, such as SCC Online, Hein Online, Manupatra Online, AIR Online, DELNET's e-databases and along with, Central Library has more than 6400 e-books from world's major publishers such as Wiley Online, Cambridge University Press, Springer, Brill, Elsevier etc., and user can access and download through MyLOFT application software anytime and from anywhere of all subscribed e-Resources.

6. Library Services:

The Central library is open to users seven days a week, from 9:00 a.m. to 6:00 p.m., during which users can read, borrow, and return books, as well as access the Reference Section. The Central Library offers a wide range of services to cater to users' diverse needs, including Circulation Service, Inter-Library Loan through DELNET, and Current Awareness Service (CAS).

Through the OPAC system, users can conveniently search for book availability, check the current status of books, view return due dates, and reserve or hold books as needed. These services aim to enhance the overall user experience and streamline access to library resources.

7. Common Computer Lab

The computer system serves as a unified computational resource for academic programmes and other computing needs across the University. The computer lab acts as a central facility, offering students, teachers, and staff access to essential tools for assignments, projects, dissertations, and research-related activities. Additionally, the lab is equipped with printing and scanning facilities to support their work efficiently.

8. Internet & Intranet

Internet connectivity is provided under the National Mission on Education through Information and Communication Technology (NME-ICT) project by the Government of India. All computers are connected via a high-speed 1 GBPS Internet connection. The Intranet network, featuring gigabyte Ethernet and an Optical Fiber Cable (OFC) backbone, ensures seamless connectivity across departments, the library, classrooms, and administrative offices.

To guarantee stable and efficient computing, the campus network is equipped with world-class networking products from CISCO. Additionally, all 72 classrooms are outfitted with smart classroom devices, complete with Internet access, enhancing the educational experience and technological integration.

9. Wi-Fi Facility

Students can access the facilities in the buildings in the campus. Students, Research scholars and faculty members are free to access the Wi-Fi internet.

10. Resources

The University currently hosts over 500 high-performance computers, all equipped with the latest operating systems and application software to meet academic requirements effectively. These computers are safeguarded by firewalls and reliable antivirus software to protect against viruses, malware, and unauthorized access.

The University holds licensed copies of specialized software, including SPSS, MATLAB, MINITAB, Adobe Creative Suite, QuarkXPress, KOHA, Windows Server 2008R, and Red Hat, ensuring robust support for varied academic and research activities. Additionally, powerful online UPS systems are installed to safeguard computers and other sensitive devices from power fluctuations and surges, ensuring uninterrupted functionality.

11. Website & E-mail Facility

A fully functional website of the university has been developed. It is maintained and updated regularly. URL of website is www.cub.ac.in or www.cusb.ac.in. The University has a powerful e-mail system with group mail IDs of students and faculty members.

12. Accommodation

Three well-furnished and aesthetically designed hostels—two for girls and one for boys—have been constructed within the University campus to provide students with the best possible facilities. For leisure and recreation, the hostels are equipped with both indoor and outdoor sports facilities, ensuring a balanced and enriching living experience.

Accommodation allotments in the hostels are carried out in accordance with the norms, procedures, and administrative guidelines detailed in the "Rules and Regulations Governing Hostel Administration and Residency," as approved by the University's Statutory Bodies.

13. 'Jeevak' Health Centre

Named after the renowned physician Jivaka Komarabhacha, the personal physician of Lord Buddha and a legendary figure in the history of medicine, the Jeevak Health Centre reflects a legacy of care and healing. The Centre is located within the University campus and is dedicated to providing comprehensive healthcare services to students, faculty, and staff.

The Health Centre operates under the supervision of resident doctors and offers 24x7 ambulance services for general ailments, ensuring prompt and efficient medical assistance. It is well-appointed with modern facilities, including a mini 8-bed hospitalization unit, designed to cater to the immediate healthcare needs of the University community.

In honoring the spirit of Jeevak, who was revered for his skill and compassion, the Health Centre aims to uphold these values by delivering accessible and reliable medical care in a nurturing environment.

STUDENTS' SUPPORT: NURTURING GROWTH AND DEVELOPMENT

Office of the DSW

Prof. Pawan Kumar Mishra - DSW

Room #111, main Building, CUSB, Gaya
Email: dsw@cusb.ac.in
Phone: 8218601421

Office of the Proctor

Prof. Pranav Kumar - Proctor

Room #111, main Building, CUSB, Gaya
Email: proctor@cusb.ac.in
Phone: 0631 2229 524

CULTURAL ACTIVITIES

The University's Cultural Committee, at the heart of its creative and expressive endeavors, is led by a dedicated chairperson. The Committee organizes a diverse range of cultural activities and events throughout the year, serving as the nucleus for student engagement, talent exploration, and personal growth. It offers students a vibrant platform to identify and develop their hidden talents across various cultural domains, such as arts, music, drama, literature, and more.

This dynamic Committee plays a pivotal role in fostering inclusivity and inter-cultural understanding by celebrating traditions, hosting festivals, and encouraging cross-cultural collaboration. It collaborates with student clubs and societies to curate innovative programmes, including exhibitions, performances, and competitions that showcase creativity while uniting the University community.

In nurturing creativity and cultural heritage, the Cultural Committee ensures that students not only excel in their respective passions but also contribute to a legacy of artistic excellence and community building.

STUDENTS WELFARE AND SUPPORT UNITS

Scholarships Schemes

A number of scholarship schemes, as given below, are available for deserving and needy students:

(a). Merit-cum-Means Scholarship

The University encourages and supports the meritorious students who are in need of financial assistance to pursue their studies smoothly through Merit-cum-Means Scholarship. The scholarship is awarded in the form of waiver of tuition fee up to 20% of students in each programme

(B). Earn While You Learn (EWYL) Scheme

EWYL is a unique scheme of the University aimed to encourage and support students to make them self-reliant and also develop better cooperation and leadership skills. Under the scheme, a student with relevant qualification/experience may be assigned a task for a maximum of 10 hours per week. This includes assistance in library, computer lab, laboratory, faculty, centre/department, office, placement section and other specific requirements.

(C). Attendance Based Merit Scholarship

An innovative scheme to increase classroom attendance is available for the students. Students achieving 100% attendance during a semester are provided book(s) of their choice/need or reimbursed up to Rs. 1,000 at once.

(D). Common Entrance Test / Semester Toppers Merit Scholarship

The University encourages and supports students having secured 1st Position/Rank in the Entrance Test / Semester Examination.

(E). Scholarship to Divyang Students

The University encourages its whole time Divyang students especially those belonging to economically weaker sections of the society to carry on their studies by offering them special financial assistance in the form of scholarship through which they may meet their extra expenses on transport.

Psychological Counselling and Guidance Services

Mental health, much like physical health, plays a critical role in ensuring efficiency and productivity. It is indispensable for the teaching-learning process, fostering creativity, and maintaining a positive environment within academic institutions. Recognizing this, the University adopts a progressive approach by introducing psychological counseling and guidance services for students, faculty, and staff. Plans are underway to develop innovative initiatives, such as 'Crisis Intervention Programmes' and 'Community Mental Health Programmes,' to further enhance mental well-being. To promote effective learning, the practice of the motto 'Learning Together' is embraced, encouraging collaboration and mutual support among all members of the academic community.

Career Counselling and Placement Cell

The University has a Career Counselling and Placement Cell which takes care of the campus placements and job opportunities for the students enrolled in various courses under different Centres / Departments. Some of the key responsibilities of the Career Counselling and Placement Cell are:
1. To 319rganize the job-oriented awareness related workshops from time-to-time for the university students.

2. To provide placement training to students with sessions on Resume / CV writing, conducting mock interviews, group discussion, etc.
3. To invite the experts from corporate 320rganize320ion for interactive sessions, lectures on soft skills and providing placement training to the students.
4. To disseminate related to job opportunities information in the concerned centres / departments.
5. To 320rganize job fairs / career related fairs for the job seekers in the university premises.

Student Welfare

The University has an office of Dean Students' Welfare which is mandated to look after the general welfare of students outside classrooms, which contribute to the growth and development of their personality. Various activities and initiatives with respect to the following are coordinated by this office, viz. –
1. organizing educational tours, excursions and sports activities;
2. promoting social and cultural activities among students;
3. organization of student bodies in the University;
4. student-teacher relationship;
5. facilitating financial aid to needy students, securing of fellowships or scholarships, students' concession for travel etc.;
6. health and medical services to students;
7. student counselling;
8. special arrangement to be provided, if any, to women students, and differently abled students;
9. liaisoning between university administration and students;
10. providing student with information related to infrastructural facilities;
11. liaisoning with Alumni Association

Anti-Ragging Cell

In accordance with the UGC Regulations 2009 on preventing ragging in higher educational institutions, all forms of ragging have been completely prohibited across the University. This includes its departments, centers, and all premises—academic, residential, sports, canteen, etc.—whether located on or off-campus, as well as all modes of student transportation. The University upholds a zero-tolerance policy towards ragging and ensures strict action against offenders, adhering to UGC guidelines.

Educational Tours

To support educational tours required by course curricula, the University may offer financial assistance to students when needed. This assistance includes one-time to-and-fro travel via non-AC sleeper class rail fares by the shortest route. For areas not accessible by rail, financial support equivalent to actual bus fares may be provided.

Sports

Sports activities in the University are overseen by the Sports Committee, which is responsible for organizing various events throughout the year. A sports schedule is included in the academic calendar and distributed to students at the start of the academic year. The Sports Committee ensures a variety of activities are available for both boys and girls, fostering engagement and promoting physical fitness across the academic year.

Grievance Redressal Cell

To address students' grievances concerning both academic and non-academic matters, the University has established an effective Grievance Redressal Cell. This cell ensures prompt and efficient resolution of issues, fostering a supportive environment for all students.

SC/ST/OBC Minority Cell

The University is dedicated to supporting SC/ST/OBC and minority students through its SC/ST/OBC Minority Cell. This cell plays a crucial role in implementing and monitoring the reservation policy, addressing student concerns, and fostering their academic growth. To bridge any gaps in learning, the University provides access to educators with expertise and specialization in areas where students may require additional support, helping them to excel alongside mainstream peers.

Equal Opportunity Cell

In alignment with UGC guidelines, the University has established an Equal Opportunity Cell to eliminate discrimination and foster awareness. This cell is led by an Anti-Discrimination Officer of professorial rank, ensuring effective oversight and implementation of anti-discrimination measures.

Women Task Force

The University has constituted a Women Task Force dedicated to ensuring the safety and protection of women on campus and in hostels. This initiative aims to create a secure and conducive working and learning environment, enabling women to carry out their academic and professional activities without concern.

SPARSH

Under the UGC (Promotion of Equity in Higher Educational Institutions) Regulations 2012, the University has launched SPARSH (Sensitization, Prevention, and Redressal of Sexual Harassment). SPARSH is committed to preventing sexual harassment within the University and fostering a campus environment free from gender-based discrimination, harassment, and violence. It also conducts programs to raise awareness and promote equity.

Proctorial Board

The University has established a Proctorial Board tasked with maintaining discipline across the campus. By observing and addressing the general conduct of students, the Board works to foster a harmonious and cordial atmosphere conducive to learning and personal growth.

(b) Extension activities outreach programme

Unnat Bharat Abhiyaan
Universities, as centers of higher learning, serve as powerful catalysts for social progress and transformation. Under the government's Unnat Bharat Abhiyaan initiative, institutions of higher education are tasked with revitalizing and advancing rural India. Situated in one of the underdeveloped regions, the University is committed to bridging disparities between the rich and the poor, rural and urban populations, and fostering significant rural development in the area. As part of this initiative, the University has adopted several villages near Panchanpur and is actively addressing critical issues such as education, health and sanitation, entrepreneurship, and agriculture. Through these efforts, the University aims to uplift the living standards of nearby residents, empowering them to achieve self-sufficiency and sustainable growth.

Legal Aid Clinic
Legal Aid and Awareness Campaigns play a vital role in driving social progress, a fact repeatedly emphasized by the Government of India. In the context of poverty and inequality, legal aid serves as an

effective tool for achieving the ideals of 'Social, Economic, and Political' Justice enshrined in the Constitution under the Directive Principles of State Policy. Creating legal awareness is the essential first step towards ensuring timely and effective access to justice.

Recognizing this, the Bar Council of India mandated all law colleges and universities to establish and operate legal aid centers or clinics. These initiatives not only aim to uphold certain standards of legal education but also encourage students to engage with their communities by promoting legal awareness through these clinics and programs. The overarching goal is to familiarize thousands of law students with the challenges faced by marginalized populations who are unaware of their rights and legal remedies.

At the School of Law and Governance, the CUSB Legal Aid Clinic stands as a shining example of this initiative. The clinic actively organizes legal literacy camps, seminars, legal counseling sessions, public speaking events, poster-making activities, street plays, and collaborations with Legal Services Authorities, using various forms of media to disseminate awareness effectively.

Blood Donation Camp

The University regularly organizes Voluntary Blood Donation Camps in collaboration with the Red Cross Society. These indoor camps see active participation from students, faculty, and non-teaching staff, promoting a culture of social responsibility and community service.

Study Circle

The University has established the Students Study Circle, "Renaissance," with the goal of enlightening students and disseminating knowledge on various important events. Through seminars, debate competitions, and similar activities, the study circle fosters intellectual growth and engagement within the campus.

Smile Group

SMILE is a voluntary social service initiative primarily driven by students. It focuses on addressing the challenges faced by underprivileged children and inspiring them to overcome these hurdles with the support of parents, teachers, and society. Members of the group visit schools and student catchment areas on designated days, donating stationery and other essential study materials, interacting with children, studying their cases, and motivating them to actively participate in both curricular and co-curricular activities.

CUSB Honesty Shop

The real test of character lies in resisting temptation, and in line with this principle, the University has launched an innovative initiative—an Honesty Shop. This initiative aims to instill essential life skills and promote ethical values among students. The shop offers a variety of stationery items, including pencils, notebooks, pens, sharpeners, erasers, scales, staplers, cardboard, colors, and whiteners. Uniquely, the shop operates without a shopkeeper or monitoring system like cameras. Prices for each item are displayed, and students are trusted to pay the appropriate amount into the cash box provided. In an age where ethical values are often compromised, this shop serves as a platform to nurture honesty and moral integrity among students.

CUSB Book World

The University has also introduced "Book World," a collaborative initiative by students and teachers that focuses on the principles of reading, sharing, and donating books. This effort seeks to cultivate a culture of learning and encourage reflection on diverse social issues through reading sessions, discussions, and debates. Moreover, it aims to support students who are passionate about reading but may lack the resources to purchase books. For over two years, Book World has been successfully fostering a love for learning and has received recognition from the Indian Sociological Society in its e-Newsletters.

ADMISSION POLICY

1. No candidate shall be eligible to register for a full-time programme of study if s/he is already registered for any full-time programme of study in this University or any other University/Institution or is in full time employment.

2. To decide policy matters on admission and to oversee the admission process, there is the 'University Admission Teaching and Evaluation Committee (UATEC). The Admission Committee governed by UATEC takes appropriate steps for admission in various programmes.

3. The UGC guidelines and Government of India directives regarding reservations in admission are followed.

4. The fee structure for different programmes is decided by the Academic Council on the recommendation of UATEC.

5. In the event of a student withdrawing admission, the issue of cancellation of admission and refund of tuition / hostel fee, etc. to the student are decided in the light of the UGC & Education Ministry directives and University policy in this regard.

6. Important dates related to the admission are announced by the University. The University holds the right to cancel the application and admission of any candidate for wrongful submission of facts pertaining to qualification, reservation and/or any other matters.

7. Any complaint or grievance regarding the admission may be made in writing to the University Admission Committee.

Reservation in Admissions: The Central University of South Bihar follows the reservation policy in admissions as per provisions contained in the Central Educational Institutions (Reservation in admission) Act, 2006 and as amended in 2012 and thereafter from time to time.

*****

Salient Features of Academic Curriculum

Why Study at CUSB

Salient Features of CUSB:
Salient Features of CUSB:

a. **Rich Heritage and Ecofriendly Campus**
   The University lies in the historic Magadha Plain of India, enriched with Indian culture and values. Located within the Buddhist circuit—where Lord Buddha attained enlightenment 2600 years ago—CUSB offers an ecofriendly campus adorned with abundant greenery inside and outside its premises.

b. **Connectivity and Accessibility**
   CUSB benefits from excellent connectivity, situated just 15 km from Gaya railway station and 40 km from Gaya International Airport, making it easily accessible for students and visitors alike.

c. **Special Cell for Foreign Students**
   A dedicated cell is in place to assist foreign students, providing focused support to address their concerns and ensure a seamless academic experience at CUSB.

d. **Admission of Foreign Students**
   Each year, numerous foreign students join various academic programs at CUSB, either on a self-financing basis or through sponsorships/funding from the Government of India. Foreign nationals are exempt from appearing in CUET entrance exams but must meet the minimum eligibility criteria prescribed in the University's prospectus.

e. **Globally-Oriented Programs**
   CUSB offers Graduate, Postgraduate, and Ph.D. programs designed to cater to the needs of Indian and international students. Its 21st-century curriculum is crafted to meet global standards, ensuring students receive a world-class education.

f. **Central Library**
   The University's Central Library is a hub of academic resources, hosting over 31,000 books to support curricula, teaching, and research in science and social science fields. It subscribes to 108 high-quality print journals and magazines from renowned global publishers, alongside access to more than 8,000 online journals.

g. **Central Instrumentation Facility (CIF)**
   CUSB has established a CIF, complementing well-equipped departmental laboratories. This facility houses advanced analytical instruments to support multidisciplinary research and serve the academic needs of universities, institutes, and industries. Researchers from various sectors are welcome to access CIF's high-end resources.

h. **International Collaboration**
   CUSB maintains a Memorandum of Understanding (MoU) with Aston University in Birmingham, UK. This collaboration focuses on key research areas, including Stem Cell Therapy, Drug Designing, and Mental Health. The MoU has contributed to CUSB's popularity among students seeking admission in diverse programs.

i. **Career-Oriented Courses**
   CUSB's programs provide comprehensive exposure to prepare students for careers in academics, journalism, administrative services, social work, research organizations, think tanks, policy-making, and global institutions like the United Nations, World Bank, and IMF.

j. **Innovative Teaching Methodology**
   The University integrates cutting-edge technology into its teaching methodology, featuring a

Continuous Assessment System. This innovative system embeds evaluation within the teaching-learning process to optimize student engagement and academic outcomes.

k. **World-Class Faculty**
CUSB boasts a faculty group with international acclaim, comprising experts in science and humanities with extensive global experience.

l. **Advanced Research Opportunities**
Research at CUSB is supported by national and international funding agencies. Laboratories are equipped with advanced instrumentation to enable cutting-edge research in key focus areas.

m. **A Home Away from Home**
CUSB is more than an academic institution—it is a supportive community that provides students with a sense of belonging and comfort. The campus environment is designed to foster camaraderie, inclusivity, and holistic development, ensuring that students feel at home even when they are miles away from their families. From its welcoming residential facilities to its warm and vibrant campus culture, CUSB strives to create a nurturing atmosphere where students can thrive both personally and academically.

Indian Council of Cultural Relations (ICCR)

Established in 1950, the Indian Council of Cultural Relations (ICCR) is India's first autonomous organization, dedicated to fostering and strengthening international cultural relations. Its primary mission is to actively participate in the development and implementation of policies and initiatives that promote mutual understanding and cultural exchange between India and other nations. Fully committed to supporting foreign students, ICCR facilitates several initiatives aimed at enhancing global cultural ties.

ICCR's objectives include:
1. Fostering and strengthening cultural links and mutual understanding between India and other countries.
2. Encouraging cultural exchanges with people and institutions worldwide.
3. Establishing and sustaining relations with nations to promote global cooperation.

ICCR's vision is to preserve and celebrate India's rich artistic and cultural heritage. Its mission extends to creating a comprehensive cultural mapping of India's vast and diverse legacy, ensuring mechanisms are in place to address the aspirations of artists across the nation. By doing so, ICCR seeks to preserve India's cultural richness for future generations while fostering vibrant cultural engagement and awareness across the country.

How to Get Admission in CUSB?

The applications of Foreign Nationals (FNs) seeking admission in various programs of the study are processed through OFFICE of INTERNATIONAL AFFAIRS (OIA). The Foreign Nationals are admitted to a maximum of 10 % of the total seats in each course on supernumerary basis. The Admissions of Foreign National to various programs in the Central University of South Bihar (CUSB) are entertained through following categories: -

1) Self-financing students

2) Sponsored candidates (Foreign Nationals seeking admission through Indian Council for Cultural Relations (ICCR) or any other funding agency recognized by the Government of India. Such application should reach us through ICCR only.

Foreign Nationals seeking admission in any of the categories under (1) and (2) above are exempted from appearing in entrance test. However, they will have to satisfy the minimum eligibility criteria for admission to the various programmes of study as prescribed by the University.

Eligibility Criteria
a) The applicant should have completed 17 years of age; however, there is no maximum age limit for foreign nationals.
b) The Degrees/Certificates of the candidates have been recognized and approved by the Association of Indian Universities (AIU)/Commonwealth Universities/International Association of Universities (IAU) as equivalent to the corresponding Indian Degrees/Certificates. In case a student's parent University/Institution does not have a program, which is recognized by AIU, equivalent program may be considered. In this respect the Admission Committee's decision shall be deemed as final.

c) All Foreign Nationals are required to have adequate knowledge of English and/or Hindi as per the requirements of the course/program.

Provisional Admission
a) After screening of the application by respective Departmental admission committee, only successful candidates who fulfill the eligibility condition will be issued a provisional admission letter by the OIA office, CUSB.
b) Copies of the provisional admission letter are sent to the (i) ICCR, Regional office Patna, 67-68/40. Officers' flats, Opposite Suchna Bhavan, Patna-800001, Bihar, India in New Delhi, (ii) ICCR Head office, New Delhi and (iii) applicant's email address. Hence, applicants are advised to write their email addresses and other details correctly on the application forms.

c) Provisional admissions are subject to verification of all original documents and mere issue of provisional admission letter does not guarantee a seat in any specific course/program of the Central University of South Bihar.

d) In case the university found that the applicant has/had produced fake/forged certificate(s)/document(s), indulged in any act of misconduct/indiscipline/moral turpitude and has/had concealed any other relevant information at the time of seeking provisional admission at any stage of the course of study, their admission is liable to be cancelled and prosecuted.

Document Requirement

1) At the Time of Application
a) Duly filled in application form which can be downloaded from the University website along with the processing fee.

b) The applications of scholarship-holding Foreign Nationals (under various schemes) should be routed through the Indian Council for Cultural Relations/ Ministry of Human Resource Development (Department of Education), Govt. of India, New Delhi.

c) A copy of valid foreign passport

d) Two passport size photographs. The photo of the applicant should not be older than six months from the date of application

e) Photocopies of Certificate for Proof of Age and Qualifications.

f) The antecedents of the candidate should have been verified by the forwarding Agencies/Ministry and should be certified as found in order. Transcripts from High School onwards with certified English translation, if the documents are in any other language. Candidates are suggested to enclose such documents, which in their opinion could convince the Admission Committee regarding their suitability for admission to the course(s) applied.

g) Statement of Purpose (in case of PhD admission)

2) *At the Time of Admission*

A student selected for admission is required to report to the Office of International Affairs (OIA), CUSB with the following documents, in original, along with one photocopy of each document. Certified English translation of such copies should also be submitted, if these are in a different language.

a) Valid Passport and VISA

b) All the certificates and transcripts of different examinations, (including grade conversion formula from the institution (if marks not mentioned/awarded in percentage).

c) Medical fitness certificate from a recognized hospital. Applicants may be subjected to Medical Test (HIV). In case found HIV positive, admission will not be granted.

d) Health Insurance Policy.

e) Payment of all the fees/charges as per university norms, subject to revision if any. The University reserves the right to alter the fee structure whenever necessary.

f) All Foreign Nationals applying for admission under self-financing category are required to provide detail of the Bank account etc. and a certificate from their respective banks/ (latest bank statements) to the effect that they have sufficient funds available in their bank account to sustain their studies in India for the duration of the programme.

Hostel Accommodation

The allotment of hostel accommodation is subjected to availability. If requested, hostel accommodation may be provided on sharing basis at one of the available hostels of the University, as per CUSB norms.

Registration with Foreign Regional Registration Office (FRRO)

Under the Registration of Foreigners Rules 1939, every foreigner who is in India, for stay in excess of (90) ninety days (for purpose of other than tourism) is required to register himself/herself within (14) fourteen days of arrival in India with the Foreigners Regional Registration Officer in the place of ordinary residence and declare his/her registered address. The Office of International Affairs (OIA) would assist the students in preparing necessary documents for the purpose.

Rules and Regulations

Every Foreign National student is expected to follow all the laws, rules and regulations of India as well as the norms of the University.

1. The students should not engage themselves in any kind of indiscipline, in any crime or indulge in any illegal activities, in any political or otherwise controversial activities, activities prejudicial to the interest of the host country, activities embarrassing the relations between the host country and any foreign country.

2. The University reserves the right to cancel the admission of any student found to be engaged in activities prejudicial to the interest of the University or the country and take steps for the cancellation of VISA as well as deportation from the country.

3. After completion of the programme, no student shall be entitled to the University accommodation.

4. Candidates admitted to any programme in this University shall not be eligible to pursue simultaneously any other *full-time* Course in this or in any other University/Institution.

5. After submitting the Application form, no student is allowed to take back his/her Application Form

6. Submission of Application Form does not guarantee admission.

7. Request for change of programme at any stage will not be entertained under any circumstances.

8. Foreign Nationals taking admission in any of the programme, shall not be entitled to any financial assistance from the University.

9. All students seeking admission to CUSB are strongly advised not to use the services of third party/ agents/ admission service firms. CUSB has not authorized any agency/individual/ agent to act on its behalf and/or to charge any fee from prospective students.

10. Applications/ inquiries received through middlemen/ third party will not be entertained and will be categorically rejected.

a) The lists of the course of the study/programs available at CUSB are

Programme	Course	Duration
Undergraduate	B.A.LLB	5 years
	BBALLB	
	B.A/B.Sc. - M.A/M.Sc. in Geography	
	B.A/B.Sc. - M.A/M.Sc. in Statistics	
	B.Sc. - M.Sc. In Chemistry	
	B.Sc. - M.Sc. In Physics	
	B.A/B.Sc. - M.A/M.Sc. in Mathematics	
	B.A/B.Sc. - M.A/M.Sc. in Psychology	
	B.A - M.A in Political Science and IR	
	B.A - M.A in History	
	B.A - M.A in English	
	B.A - M.A in Hindi	
	B.A - M.A in Economics	
	B.Com. - M.Com. in Commerce	
	B.A - M.A in Sociology	
	B.A - M.A in Journalism and Mass	

	Communication	
	B.Sc. - M.Sc. In Geology	
	B.Sc. - M.Sc. in Computer Science	
	B.Sc - M.Sc. in Life Science	
	B.Sc. B.Ed.	4 years
	B.A. B.Ed.	
	B.Sc. (Hons.) Agriculture	
	Diploma in Pharmacy subject	2 Years
Masters	M.A. in Journalism & Mass Communication	2 /1 years
	M.A./M.Sc. in Psychology	
	M.A. in English	
	M.A. in Sociology	
	M.A. in Social Work	
	M.A. in Political Science & International Relation	
	M.A. in Economics	
	M.A. in History	
	M.Sc. in Biotechnology	
	M.Sc. in Bioinformatics	
	M.Sc. in Life Science	
	M.Sc. in Environmental Science	
	M.Sc. in Computer Science	
	M.Sc. / M.A. in Mathematics	
	M.Sc. in Statistic	
	M.Sc. in Physics	
	M.Sc. in Chemistry	
	LLM	
	M.Com	
	M.Ed	
	M.Sc. Geography	
	M.Sc. Geology	
	M. Pharm. (Pharmaceutics)	
	M. Pharm. (Pharmacology)	
	M.P. Ed	
Doctorate (Ph.D.)	Ph.D. in Bio-Informatics	6 years maximum
	Ph.D. in Biotechnology	
	Ph.D. in Life Science	
	Ph.D. in Environmental Science	
	Ph.D. in Mathematics	
	Ph.D. in Statistics	
	Ph.D. in Computer Science	
	Ph.D. in Chemistry	
	Ph.D. in Physics	
	Ph.D. in Psychology	
	Ph.D. in Geology	
	Ph.D. in Geography	
	Ph.D. in English	
	Ph.D. in Hindi	
	Ph.D. in Communication & Media Studies	
	Ph.D. in Economics	
	Ph.D. in Political Science & International Relations	
	Ph.D. in History	

	Ph.D. in Sociology	
	Ph.D. in Education	
	Ph.D. in Law	
	Ph.D. in Commerce	
	Ph.D. in Pharmacy	
	Ph.D. in Physical Education	

Fees for Foreign Nationals

Fees structure applicable for different categories of the FNs is given below. Any kind of 'Fee' or Charges' (in US Dollars or equivalent Indian Currency) are to be paid in the form of Demand Draft in favour of "The Registrar, Central University of South Bihar" payable at Gaya or any other mode as decided by the University, from time to time. The quantum of any type of fee may be modified by the CUSB from time to time.

S.No.	Particulars (tuition fees)	Fees per Academic Year (in USD)
1	**PG Programme**	
	a) M.A.	850.00
	b) M.Sc./M.Ed./M.Com.	1000.00
	c) LLM	1500.00
2	**Integrated Programme**	
	a) 4-Year Integrated B.A. B.Ed. / 5-Year Integrated B.A.LLB	900.00
	b) 4-Year Integrated B.Sc. B.Ed.	1000.00
3	**Research Programmes** a) Ph.D. in School of Education/ School of Languages & Literature/ School of Law & Governance/ School of Social Sciences & Policy	1200.00
	b) Ph.D. in School of Earth, Biological and Environmental Sciences / School of Human Sciences / School of Mathematics, Statistics & Computer Science / School of Media, Arts and Aesthetics / School of Physical and Chemical Sciences / School of Vocational Studies	1500.00
4	**Others** a) Transportation	300.00
	b) Hostel Accommodation (optional)	As per ICCR HRA
	c) Hostel Mess (optional)	Actual basis

Contact OIA, CUSB

The Office of International Affairs is in Administration building of the university campus. For any admission related query, please contact in office hour (Mon-Fri: 10AM to 5PM) and also on email at OIA@cusb.ac.in and nldevi@cub.ac.in.

Office of International Affairs Committee

Prof. Anand Singh Chairman E-mail: hod.his@cusb.ac.in, anandsingh@cusb.ac.in	
Dr. N. L. Devi (Assistant Professor) Secretary Room No-228, Science Building, CUSB Campus Phone: 9431693017 E-mail: nldevi@cub.ac.in	Dr. Sudhanshu Kuamr Jha (Assistant Professor) Member Room No-302, Social Science Building, CUSB Campus Phone: 9334486170 E-mail: sudhanshujha@cub.ac.in
Dr. Lakhwinder Singh (Assistant Professor) Member Room No-002, Science Building, CUSB Campus Phone: 8427471769 E-mail: lakhwinder@cusb.ac.in	Sh. Sagar Kumar Verma, Assistant Academic Representative Room No-304, Administrative block, CUSB Campus Phone: 9460543210 E-mail: maheshchawla@cusb.ac.in

Contact
Prof. Narendra Kumar Rana
Registrar, CUSB
Email: - registrar@cub.ac.in
Telephone: - 0631-2229-507

***

Dear Student,

Here are the guidelines for Enrollment and Visa Requirements for International Students.

After receiving an eligibility letter for admission from CUSB, it is crucial to complete all necessary formalities in your home country in accordance with its regulations for students studying abroad. This includes procuring a Student Visa. For Ph.D. students, a Research Visa must be obtained from the Indian Embassy in your country. Additionally, Ph.D. students holding Overseas Citizenship of India (OCI) status must secure approval for their research studies via a Letter of Permission from the Ministry of Home Affairs, Government of India.

Enrollment is recommended within one month of admission but must be completed within the period of eligibility, typically within the next two terms following the receipt of the admission letter.

IN ORIGINAL (and make several photocopies of each):

1. Eligibility letter for Admission, issued by Central University of South Bihar.

2. Proof of Age / PASSPORT with copies / Passport size photographs

3. Marksheets/Certificates/Transcripts of Academic records; Migration/Transfer Certificate, as issued by the institution last attended.

4. Valid Appropriate Student Visa or Research Visa stamped into Passport, OR Letter of Permission for OCIs. Please note that the visa endorsement should be specifically for Study and acceptable to Banaras Hindu University.

5. For Nepal & Bhutan nationals only: Citizenship Certificate (in absence of Visa), duly countersigned by the Consular Wing of the Mission of India in the respective country (AND in case of PhD Admission, a NO OBJECTION LETTER from the Mission.

6. For Iran nationals: NOC from the Islamic Republic of Iran in India (in addition to the Visa issued by the Indian Embassy abroad).

After your documents are confirmed by the International Student Centre, you are required to undergo a medical **HIV test**. Please note that currently if you are found HIV-positive, the Government of India usually will not allow admission.

After the HIV Test is completed, the International Student Centre will issue you a **Certificate of Clearance** which you will then carry to your concerned Centre/ Department/Programme/ Academic section/Controller of examinations (CoE) office for verification of your original academic records entries and signature made in the Application form etc.

Once the Academic Section/ Controller of examinations office completes all necessary formalities, you will be asked to deposit the Tuition and University Fees for the Academic Year specific to your course, **within three working days,** failing which admission shall be cancelled. **Late admissions cannot be accepted.** Upon payment, you will receive an original Fee Receipt.

Controller of examinations (CoE)/Academic Section will issue an **Enrolment Number** to you within 3-5 days after checking your records.

Report to the concerned Dean/Head/Coordinator/Principal, along with the fee receipts immediately for entering your name in the records of the Centre/Department/Programme. Obtain Identity Card, complete it and get it signed by your Dean/Head/Coordinator/ Principal. Day Scholars must obtain a signature from the City Delegacy. You must carry the Identity Card with you at all times as a student.

Further, you may avail the **library, medical computer Wi-Fi and hostel facilities** (subject to its availability) **etc.** by applying at the Respective Units of the University.

As an international student at CUSB, you MUST register with the Senior Superintendent Office Patna/FRO
(**https://indianfrro.gov.in/frro/** (Foreigners Registration Office) within ten days of admission.

- Complete Online Form C-Arrival Report of Foreigner, obtain Bonafide Student's Certificate from your Faculty/Department/ School and Warden of the Hostel (in case hosteller) and **submit it to the International Student Centre for endorsement.**

-

- Report to the Senior Superintendent of Police Office/FRO, located at Police Head Quarters Gandhi Maidan, Patna-4, Bihar as stipulated in your Passport, along with Form C, your CUSB paper work, letter of admission, Fee Receipt Identity Card and Bonafide Student's Certificate issued by the concerned faculty/department and **duly countersigned by the International Student Centre.**

By accepting admission as a student of CUSB, you agree that you will:

✔ abide by the guidelines issued periodically by the Government of India and/or the Central University of South Bihar

✔ deposit University fee at the appropriate times annually during the entire duration of your course

✔ fulfill the attendance requirements for class and for appearing at all examinations

✔ take any absence from CUSB only **after prior intimation and permission** from the concerned Head/Dean (and Regional Officer,
for ICCR Scholars)

✔ obtain extension for the period of your Student/Research Visa as needed, and notify any changes to the concerned
   Head/Dean/Coordinator/Principal and **to the International Centre** immediately

As a student of CUSB, you agree that you will NOT:

✗ engage or involve yourself in any political or other controversial activities;

✗ join any activities prejudiced against the interest of your own country or against India;

✗ participate in any activities that may embarrass relations between India as your host country & any foreign country

NOTE on Academic Integrity: Admissions are provisional and subject to verification of the original with copies of mark sheets, certificates and other documents, by the respective Dean of Faculty /Head of Department/ Coordinator/Principal, through the respective Committees involved with admission. Genuineness of the document(s) must be satisfied for obtaining admission.

Provisional admission may be cancelled at any time during the entire period of the concerned course of study, if at any stage it is
detected that the applicant provided fake or forged certificates or documents, indulged in any act of misconduct/ indiscipline/ moral turpitude, OR concealed any other relevant information at the time of seeking provisional admission. Such applicant is liable for prosecution by the Government of India and will be debarred from admission to any courses at CUSB in the future.

****

RULES & REGULATIONS GOVERNING HOSTEL ADMINISTRATION AND RESIDENCY
PART- I:
GENERAL ADMINISTRATION

CHAPTER 1

UNIVERSITY HOSTEL ADMINISTRATION (UHA)

1.1 **DEFINITION OF HOSTEL**: "Hostel" means a unit of residence, by whatever name called, for students of the University provided, maintained or recognised by it.

1.2 **OBJECTIVES OF THE HOSTEL LIFE**
(a)   To ensure that the students are able to devote adequate time for their studies and research;
(b)   To ensure that students coming from different parts of the country and even abroad learn to live together and strengthen their relations with mutual cooperation and goodwill; and
(c)   To develop a climate congenial for co-curricular and extra-curricular activities of students.

1.3 **ORGANISATION AND STRUCTURE OF THE HOSTEL ADMINISTRATION**
(i)   **Organizational Chart (Hierarchy)**:

```
            ┌─────────────────┐
            │      DSW         │
            └─────────────────┘
                     │
                     ▼
            ┌─────────────────┐
            │  Coordinator of │
            │     Hostels     │
            └─────────────────┘
                     │
                     ▼
            ┌─────────────────┐
            │  Chief Warden   │
            │     (IHAC)      │
            └─────────────────┘
                     │
                     ▼
            ┌─────────────────┐
            │     Wardens     │
            └─────────────────┘
                     │
                     ▼
            ┌─────────────────┐
            │  Hostel Office  │
            │      Staff      │
            └─────────────────┘
```
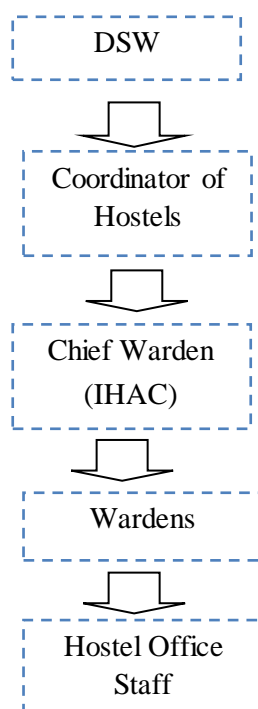
(ii)   The University Hostel Administration shall come under the umbrella of **Dean of Students' Welfare (DSW),** who shall look after the general welfare of students residing in the hotels, and advise the Coordinators of Hostels/s and the Chief Wardens on matters concerning their functions.

(iii)   There shall be one Coordinator of Hostels for each *Cluster* of hostels comprising around 4 hostels for the purpose of looking after the affairs of the hostels. The Coordinator of Hostels shall advise Chief Wardens on the matters concerning their functions. In case Coordinator of Hostels is not existing, his/her functions and duties shall be performed **by the DSW**.

(iv)   There shall be a University Hostel Administration Committee (UHAC) at the University level, which shall be the apex deliberating body dealing with matters pertaining to all the hostels, including common menu, if required. The DSW shall be ex-officio Chairperson of the UHAC (refer to Clause 1.5.1 for details).

(iv)   There shall be three committees at the hostel level, namely, Intra-Hostel Administration Committee (IHAC), Hostel Students Committee (HSC) and Hostel Mess Committee (HMC). The IHAC shall be the highest deliberating body at the hostel level. The other two committees shall ensure students participation in the hostel administration. The structure and functions of the Committees may be changed by the DSW as per the requirements after approval of the Vice-Chancellor (refer to Clause 1.6 for details).

1.4 AUTHORITIES OF THE HOSTEL ADMINISTRATION: FUNCTIONS, POWERS AND ENTITLEMENTS

1.4.1 Dean of Students' Welfare (DSW)

(i)   The DSW shall provide general instructions and guidance to the Coordinator of Hostels and the Chief Wardens on matters concerning to their functions. As far as hostel administration is concerned, the DSW's office shall be engaged in a range of other facilities for hostlers and for other students also.

(ii)   The DSW shall be the Head of the Department so far as Hostels are concerned.

1.4.2 Coordinator of Hostels

1.4.2.1 Appointment

The Coordinator of Hostels shall be appointed by the Vice-Chancellor. The name shall be picked by the VC preferably from a panel of names among teachers of the University recommended by the DSW.

The Vice-Chancellor may, however, terminate the assignment of any Coordiantor of Hostel anytime without assigning any reason. .

1.4.2.2 Tenure

The Coordinator of Hostels ordinarily shall hold office for three (3) years. He/she shall be entitled for re-appointment, other things being the same.

1.4.2.3 Entitlement/Honorarium

The coordinator shall be entitled for honorarium as per rates decided by the University from time to time.

1.4.2.4 Jurisdiction

(i)   The Coordinator of Hostels shall work under overall supervision of the DSW.

(ii)   The Coordinator of Hostels shall look after the affairs of a particular *cluster* and shall advise the Chief Wardens on matters concerning their functions.

(iii)   All kinds of leave applications of the wardens will be forwarded by the concerned Coordinator of Hostels with their specific recommendations.

1.4.2.5 Powers and Functions
The Coordinator of Hostels:

(i)   Shall supervise the hostels in his or her *cluster* in matters relating to the hostels' overall functioning, the inmate-students' welfare and discipline.

(ii)   Shall periodically visit the hostels and be in contact with the Chief Wardens/ Wardens, staff and students.

(iii) Shall encourage sports, cultural and other activities at the *cluster level* so as to promote inter-hostel cooperation.
(iv) May impose fines or waive fines up to the limit set in the List of Rates.
(v) Shallsanctionleave to the Chief Wardens in the *cluster* as per rules.
(vi) Shall declare the allotment list for the cluster of Hostels.
(vii) Perform such other functions as assigned by the DSW or any higher authority from time to time.

1.4.3 Wardens (Applicable to all Wardens including the Chief Warden)
There shall be three Wardens for each hostel. However, if situation demands, the Vice-Chancellor in consultation with the DSW may club works of two or more wardens, or may appoint additional Warden/Wardens.

1.4.3.1 Appointment

(i) Wardens shall be appointed for three (3) years by the Vice-Chancellor from the panel of teachers submitted by the DSW for this purpose. They shall be eligible for re-appointment on the recommendation of the DSW.
(ii) The Vice-Chancellor may, however, terminate the assignment of any Warden anytime without assigning any reason.

1.4.3.2 Entitlement/Honorarium
(i) The Wardens shall be entitled to honorarium as per rates decided by the University from time to time and shall be entitled for an accommodation, subject to availability, preferably inside the University Campus. But they shall have to pay house rent as per rules of the University.
(ii) On the expiry of their term or on termination of their appointment, the Wardens shall be required to vacate the accommodation provided to them immediately.

1.4.3.3 Jurisdiction, Powers and Functions

(i) The Wardens of Hostel shall perform such duties as are assigned to them by the Coordinator of Hostels or Chief Warden, whatever case may be, from time to time and they shall function under the overall charge of the Chief Warden.
(ii) In addition to the specific duties assigned by the Coordinator of Hostels/Chief Warden, the Wardens:
    (a) Shall keep close contact with the inmates and shall pay attention to their health, hygiene and general life in the hostel.
    (b) Functioning under the overall charge/**coordination** of the Chief Warden will be individually and collectively responsible for the smooth functioning of the hostels.
    (**Note:** Each warden shall be responsible for his/her portfolio and such responsibilities as assigned to them by the Coordinator of Hostels/Chief Warden from time to time. Under the collective responsibility principle, they are responsible together for the overall smooth functioning of the hostel and to meet any contingency. All other wardens should communicate the higher authority through proper channel only, i.e., Chief Warden.)
    (c) Shall be responsible for the assigned inmates, if any.
    (d) Shall ensure that the inmates in his or her charge observe the hostel rules properly and maintain discipline and decorum and shall promptly report to the Chief Warden all cases of misbehaviour, indiscipline, and sickness of the inmates in his or her charge.
    (e) May impose fines upon inmate-students as per defined limit.
    (f) Should be available in the hostel office everyday at specified hours (to be notified in the hostel office) to attend to official business and to inmates' problems.
    (g) Shall be responsible for the proper upkeep and maintenance of such properties of the concerned hostel as are under his or her charge.

1.4.4 Chief Warden

1.4.4.1 Appointment and Tenure

(i) The VC in consultation with the DSWshall designate one of the Wardens in a hostel as Chief Warden separately for three (3) years on the basis of the person's all-round experience and capacity to cope with diverse contingencies relating to hostel management. However, the Vice-Chancellor may appoint any teacher as Chief Warden who has not been appointed as Warden. The VC may re-appoint the outgoing Chief Warden again for the next three years.

1.4.4.2. Entitlement & Honorarium

(i) The Chief Warden shall be entitled for the honorarium that shall be generally more than that of other wardens.

(ii) An imprest is granted to the Chief Warden of each hostel for making certain classes of disbursements.

1.4.4.3. Jurisdiction, Powers and Functions

(i) The Chief Warden in a hostel is the principal authority and executive in all matters relating to inmate students' welfare, their discipline and messing as well as the administration and security of the particular hostel. The Chief Warden shall be responsible to the Coordinator of Hostels for the proper maintenance and management of the hostel and of its attached mess.

(ii) To assist the Chief Warden, each hostel has appropriate office staff as well as two or three more wardens to look after general administration, mess, common room, health and recreational facilities, and maintenance and sanitation.

(iii) Chief Wardenshall distribute work between Wardens in a hostel every year at the beginning of **the academic year**, which shall be subject to change as per requirement from time to time.

(iv) Chief Wardenshall approve a warden to take leave from hostel.

(v) Chief Wardenshall supervise all matters concerning the functioning of the hostel.

(vi) Chief Wardenshall chair the meetings of the IHAC in the hostel, which will be held as regularly as may be necessary, but generally in a month.

(vii) Chief Wardenmay impose fines upto the defined limit.

(viii) Chief Wardenmay transfer aninmate from one wing/room of the hostel to another.

(ix) Chief Warden shall regulate expenditure out of the authorized hostel budget and for timely adjustment of temporary advances.

(x) Chief Warden shall be responsible for the maintenance of imprest accounts and for the custody of imprest money.

(xi) Chief Warden shall issue 'No Dues' Certificate to the hostel inmates.

(xii) Chief Warden shall ensure the timely completion of all accounts and records and will examine the bank reconciliation statement of ail accounts pertaining to the hostel.

(xiii) Chief Warden shall ensure proper checking by Office In-chargeand shall verify the wage bills pertaining to the staff employed in the hostel.

(xiv) Chief Warden shall be responsible for proper pursuance of complaints relating to civil/electrical works, repairs/replacements of furniture, fittings etc.

(xv) Chief Warden shall sanction leave to staff of the University working.

(xvi) In addition, the Chief Warden shall normally perform the following responsibilities as Warden (Administration):

(a) Shall allot hostel rooms and supervise them.

(b) Shall check the inmate related registers and the Visitors' Register.

(e) Shall be responsible for the overall security of the hostel and will coordinate his/her responsibility with the Office of the Chief Proctor of the University.

(f) Shall periodically verify the furniture and fittings of the hostel with the assistance of the Attendant, and take action for their repairs/replacement or for obtaining additional furniture.

(g) Shall issue Warning Letter (s) /Memo (s) to inmates and other office staff deployed at the concerned Hostel.

(h) Shall recommend leave for the Attendant and other staff deployed at the Hostel.

(i) Shall make appropriate arrangement for identification of inmates.

1.4.6 Wardens

1.4.6.1 Powers and Functions Relating to Health & Recreation

Warden:

(i) Shall be responsible for general matters relating to health with the advice of the University doctor.

(ii) Shall look after the common room and the sports and cultural programmes of the hostel and will regulate disbursements out of the hostel's recreation grant.

(iii) Shall check the bills prepared by the Attendant for purchase of newspapers and magazines.

(iv) Shall arrange disposal of old newspapers and magazines as per the policy of CUSB and ensure that sale proceeds are deposited in the appropriate Head of Account.

(v) Shall ensure maintenance of discipline and decorum in the common room.

(vi) May permit the common room to stay open beyond the prescribed hour on special occasions.

(vii) Shall pursue, at appropriate level, all complaints relating to common room items like television, etc.

1.4.6.2 Powers and Functions Relating to Sanitation & Maintenance

Warden:

(i) Shall be responsible for all matters relating to hygiene, sanitation and cleanliness of the hostel in consultation with/ upon the advice of the Chief Medical Officer (CMO).

(ii) Shall supervise the work of the sanitation staff, keep a control over their attendance and maintain the Attendance Register.

(iii) Shall keep a watch over the proper use of sanitation articles supplied to the hostel from time to time.

1.4.6.3 Powers & Functions Relating to Mess

Warden:

(i) With the assistance of the Mess Committee, he/she will supervise the functioning of the mess.

(ii) Shall keep a watch over the cleanliness of the dining hall and the kitchen and of the food prepared.

(iii) Shall conduct regular inspection of the kitchen room and the dining hall, especially when the inmates take their meals.

(iv) Shall enforce discipline and decorum in the dining hall.

(v) Shall ensure that stores are kept in good and efficient condition.

(vi) Shall stop mess facilities in respect of inmates defaulting payment of mess bills and recommend action to the Chief Warden as per rule.

(vii) Shall stop mess facilities in respect of those who have vacated the hostel or have been evicted, other things being the same.

(viii) Shall make recommendations to the Chief Warden about refund of mess security to students.

(ix) Shall arrange disposal of empties, crockery etc., if any, and ensure depositing of sale proceeds in the appropriate Head of Account.

1.5   UNIVERSITY- LEVEL HOSTEL COMMITTEE AND ITS FUNCTIONING

1.5.1   University Hostel Administration Committee (UHAC): (composition, quorum, meetings, powers & functions)

The UHAC's composition shall generally be as follows:

(i)   Dean of Students' Welfare: Chairperson

(ii)   Chief Proctor or Chief Proctor's representative: Member

(iii)   All Coordinators of Hostels: Members

(iv)   All Chief Wardens: Members

(v)   Assistant Registrar (AR) or his Nominee: Member-Secretary

Note:-DSW may invite any other Warden/person to the UHAC meeting, if he/she so desires.

(vii)   Quorum: 50 percent members of the committee, including the Chairperson, shall form quorum for holding the meetings.

(viii) Notice of Meetings.

(a)   Ordinary meeting may be called at generally 2 days advance notice.

(b)   Emergency meetings: Any time.

(c)   Meetings of UHAC may be held as and when required, generally once in a semester or as may be decided by the DSW.

(d)   Powers of UHAC:

(i)   The UHAC will be competent to consider and decide or recommend to the VC/ or any other competent authority of the University, as the case may be, all matters relating to hostel administration, students' discipline and general health and well-being of the hotels.

(ii)   Any matter referred to the DSW by the VC or any other competent authorityfor placing before the UHAC.

(iii)   Any other matter as may be decided by the DSW in consultation with the coordinator(s) of Hostels.

1.6   HOSTEL -LEVEL COMMITTEES: STRUCTURE & FUNCTIONS:

1.6.1   Intra-Hostel Administration Committee (IHAC):

The IHAC shall comprise of all the wardens including the Chief Warden, who shall be ex-officio chairperson of the Committee. The IHAC shall be highest deliberative body at the hostel level. Each hostel having strength of approximately 300 inmates shall be managed by the Chief Warden and assisted by other wardens. The Chief Warden in a hostel shall be the principal authority and executive in all matters relating to inmates' welfare, their discipline and messing as well as the administration and security of the hostel. The Chief Warden will also be custodian of finance in the hotel including the imprest. However, he/she may allocate some money from the imprest to other wardens if it is required. The Chief Warden shall be also assisted by office staff. The Wardens shall be responsible for their respective portfolios and are accountable to the Chief Warden. Office In-Charge shall function as conduit between the Chief Warden and other authorities. On the matter of discipline and security, the Chief Warden shall be accountable to Office of the Chief Proctor.

1.6.2   Hostel Students Committee (HSC): Provisions & Functions

(i)   For the proper integration of the students' life, each hostel will have a Hostel Students Committee consisting of a President, a Vice-President and six members. Three of the HSC members and Vice-President will be directly elected by the General Body of the

Hostel concerned and rest of them including the President will be nominated by Chief Warden in consultation with other wardens on the basis of willingness and capacity of such members to undertake the responsibility. For nomination, Wardens under chairpersonship of the Chief Warden may conduct an interview/interactive session. The General Body shall consist of all inmates admitted for the concerned Academic Year. The election/ nomination of the Committees will be held and declared in August each year and in exceptional circumstances the election/nomination may be postponed to September by the Chief Warden in consultation with the DSW. The Chief Warden shall function as Chief Election Officer (CEO) for conduction of the elections and he/she shall be assisted by other wardens and hostel staff. If required, he/she may take assistance from any other staff member(s). An inmate may contest for one post only for HSC/Hostel Mess Committee (HMC). No Re-nomination/re-election on the same post in future shall be permitted.

(ii) Any vacancy in the HSC will be filled in by cooption by the Chief Warden in consultation with the President, if exists, and the members of the Committee.

(iii) **Rules regarding the conduct of elections for the HSC**
(a) Candidates shall have to submit nominations in the prescribed proforma.
(b) A candidate may file more than one nomination for the same post.
(c) A bona fide resident from the hostel shall be eligible for the post of President, Vice-President and other posts of the HSC.
The terminal students and those students/researchers who have been granted extension will not be eligible to contest hostel level elections if the tenure of studentship falls short of the normal duration of the hostel/mess committee.
(d) For the post of member of HSC / Hostel Mess Committee (HMC), the proposer, the seconder and the proposed candidate must be an inmate of the hostel; and his/her, poposer's & seconder's name must be in the electoral rolls of the Hostel notified by the Chief Warden one week prior to the election/nomination.
Note: A student shall contest only for one post, i.e., either for HSC or HMC.
(e) When filing up the nomination form, care must be taken to ensure that the name of the proposer, seconder and the proposed candidate correspond to the name given in the electoral rolls exactly. Addition or deletion or any other change from the original will render the nomination invalid.
(f) Candidates contesting for the post of member of HSC or HMC or President shall abide by the rules, regulations and instructions issued by the Chief Election Officer (CEO), i.e. Chief Warden.
(g) All decisions of the Chief Warden of the Hostel in all matters pertaining to elections shall be final and binding.
(h) Candidates must make themselves accessible and available in the CEO office as and when required.
(i) A proposer or seconder can propose and/or second one candidate only.
(j) The voting shall be done according to single non-transferable vote.
(k) No postal-ballot papers shall be allowed.
(l) The inmates shall bring their valid Identity Cards at the time of casting their votes and show the same to the election official, when demanded.
(m) All concerned shall abide by the rules and regulations framed by the competent authority for assuring smooth elections in the hostel

(v) **Functions & Procedures**

(a) The Hostel Students Committee shall actively participate in (or collaborate with) the Chief Warden & Wardens in the routine functioning and organising of all activities of the hostel to ensure smooth running of the hostel activities.
(b) The Committee shall normally meet twice a month to discuss and mutually settle hostel affairs. The President shall put on the Notice Board the minutes of the meetings after approval from the Chief Warden.

(c) The Committee shall ensure that peace and order is observed at all times by the inmates of the hostel.

(d) The President and members of the Hostel Students Committee shall normally hold office for one year or until next general election takes place, whichever falls earlier.

(e) The HSC and its members shall be subject to all rules/norms as inmates of the hostel and shall be responsible for any violation of hostel rules etc.

(f) General Body Meeting (GBM) may be called, as and when necessary, by the Hostel President with due permission of the Chief Warden by giving at least 24 hours advance notice. The GBM may also be requisitioned on the written request of the members (inmate students) concerned provided such a request is signed by at least 50% of the members of the hostel concerned and notice to this effect be given to the Hostel President at least 48 hours in advance. Information about holding GBM must be communicated to the Chief Warden in writing at least 24 hours in advance. The Chief Warden may monitor the GBM, if he/she wishes to do so.

(g) Procedure for No Confidence/Removal of any members or **President** of the **HSC:** The no confidence motion as per practice may be brought about by a simple majority of the membership (Hostel General Body) by signifying in writing to the Hostel President of their intention to move such a motion against any members/President and calling upon the President to call a meeting of the GBM within a reasonable time but positively within 48 hrs. Such a motion then be tested by 2/3rd majority of the members of the General Body of the hostel concerned present and voting. Provided, however, the President or the members against whom no confidence motion is being moved, shall not have the right to vote. Provided further, that where such a motion is being moved against the President or if the President is not in position or the post is vacant, the GBM may elect its chairperson to conduct the business of the General Body Meeting. Such a chairperson has to be approved by the Chief Warden and will continue to function in place if the President is removed, till new President's election is held, as the case may be. The President shall not chair a GBM that has been called for his/her removal.

(h) If no confidence motion/removal of any members/President is passed by the GBM, this will be minutised by the Committee members/President/elected chairperson as the case may be, and submitted to the Chief Warden, who will decide further course of action in consultation with other Wardens of the Hostel concerned. The decision of Chief Warden shall be final and binding.

1.6.2 Hostel Mess Committee (HMC): Provisions & Functions

(i) To assist the one of the Wardens who has been assigned to look after mess functioning, each hostel shall have a Mess Committee consisting of:
(a) The Warden shall be *ex-officio* Chairperson of the Mess Committee;
(b) Six members (preferably three vegetarians and three non-vegetarians), three of them elected directly by the General Body of Hostel inmates and rest of them nominated by the Warden holding mess portfolio on the basis of their interest in running such affairs;
(c) The members shall hold office for one year from the date of election or till next election, whichever falls earlier;
(d) Any vacancy may be filled by the Warden holding mess portfolio by cooption.

(ii) **Functions of the HMC:** The HMC shall function in accordance with the rules laid down hereinafter. In general, the Committee will:
(a) Supervise the working of the mess;
(b) Ensure compliance with the Mess Rules;

(e) Suggest improvements in the quality of food served in the mess within the stipulated framework;

(g) Arrange special dinners or other functions in the mess and fix the financial limits of expenditure to be incurred on such occasions.

Notes:
1. Members of the HMC may be removed in the same manner as laid down for the removal of the HSC.
2. The **HSC/HMC** are also responsible for any violations of rules, since the members of the Hostel/ **Mess** Committees are firstly the inmates of the hostel.

1.7 OTHER FUNCTIONARIES IN THE HOSTEL (STAFF), THEIR RESPONSIBILITIES AND DUTIES

1.7.1 The Office In-charge-cum-Hostel Assistant

1.7.1.1 Main Responsibilities:

(a) Supervising the staff under his or her control, including the sanitation staff through the Caretaker/Attendant/Sanitary Guide.

(b) Checking and verifying the attendance of the staff under his control and custody of the attendance register.

(c) Forward Casual Leave Application to the staff under his or her control in accordance with the University rules.

(d) Keeping liaison with all Wardens in the Hostel.

(e) Assisting the Chief Warden/UHA/Admission Cell in admission process at hostel level.

(f) Maintaining list of inmates along with their guardians' permanent address and such other information as may be necessary.

(g) Maintaining a close supervision over room vacancy and immediate transmission of vacancy position to the Chief Warden.

(h) Checking the cash book and daily cash scroll with reference to relevant records, vouchers, etc.

(i) Physical verification of cash balance at the end of the month and of cash coupons.

(j) Custody of receipt books and cheque books.

(k) Check and verify and attest all bills, and including all bills related to the wages, overtime of contract staff in the hostel.

(l) Supervisory check on all ledgers, registers and stock registers maintained in his or her office and 'no dues' certificate.

(m) Attending to the observations of internal audit.

(n) Checking the correctness of the pages of receipt books, cheque books, cash coupons and cash books and to maintain proper records for these.

(o) Initiating write-off of fittings, furniture and equipment needing replacement.

(p) Preparing bank reconciliation statements as frequently as may be normally necessary.

(q) Maintenance of casual/compensatory leave account of staff and forwarding of applications for regular leave.

(r) Custody of imprest and maintenance of imprest accounts.

(s) Keeping all application forms for various purposes in sufficient quantity.

(t) Any other work assigned by the Chief Warden/Senior officers of UHA/DSW.

1.7.1.2 Other Responsibilities:

(a) Custody of cash.

(b) Maintaining cash book and its daily closing.

(c) Collecting cash/cheque and issuing receipt.

(d) Paying bills after due scrutiny and on the authority of Chief Warden.

(e) Remitting cash to bank and maintaining bank receipts.

(f) Safe custody of receipt books which are used and in current use lying in his possession.

(g) Preparing and maintaining daily cash scroll.

(h) Maintaining temporary advance register and keeping watch over adjustment of such advances.

(i) Custody of paid vouchers, used receipt and coupon books and counterfoils of cheques.

(j) Maintaining all ledgers.

(k) Maintaining various registers like stock registers of cash coupons, register of deposits, and register of contracts.

(l) Issuing 'no dues' certificate under signature of Chief Warden.

(m) Preparing list of defaulters and submitting it to the Chief Warden.

(n) Typing work as may be assigned by the Chief Warden/Warden.

(o) Maintain room inventories in respect of each room.

(p) Verifying hostel furniture, fittings, etc., periodically and also when an inmate vacates room including on transfer within or outside the hostel and issuing a clearance certificate with reference to the items issued to the student and to charge damages if furniture/fittings are missing or broken, as per direction of the concerned Warden keeping in view the depreciation value.

(q) Maintaining stock registers of furniture/ non-consumable/consumable stores history sheet register, as may be necessary.

(r) Any other work assigned by the Hostel Administration /Senior officer of UHA.

1.7.2 Hostel Attendant
1.7.2.1 Responsibilities:

(a) Preparing and maintaining the master list of hostel rooms indicating the student's name, programme of study, centre/school along with **latest photographs**, local and permanent address/Contact No. etc.

(b) Assisting the Chief Warden in allotting rooms.

(c) Handing over possession of hostel rooms to allottees and obtaining from them acknowledgement of furniture and fittings, in the prescribed Form.

(d) Maintaining individual inmate's files along with student's activities data in the prescribed proforma on the file.

(e) Identifying room vacancy on due dates and to bring it to the notice of Chief Warden.

(f) Reporting and pursuing complaints relating to civil/electrical works, repairs/replacements of furniture, fittings, water cooler, **water purifiers** etc. and preparing a list of outstanding complaints with a view to ensuring that hostel life is smooth and neat and clean. The Chief Warden or her/his authorized person will closely monitor the progress made for resolving the complaint made by the inmates from time to time.

(g) Hostel Attendant has to inspect the hostel regularly on daily basis thoroughly and record any defects etc. in the Attendant's Register, which will be inspected by the Chief Warden **every** week. The Hostel Attendant is required to report immediately in writing to Chief Warden installation/ use of unauthorized equipments/appliances by inmates e.g. air-conditioners, room coolers, refrigerators, gas cylinder/hotplate and cooking arrangement etc.

(h) Indenting and stocking of electric bulbs and tubes and maintaining their stock register.

(i) Double locking inmates' rooms and their reopening as and when ordered by the competent authority.

(j) Assisting the Chief Warden in eviction proceedings and preparing list of personal belongings of evicted students and keeping them in stock.

(k) Preparing bills for newspapers and magazines and maintaining bill register.

(l) Assisting Warden concerned in disposal of old newspapers, magazines, etc.

(m) Receipt and despatch of all office correspondence.

(n) The Attendant will be responsible for the keys of hostel rooms when lying vacant or double locked.

(o) The Attendant shall immediately report in writing to the Chief Warden presence of unathorised guests/ persons, if found living in hostel rooms/premises.

(p) Any other work assigned by Chief Warden (Warden, Admn.)/ Office In-charge.

(q) The Attendant shall directly responsible to the Chief Warden including for forwarding of the attendant's leave application.

(r) The Attendantperforms the responsibilities assigned to Office In-Charge- Hostel Assistant if latter is not deployed/on leave.

1.7.3 Mess Manager/Supervisor (Arranged by the Mess Service Provider)
1.7.3.1 Responsibilities:

(a) Supervising cooks, helpers and daily wage staff.

(b) Timely Execution of any arrangement (like issuing mess coupons) which is in place for facilitating mess facility to the inmates.

(c) Supervising the kitchen room and dining hall.

(d) Keeping watch over the quality and the hygienic preparation of food with reference to the menu.

(s) Any other instruction given by the concerned Warden.

1.7.4 Cook/s (Arranged by the Service provider)
1.7.4.1 Responsibilities:

(a) Timely preparation of food under the guidance of the Mess Manager.

(b) Ensuring cleanliness of the food and the kitchen, upkeep of kitchen equipment.

(c) Helping Mess Manager in receipt and issue of stores.

(d) Any other work assigned by the Mess Manager/Warden.

1.7.5 Helper/s (Mess) (Arranged by the Service Provider)
1.7.5.1 Responsibilities:

(a) Helping the cook in preparing food, cutting vegetables, cleaning rice, pulses, preparing *roties.* etc.

(b) Serving food to diners.

(c) Arranging of clean drinking water on the dining table.

(d) Cleaning kitchen, dining tables, crockeries, utensils, etc.

(e) Any other duty assigned by Mess Manager/thr Warden.

1.7.6 Security Guard (Deployed by Security Officer as per direction of the Chief Proctor):

1.7.6.1 Responsibilities:

(a) Watch and ward.

(b) Ensure that no property belonging to the hostel/University is removed by unauthorised person.

(c) Safe custody of keys of entry points and office rooms in the hostel.

(d) Check the entry of unauthorised persons and non-Hostellers.

(e) To remove stray cattle/dogs, etc. from the hostel and its surroundings.

(f) Patrol of buildings and other installations.

(g) Report cases of theft, sabotage or fire, etc. to hostel authorities and security officer at once.

(h) Any other duty assigned by the Security Officer.

1.7.8 Safaiwala
1.7.8.1 Responsibilities:

(a) To keep common area of hostel, roads, lavatories, etc neat and clean.

(b) To make economical use of cleaning material.

(c) To bring to the notice of the hostel authorities of the place (not allotted to him/her) where insanitary conditions are noticed by him/her.

(d) To deposit garbage, etc, at the appropriate place.

(f) To perform other duties as may be assigned by the Attendant/Hostel Authorities /Sanitary Guide/Inspector.

PART-II:
RESIDENCY RELATED MATTERS
CHAPTER 2

HOSTEL ACCOMMODATION & ALLOTMENT: NORMS, PROCEDURE AND ADMINISTRATION

2.1   ELIGIBILITY FOR ALLOTMENT AND ACCOMMODATION

2.1.1   Statutorily, hostel accommodation is available to only those students who have been admitted to a full time programme of the CUSB, only during working semester. Students who accept employment or join any course outside CUSB will lose their entitlement to hostel accommodation. The students concerned shall be responsible to immediately inform the hostel administration in this regard. Concealment of any information or failure to inform about joining a programme outside CUSB or undertaking employment and salary shall lead to disciplinary action, including eviction from Hostel. Receiving UGC or any other fellowship will not be treated as employment.

2.1.2   Students shall generally have no right to occupy hostel accommodation if a notice for vacation has been issued by the Competent Authority.

2.1.3   Hostel accommodation is available to students for a maximum span of stay as per the normal duration of the programme. For instance, a student enrolled in a P.G. programme shall be entitled for staying in the hostel for only two years.

2.1.4   If the status of any student changes during the period of stay in the hostel, he/she is required to inform the hostel management immediately and should vacate the hostel, if the hostel management finds that he/she is not eligible for hostel accommodation.

2.1.5   The students are entitled for accommodation in the hostel only if they are full time registered students. Accommodation shall not be provided to any student whose registration is cancelled. Any student who is removed from the rolls of university will automatically cease to be a member / occupant of the hostel.

2.1.6   Anyone belonging to Gaya city and following Blocks shall be treated and termed as local and generally not be given hostel. However, they may be considered, on the basis of distance from the campus, for allotment against vacant seats after all the allotments have been done. The **name of such Blocks are**: (i) Tekari (ii) Konch (iii) Belaganj (iv) Paraiya (v) Manpur & (vi) Gaya City Block (Chandauti) (vii) Bodhgaya (viii) Guraru.

2.1.7   Students coming from outside local areas shall have preference over the local students who will be considered only after all the outside applicants have been allotted hostel accommodation. Casual students including any students enrolled for one or more semesters under CBCS scheme from other institutions/Universities shall be considered for accommodation only when seats are available. The Local and Casual Students shall be considered under P-3 category as mentioned below under 2.2.3. However, casual students from abroad may be given priority, as may be decided by the DSW/ Competent Authority on merits of each case.

2.1.8   Allotment shall be made as per select merit lists supplied by the CoE/appropriate authority and on the basis of their application for hostel allotment to be submitted in the concerned Hostel Office.

2.1.9   Students belonging to SC/STcategories shall be given reservation in hostel seats as per quota fixed from time to time by the University. Presently it is 15 percent for Scheduled Caste (SCs); 7.5 percent for Scheduled Tribes (STs). All *DIVYANG* students having benchmark disability, shall be given hostel allotment, irrespective of their merit /priority category.

2.1.10   Some rooms may be reserved for non-resident foreign nationals (i.e., those foreign nationals not residing in India) joining the various full-time programmes of study of the University, so as to provide accommodation at the earliest.

2.1.11   No student is eligible for admission to the hostel room unless he or she deposits the currently applicable hostel dues with the University.

2.1.12   Receipts in respect of payment of hostel dues must be preserved and produced by the student when required.

2.1.13   General Provisions:

(i)   Ph.D. Research Scholars (If hostels are available for them) will be provided hostel facility for the normal period as defined by the University Ph.D. Ordinance with effect from the date of registration or till submission of thesis, whichever is earlier. It may be

extended for one year in two instalments of 6 months each on recommendation of the DRC. However, no extension/permission to stay in the hostel will be given after the submission of the Thesis.

(ii)   The period of allotment, though renewable every year after submission of documentary evidence, shall not exceed the normal period of the course to which a student has been admitted. A student pursuing another Degree course after competing an earlier one, will be required to vacate his room in the hostel and seek fresh accommodation.

(iii)   Students who have joined only Diploma/Certificate or Part-time Courses shall generally not be entitled for accommodation in any Hostel of the University.

(iv)   Students who have been convicted, expelled, rusticated, or are under suspension from the University or at any other place for Indiscipline during the course of their studentship, shall not be considered for allotment of seats in the Hostel.

(v)   Unauthorised occupants shall be expelled from the Hostel by the Chief Warden. It is also the responsibility of the inmates to see that no unauthorised guest stays in his room. Any non compliance is likely to be subjected to severe disciplinary action as per the rules of the University.

(vi)   Defaulters in payment of fees shall be liable for cancellation of their allotment in the Hostel.

(vii)   It shall be necessary for the boarders of the hostel to fulfil the requirements of attendance in the classes as laid down in the regulations. Boarders are liable to lose their hostel seats if they do not fulfil the attendance requirements.

(viii) Students shall not take is as a right to be allocated the same room in the next academic session. In the beginning of each academic session, fresh allotment of accommodation may be made.

(ix)   Category of persons holding the following status shall not be entitled for accommodation in the hostel:

(a) Research Associates (not registered for Ph. D.)

(b) Teacher Fellows

(c) Post-Doctoral Fellows

(d) Un-registered Research Fellows working in Research Projects.

(x)   However, the University may try to provide for separate residential facility for persons in the above categories. Those who are provided accommodation will be allowed to stay for a maximum period of two years. The schedule of rent and electricity charges etc. will be announced separately.

2.2   ALLOTMENT: PRIORITIES AND NORMS
2.2.1   First Priority (P-1)

Students admitted to the full-time Programmes who are not belonging to the categories as stated above under 2.1.6/2.1.13 (iv) or/and are not a Casual Student or/and are not availing extension, excepting those who are admitted to a Programme at a level at which the student already has a degree or has pursued studies in CUSB at the same level with hostel accommodation.

*Note: List of documents to be furnished along with application form (Self-attested documents should be submitted at the time of hostel allotment).

> i. For Residence Address authentication any of the following documents showing the permanent address of the applicant as mentioned in the Hostel Application Form shall be considered: (a) Aadhar Card (b) Voter ID (c) Valid Passport (d) Domicile Certificate issued by the Competent Authority (e) Any other valid document.
>
> ii. Caste Certificate or any other Certificate on the basis of which specific allotment is requested by the student.

2.2.2 Second Priority (P-2)

Outstation students who are admitted to a programme at a level at which the student already has a degree or has pursued studies in CUSB (at the same level) with hostel accommodation.

2.2.3 Third Priority (P-3)

Any hostel inmate who wishes to take hostel accommodation for more than the period any programme in normal circumstances completed (e.g.MA programme Vth Semster) excluding a Research Scholar; a casual student and then the local students (located between in that order).

2.2.4 Norms

(i)   No out of turn allotment on medical grounds shall be entertained.

(ii)   SC/ST students from lower priority category (i.e. P-2 & P-3) shall be considered after clearing allotment to higher priority category (P-1) for all the departments/programmes. However, the *Divyang* category students having the benchmark category from lower priority categories shall be considered regardless of their category.

(iii)   For allotment, each priority category (P-1, P-2, P-3) under each gender category shall further be categorized as per the flow chart shown below. For Existing old students and fresh admitted students will be proportionately distributed for allotment as per number of students applied for hostel accomodation. Further, the Programme wise allocation shall also be done on the basis of number of students applied for hostel accomodation in each Programme (e.g., MA in Political Science). Each programme shall further be categorized into various social and reserved categories (General, SC, ST, NRI etc.).

Gender (Girls/Boys)

Priority Category (P-1, P-2 and P-3)

Proportional Bifurcation between Freshers and Older Students

Programme wise Allocation of Seats

Categories (General, SC, ST, *Divyang*, NRI etc)

(iv)   For fresh students, allotment in the hostel will be made in accordance with the marks obtained in the Entrance Examination in the respective Programme of study.For students other than Freshers, however, the SGPA/Marks obtained in the semester preceding the semester in which application for hostel allotment is submitted shall be the base of merit.

2.3   PROCEDURES FOR ALLOTMENT

2.3.1   A student seeking admission into a hostel shall apply in writing at the beginning of each year in the prescribed form (**Form UHF-1**) to any authorized officer/office of the CUSB as notified along with documentary evidence of registration for a programe of study of the University and other necessary documents.

2.3.2   Fresh application shall be required for re-admission into the hostel every year at the beginning of each Academic Year.

2.3.4   Allotment of hostel shall be made by the Chief Warden or by any other authorized authority. No student shall be entitled to go to a particular hostel or room as a matter of right.

2.3.5   The students are expected to take possession of the allotted room soon after allotment of hostels after depositing the prescribed dues within the stipulated date.

2.3.6   The allotment of rooms shall be made by the concerned Chief Warden or his authorised person.

2.3.7   To assist the Chief Warden in the allotment of rooms, the Office of the hostel shall prepare and maintain a master list/card of all the rooms in a hostel. When a room/seat is allotted, the hostel office shall:

    (i)   Ensure that the concerned student has deposited the hostel dues;

    (ii)   Fill in the name in the list of the students Register of Inmates against the room allotted;

    (iii)   Obtain an acknowledgment from the student in prescribed format listing the furniture and fixtures handed over;

    (iv)   Hand over the key of the room to the student;

    (v)   Inform the Mess Warden/Mess Manager of the new hostler whose name shall beadded to the Diet Register; and

    (vi)   Prepare and maintain personal/individual file of the student in Personal/Individual Student's File **with full and updated information**.

> *Note*: When the student leaves the room or hostel, the 'No Dues Certificate'shall be given only after receiving back all above items/amount for damages, if any.

2.3.8   **Personal/Individual Student's File:**

    (i)   The Hostel Officeshall maintain individual file for each inmate and record the application and other related documents for admission into the hostel and all other papers containing events connected with the residency, e.g., levy of fines, disciplinary action, eviction, etc.

    (ii)   The files shall be kept in a steel cabinet in the safe custody of the Hostel Office who shall be solelyresponsible for their misplacement, loss, damage, etc. The Office In-charge shall also maintain a permanent record in a register showing room-wise occupancy of the inmates from year to year with dates. Separate pages in the register shall be set apart for each hostel room. Entries in the register shall be attested by the concerned Chief Warden.

    (iii)   Any change of address / telephone number of the parent / local guardian, at any point of time, has to be at once intimated to the hostel office in writing.

2.3.9   The Hostel Management shall generally provide minimum furniture and fittings for each room, viz bed, study table, chair and cupboard. At the time of allotment, students should fill up the**UHF 2,**i.e, **Room Allotment Slip** provided in the annexure and make sure that all the furniture and fixtures are in proper order. If any discrepancy is found, it should be immediately brought to the notice of the hostel management.

2.3.10   Rooms once allotted to the student for an academic year shall not be changed except in special circumstances with permission of the Chief Warden.

2.3.11   Before vacating the rooms, the students should fill up the form **UHF 3,** i. e, Room Vacating Slip in triplicate(Hostel Copy, University Copy and Inmate's Copy).The installations including the fan should be handed over intact and in proper working condition, in addition to the furniture and fixtures.

2. 4. CODE OF CONDUCT:

2.4.1   All inmates are required to maintain standards of behaviour expected fromstudents of a prestigious Central University and follow the prescribed code of conduct. They are expected to behave courteously and fairly withall both inside and outside the campus.

2.4.2   All inmates are requested to carry their valid Identity Card issued to them by the University/Hostel and show it whenever asked for.

2.4.3   All the inmates must make entries in the In-Out Register kept at the gate of the hostel as per norms decided by the hostel administration.

2.4.4   The rooms, common areas and surroundings should be kept clean and hygienic. Inmates must keep their bed covered with bedspread(bedsheet). Notices pasted on the notice board shall not be scribbled/torn.

2. 4.5   If any student wishes to be away from the hostel during the weekend, holidays or any other period of time (owing to some genuine reason), he/she, or his / her parents, or local guardian shall have to fill up **UHF 4,** i.e Leave Approval Form, and have to take prior permission from the Chief Warden/Warden. The form must be submitted to the Chief Warden/Warden in advance.

2. 4.6   Rooms are allotted to each student at his / her personal responsibility. He / she should see to the upkeep of his / her room, hostel and its environment. Students should bring to the notice of the Maintenance-Office-In-Charge/Warden all routine maintenance works (Civil, Carpentry, and Electrical or any other) and or damage / breakage if any, to be carried out in their rooms. Any such request can be submitted to the Hostel Attendant.

2. 4.7   Students should co-operate in carrying out maintenance work and vacate their rooms completely when the Hostel Management requires the rooms for this purpose. On such occasions, the management will try to provide alternate accommodation.

2.4.8   Allotment of a hostel room/seat shall not confer on the allottee (student) any right to tenancy or subletting and the University shall have every right to have the accommodation vacated/evicted in the event of breach of rules by the allottee.

2.4.9   The inmates should be back in their respective hostels by the time set by the Competent Authority. Students who are found outside their respective hostel premises after the stipulated time and involving in any violence or otherwise disturbing the peace on campus and privacy of CUSB community may be evicted from hostel forthwith apart from any other disciplinary action by the University.

2.4.10   A resident who wishes to stay out late or to remain absent overnight shall inform the Warden concerned in the prescribed form and take prior approval for same before leaving the hostel.

2.4.11   The inmates shall make payment of all hostel dues as per prescribed intervals failing which their hostel allotment is liable to be cancelled.

2. 4.12   Ragging of students admitted to the Universityistotally banned. Any violation of this by the student(s) shall be dealt with very severely and the offender shall be liable to punishment. For details, kindly go through the Anti-Ragging policy, regulations and notices

2.4.13   Ragging which is a CRIMINAL & NON-BAILABLE offence is defined in legal parlance as, "display of noisy, disorderly conduct doing any acts which causes or is likely to cause physical or psychological harm or raise apprehension or fear, shame or embarrassment to a student in any academic Institution and includes:-teasing, abusing, playing of practical jokes on or causing hurt to such student, or asking the student to do any act or perform something which such student shall not in the ordinary course be willing to do"

> **Note: Excerpts from the Directions of Hon'ble Supreme Court of India in respect of curbing ragging in Educational Institutions:**
> The Head of the institution (Vice Chancellor/Registrar/Administration etc.) needs to take immediate action on receipt of the recommendation of the Disciplinary Committee. He can also take action *suo motto* if the circumstances so demand. Freshers should be encouraged to report incidents of ragging. Those who do not do so even when being witness or victims should also be punished suitably.
> When the person committing or betting the crime of ragging are not identified collective punishment could be resorted to as a possible deterrent measure, as it would ensure community pressure on the potential ragger not to indulge in ragging.

2.4.14   Entering the hostel premises intoxicated, possessing any drug or drug related substance, littering inside the University premises alcohol / drug smoking, chewing tobacco, Betal (*Pan*) or *Gutkha* or any other drug related substance is strictly prohibited and shall invite strict disciplinary action as decided as per rules of CUSB.

2.4.15   Employing unauthorised persons for personal work such as washing clothes, etc., is not permitted. Mess staff should not be asked to enter the hostel premises on any account. Any sort of threat caused by inmates to mess workers may lead to expulsion from the hostel.

2.4.16   Inmates should not participate in any anti-national, anti-social or undesirable activity in or outside the campus. The visit of non-hostel inmate(s) is restricted to the visitor room/reception and/ or mess, with prior permission of the concerned Warden.

2.4.17   Paying hostel fees does not entitle students to infringe the rules and indulge themselves in violent activities to express their views. Violating the law & order can lead to strict disciplinary action against them as decided by the Competent Authority.

2.4.18 Theinmates must not indulge in any act of intimidation or violence and drunken or riotous behavior.

2.4.19 Use of narcotics, consumption of alcoholic beverages and gambling in the hostel are prohibited.

2.4.20 Theinmates shall not hold any political function (other than related to students' activities) within the premises of the hostel, except with the prior written permission of the competent authority.

2.4.21 The hostel administration reserves the right to take disciplinary action, including eviction from the hostel, for violation of any of the rules.

2.4.22 The Warden, the Coordinator of Hostels, Chief Proctor or any other competent authority of the University reserves the right to inspect the hostel rooms at any time.

2.4.23 Pets are not allowed within the Hostel.

2.4.24 The University reserves the right to close any or all hostels *suo motto*.

2.4.25 Students/Inmates shall not hold any meetings within the hostel premises unless with the prior written permission of the Chief Warden of the Hostel concerned and such permission should normally be obtained at least 48 hours in advance of the meeting.

2.5 GUESTS & VISITORS

2.5.1 Male visitors including male students or guests shall not be allowed in girls/women hostels. Similarly, female visitors (including girl students) shall not be allowed in the Boys' Hostels.

2.5.2 Entertaining unauthorized guests shall lead to serve punishment as per the set norms.

2.5.3 No person of the opposite gender either student or guest shall be permitted to stay overnight in any part of the hostel.

2.5.4 No day-scholar is allowed to enter the hostel without prior permission of the Chief Warden.

2.5.5 All visitors to the hostel including the parents and guardians shall have to make necessary entries in the visitor's book available at the hostel entrance with the security guard.

2.5.6 The visit of male students to the female hostel and vice-versa is strictly prohibited. Any violation in the said guidelines may lead to expulsion from the hostel.

2.5.7 No Non-resident visitor shall be permitted to stay in the visiting room of the hostel after the time notified by the competent authority of the University.

2.5.8 For a visitor to stay in a hostel room in the absence of the inmate is strictly prohibited. Violators shall be treated as trespassers and shall be liable to be dealt with in accordance with law on the subject.

2.5.9 Any inmatefound hosting / harbouring an offender/unauthorized personshall be also liable to the same punishment as per norms or as decided by the disciplinary committee/Office of the Chief Proctor

2.5.10 The hostel administration reserves the right to deny entry into the hostel to any visitor if, in its opinion, the visit including any student, is likely to disturb peace and order in the hostel.

2.7 USE OF APPLIANCES, PROPERTY & BELONGINGS:

2.7.1 The use of electrical appliances such as immersion heaters, electric stove/heaters/electric iron etc. is forbidden in any of the rooms allotted for residence. Private cooking in the hostel/student's room including in pantry is strictly forbidden. Such appliances, if found will be confiscated and a fine will also be imposed.

2.7.2 Use of audio systems which may cause inconvenience to other occupants is not allowed. The use of personal TV, VCR/VCD player/is prohibited.

2.7.3 Replacing fused bulb/tube lights of a room will be responsibility of the inmates.

2.7.4 When the students go out of their rooms, they should switch off all the electrical/electronic appliances (as allowed by the hostel management), and keep their rooms locked (at all times). Violation will attract suitable penalty and punishment as decided by authorities.

2.7.5 The University's bandwidth (internet) / amenities if provided, should strictly be utilized for educational and / or knowledge sharing purpose. The students should not download songs / movies, screen pirated / unauthorized / unlicensed movies in their computers or display on TV in the common room. Nor should they play music, indulge in chatting and/or exchange of any other non-relevant data. Any violation will be dealt with severely. Penalty for the same will be decided by authorities.

2.7.6 Residents should not hire objectionable CDs or magazines from outside.

2.7.7   Lights should be generally switched off by the midnight. Study lamps can be used for self-study henceforth.

2.7.8   The inmates must not remove any property from the dining hall, common rooms, or the visitor's rooms or any other room of the hostels.

2.7.9   The inmates must not tamper with the electrical fixtures in their rooms in the hostel premises or use any unauthorised electrical appliance/gadget. Any violation shall amount to breach of hostel rules and all unauthorized appliances/gadgets shall be confiscated and disciplinary action against the resident shall be taken.

2.7.10 Theinmates will be given furniture in their rooms according to the prescribed norms. Demand for additional furniture will not be entertained.

2.7.11 Everyinmate is responsible for the care of the hostel property he uses. Inmates found responsible for any damage or loss of the hostel property shall be charged there for, individually or collectively, as the case may be, and they will also be liable to disciplinary action. The decision of the Chief Warden/Coordinator of Hostels will be final in this regard.

2.7.12 Theinmates should take care of their personal belongings and use their own locks in the cupboardsallotted to them. Inmates will be solely responsible for the safety of their belongings.The University shall not be responsible for any loss or damage of the personal belongings of the inmates.

2.7.13 No inmate is permitted to take away his belongings from the hostel premises without a proper 'gate pass' issued by the Chief Warden.

2.7.14 Theinmate of a room shall be responsible for any damage to the property in the room during her / his occupancy of that room and will be required to get it repaired. She/he shall be required to hand over the furniture & other materials in good working condition while vacating the hostel.

2.7.15 Theinmate should not remove / change any fittings from any other room to his / her room.

2.7.16 The inmates shall be responsible for replacing non-functional bulbs/tube lights inside the room.

2.7.17 Cleaning and maintaining hygiene of a room is responsibility of the inmates residing in the room. **The *Safaiwala* will only clean the common places. Compelling the *Safaiwala* to clean inside the room shall lead to disciplinary action/fine.**

2.7.18 **Articles permitted/Prohibited in the Room**

(i)   Every inmate shall generally be provided the following articles for his use in the hostel:
  (a) Bed (one)
  (b) Study Table (one)
  (c) Study Chair (one)
  (d) Cupboard (For keeping personnel belongings)

(ii) Hostellers will not be allowed to keep motor-bike or car in the hostel. However, they may keep bicycle in the hostel.

(iii) Inmates desirous of keeping costly items other than those provided by the university, e.g., laptop and camera etc., may do so at their own risk.

(iv) Inmatesshall not permitted to keep even licensed fire arms, knives and other contraband material etc. in the hostel room under any circumstances what so-ever. The breach of this regulation will lead to the expulsion of the inmate from the hostel without any enquiry.

2.8   COLLECTIVE RESPONSIBILITIES

2.8.1   General damage to the hostel property will be the collective responsibility of all the inmates, if the students who caused the damage could not be identified.

2.8.2   Inmates should not indulge in practices/activities which may endanger their own personal safety as well as of others.

2.8.3   Any case of theft should be reported promptly to the Chief Warden/Warden.

2.8.4   Inmates should report to the Chief Warden/Warden/Office in case they notice any unwanted or undesirable activity going on in the hostel.

2.8.5   Inmates are required to park their cycles only in the space provided for them in an orderly manner. No cycles should be parked at any other place.

2.8.6   Inmates are required to be conscious of the environment which they live in by keeping it clean, healthy and presentable. Students should not throw and / or litter indiscriminately and should not use non-bio-degradable items, such as polythene bags etc.

2.8.7   The jurisdiction of CUSB is confined to the campus*only*. If students create law and order problems outside the campus, they are themselves answerable to the police/civil administrationand face action accordingly.

2.8.8   The students are advised not to go out in large groups which are difficult to control. This is so because if theyget involved in unpleasant situations, they are not the only one to be affected. In fact, they end up creating a bad impression of theUniversity and parents.

2.8.9   Students should not paste objectionable handbills or make objectionable articles or pictures in the rooms allotted to them or at any other place in hostel.

2.8.10   Students should be properly dressed while moving in and out of the hostel. Also, students residing in the hostel are not supposed to pass through the common corridors and come in mess without being properly dresses.

2.9   PROCEDURE FOR VACATION OF HOSTEL ROOMS

2.9.1   All terminal students must surrender their rooms to the concerned warden by the date as notified by the DSW after the end of every semester/year. Provided, however, the DSW may grant extension to such students in very exceptional cases.

2.9.2   Those students who discontinue their studies in the middle of a semester should submit an application for vacating the hostel in the prescribed form to the Chief Warden concerned at least four days in advance of the date of leaving the hostel. Permission for vacating the hostel will be accorded by the Chief Warden concerned after the clearance of hostel and mess dues etc., by the student concerned is submitted. Hostel security refund may be made as per procedure.

2.9.3   Before vacating the hostel, each inmate must hand over to the Attendant the complete charge of his or her room with all furniture and fixtures intact, and clear all hostel and mess dues. The inmates while vacating or on being evicted from the hostel rooms will have to pay total cost of article(s) found either missing or damaged, allotted in his/her name as may be decided by the Wardenor any other competent authority of the of the Hostel concerned or University.

2.9.4   Failure to vacate the hostel room by the due date will render the inmate liable to disciplinary action or fine or both and eviction procedure shall be initiated against the student.

2.9.5   The University reserves the right to close any or all hostels *suo motto* at any time without assigning any reason and the inmates of the hostel in that condition shall have to vacate the concerned hostels as per the University notification.

2.10   PROCEDURE FOR EVICTION:

2.10.1   An inmate may be evicted from the hostel for any breach of discipline, norms of hostel or mess rules or if not conforming to academic requirements as stipulated in the Academic Ordinances of the University or otherwise notified by the University.

2.10.2   The Eviction process will be initiated by the Chief Warden in consultation with the Coordinator of Hostels or the DSW in case the post of Coordinator of Hostels is vacant.

2.10.3   Before eviction, the inmateconcerned will be served with an Eviction Notice by the Chief Warden so that the inmate is informed of the proposed action and could take care of his/ her personal belongings kept in the room, and vacates the room on or before the date fixed for eviction.

2.10.4   If the inmate does not vacate by the date specified in the "Eviction Notice", the lock of the room/cupboard will be broken open in the presence of:

(i)   The Chief Warden or his/her representative;

(ii)   Warden;

(iii)   The Chief Proctor or his/her representative, where necessary.

For this purpose, the Chief Warden will inform the above members preferably well in advance.

2.10.5 Where the second/third room-mate is affected by eviction of the defaulting inmate, the second room-mate/third room-mate will be accommodated by the Chief Warden in other room(s) as may be possible.

2.10.6 If, on breaking open the lock, any personal belongings of the defaulting inmate are found in the room, these shall be listed over the signature of all those present at the time of eviction and kept safe for a period of one month. The hostel administration will not bear any responsibility whatsoever for any loss or damage of such personal belongings.

2.10.7 If any furniture articles/fixtures allotted to the student are found missing or damaged, the cost of article or damages to articles shall be recovered from the inmate as may be decided by the Warden or any other competent authority of the of the Hostel concerned or University.

2.11   HOSTEL FEES:

2.11.1 Hostel Fees per semester should be paid on time as per the notice of the Hostel Management/University in this regard.

2.11.2 No hostel fees will be refunded irrespective of the fact whether a student has been placed in the industry or gone on training in the beginning or during the semesters.

2.11.3 Students should clear their hostel and other dues well in time.

2.12   GRIEVANCE REDRESSAL MECHANISM:

2.12.1 Hostels in the University exist to provide conditions of congenial living to the students, within the constraints of resources and personnel. Routine matters pertaining to the provision of facilities for the day-to-day running of the hostel, therefore, should be attended to by the existing hostel authorities. Redressal of grievances through the proposed special mechanism should be viewed as the last resort.

2.12.2 The inmates in normal situation make entry in complaint register. Subsequently, if unaddressed, he/she can approach related Hostel Warden directly or through any of the officers/staff associated with hostel management, for guidance and grievance redressal. Representations to higher officers must be forwarded through proper channel; otherwise it will be taken as an act of indiscipline.

2.12.3 Any grievance from an inmate student or students in the first instance ordinarily be referred to the concerned Warden in writing, with a copy to the Chief Warden, who will, depending upon the nature of the grievance, ensure that it is processed by him/her as speedily as possible and preferably within one fortnight from the date of receipt with an intimation to the Chief Warden.

2.12.4 In case the inmate or inmates are not satisfied with action taken by the Warden the student/students, as the case may be, are free to bring the grievance in writing to the notice of the Coordinator of Hostels/DSW.

2.12.5 The complaint will be made to the Office-In-Charge for transmission it to the Coordinator of Hostels/DSW who will ensure that the grievance is looked into by him as speedily as possible depending upon its nature and preferably within a fortnight from the date the complaint was made. In case the DSW so desires the complaint may be forwarded to the Hostel Grievance Redressal Committee (HGRC).

2.12.6 There shall be a Hostel Grievance Redressal Committee (HGRC) which shall be constituted by the Vice-Chancellor for three years and shall consist of the following members:

(1) A senior Professor: Chairperson
(2) DSW or her/his representative: Member
(3) Chief Proctor or her/his representative: Member
(4) Two teachers having adequate experience in hostel management: Members

Note: The Chairperson of HGRC may invite any other person(s) as invited member, if she/he desires so.

2.12.7 The HGRC shall ensure that the grievances referred to it are processed as speedily as possible.

2.12.8 The report of the HGRC shall be sent to the DSW for further necessary action.

2.12.9 The Committee shall formulate its own procedure.

2.13   PROCEDURE FOR TAKING OUT ARTICLES FROM HOSTEL

2.13.1   No articles shall be allowed to be taken outside including personal belongings of students unless a proper gate pass prepared by the Attendant and signed by the Chief Warden is produced to the Security Guard on duty at the hostel gate.

2.13.2   The gate pass will be retained by the Security Guard for record.

2.13.3   Any lapse will be viewed seriously and disciplinary action may be taken against the defaulter.

CHAPTER 3

MESS FACILITIES: OBJECTIVES, ORGANISATION AND GUIDLINES

3.1   OBJECTIVES OF HOSTEL MESS

(i)   To ensure that students get a balanced diet at a reasonable cost;

(ii)   To foster a climate where the students with different creeds, languages and food habits sit and eat together harmoniously in a common mess.

(iii)   To cultivate amongst the students a spirit of cooperation and tolerance; and

(iv)   To develop in the students a capacity to manage the day-to-day affairs of the mess on a democratic basis.

3.2   ORGANISATION OF THE HOSTEL MESS

3.2.1   Every hostel has THE facility of mess or messes joining to which for inmates is compulsory. Hence, no student is allowed to stay in the hostel without being a regular member of the mess.

3.2.2   The mess/messes will be run by private contractor(s) as selected by the CUSB through all India tender or any other mechanism under the supervision of the HMC, a Warden designated for the purpose and the Chief Warden

3.2.3   The messes have to use LPG as fuel for cooking. Maintenance, operation, refilling and security of the LPG connection will be responsibility of the contractor running the mess.

3.2.4   The concerned Warden will be responsible for proper administration and maintenance of discipline and accounts in the hostel mess.

3.2.5   Each mess will have such strength of staff as may be justified on norms laid down by the University from time to time.

3.3   ELIGIBILITY FOR JOINING THE MESS

3.3.1   All bonafide students of the University who have been allotted seats in the University hostels will be the members of their respective hostel Mess.

3.3.2   Should there be any other hostel, either permanently or temporarily, its Chief Warden will arrange for its inmates to be allowed to join the mess of another hostel.

3.3.3   Joining of the mess is compulsory for the inmates and they will be charged for the meals for as per the norms, whether they actually take or not.

3.4   ENROLLMENT IN THE MESS

3.4.1   For enrollment in the mess the Warden shall give instruction to the Service Provider, who shall complete other formalities at his/her end.

3.5   DINNING PROCESS

3.5.2   The Service Provider shall develop appropriate mechanism to administer and execute the dinning process as per agreement.

3.5.2   The Process shall be monitored by the HMC under chairpersonship of a Warden designated to look after mess issues.

3.6   MESS ANDDINING HALL: GENERALRULES

3.6.1   Once a student joins the hostel, he/she shall be deemed to have become a permanent member of the mess and is liable to pay the mess charges as per decided norms. Students who absent themselves on the date of reopening of the University after any semester vacation will be

deemed to have joined, unless contrary to that is informed to hostel administration in writing in advance.

3.6.2 Absence from joining the mess will be permitted only by the hostel management on request for valid reasons for a maximum period of 7 days only, from the date of reopening of the University. Afterwards the student will be charged as per the mess charges. Such permission should be obtained well in advance.

3.6.3 Students should strictly adhere to the hostel and mess timings decided by the Hostel Management/University Administration from time to time.

3.6.4 The quantity of food will be as per the menu.

3.6.5 Inmates are not permitted to cook any food on their own accord in the mess/pantry/ rooms.

3.6.6 Inmates on no account, whatsoever, will be permitted to take food outside the mess. Nor can they take mess utensils such as plate, spoon, tumblers, etc. to their rooms.

3.6.7 No food will be served in the rooms of the hostel for any student unless it is recommended by the concerned Warden on the ground that the student's medical condition requires the food to be served in the room.

3.6.8 If a student is ill and requires a special diet, he/she should request the warden/attendant to arrange the same at the mess, if fissible.

3.6.9 No inmate shall waste food. Paying mess bill does not entitle a student to waste food. Wastage of food by any of the student (s) shall invite a disciplinary action as per set norms.

3.6.10 Inmates shall assist in maintaining the mess and its surrounding neat and clean. No notices shall be pasted on the walls. Notices put on the notice boards should not be removed by the diners.

3.6.11 All students shall interact with the mess staff in the dining hall in a courteous manner. Any misbehaviour will attract disciplinary action

3.6.12 Students should not bring pet animals into the hostel or encourage such practice.

3.6.13 After eating, students shall put the cup, plates or any leftovers in the designated bins.

3.6.14 Any grievance raised by the students/ HMC shall be looked into and resolved by the IHAC in consultation with the concerned Warden/HMC, as case may be.

3.6.15 The IHAC may involve the Coordinator of Hostels/ Chief Proctor/ DSW for proper resolution of the same, as and when required.

3.6.16 In case, the University, on the request of the hostel-inmates, or in any special circumstance withdraws the service of the outside caterer to run the mess in hostels, then the Mess Management may be taken over by the hostel-inmates in the following way, other things being the same:

(i) The Mess committee shall be in charge of management of the mess in a self-financed mode with payments by the hostel inmates under the guidance of the concerned Warden (as ex-officio chair of the HMC).

(ii) The University shall provide only the required cooking utensils to the Mess Committee, and for that the latter collectively shall remain accountable.

(iii) The HMC shall be in charge of managing grocery, food ingredients, cooking gas, fund management, staff payment (employed by them after getting approval from the Chief Warden), etc.

(iv) The Mess Committee shall operate the supervision of Intra-Hostel Administration Committee (IHAC).

3.6.17 All inmates should come to the dining hall properly dressed.

3.6.18 Self-service system will be followed in the mess. Students collect their share of food from the counter in the dining hall after following completing formalities as laid down by the Hostel Administration time to time

3.6.19 Impersonation i.e. eating for bonafide student is prohibited and defaulter will be dealt with as per norms.

3.6.20 Only one inmate may eat from one plate or *thali,* eating of more than one person from one plate or *thali* is prohibited.

3.6.21 The inmates are expected to behave with the Mess Manager and the mess staff with proper decorum and must not enter into any altercation with them. If they have any grievance, they

may record the matters in the suggestions book/through e-mail to the concerned Warden with a copy to the Chief Warden.

3.6.22 Smoking or taking alcoholic drinks in the dining hall is strictly prohibited.

3.6.23 Students must not ask mess employees to prepare special dishes for them.

3.6.24 Students and others not on duty must not enter the kitchen.

3.6.25 Dining hours will be as fixed and revised by theconcerned Warden in consultation with the HMC.

3.6.26 Inmates should adhere to the set timings scrupulously. No complaint will be entertained if a student fails to report within the fixed hours.

3.6.27 To use the dining hall for purposes unrelated to the mess requires prior permission of the Chief Warden at least 24 hours before the proposed event.

3.6.28 Any breach of the above rules will render the student liable to fine and/or disciplinary action including expulsion from the hostel, removal from the University etc.

3.7 GENERAL INSTRUCTIONS FOR FOOD HANDLERS/MESS WORKERS

3.7.1 The food handlers must scrub and wash their hands with soap and water immediately after visiting a lavatory and so often as necessary at other times before handling food.

3.7.2 Finger nails should be trimmed periodically and should be kept free of nail dirt.

3.7.3 They should cover their heads so that loose hairs do not get entry into food stuffs.

3.7.4 They must not cough or sneeze in the vicinity of food. They should cover their face to prevent droplets falling on food.

3.7.5 They should not smoke in food premises.

3.7.6 Licking fingers to taste food must be avoided.

3.7.7 Known cases suffering from Pulmonary tuberculosis, diarrhea, dysentery, typhoid fever, viral hepatitis and persons with wounds, discharging ears, boils and other skin infections should not handle food or utensils.

3.7.8 All mess workers shall report for medical examinations as and when required by the hostel administration.

3.7.9 The mess worker/mess manager will ensure that above instructions are followed by the mess workers.

3.8 HOSTEL MESS COMMITTEE (HMC)

3.8.1 Each hostel shall have an HMCas per Section 1.6.3

3.10 THE MESS MENU

3.10.1 The mess menu should be displayed in the dining hall and one copy given to the Mess Manager who will ensure its strict observance.

3.10.2 If due to non-supply of the required vegetables, etc. the menu decided needs a change, the Mess Manager will immediately bring it to the notice of the concerned Warden.

3.10.3 A student who has fallen sick may give a written requisition to the concerned Warden for supply of special diet subject to the convenience of the mess and availability of food stuff, the Warden may authorize the supply of a special diet to the student, as a special case.

CHAPTER 4

OTHER FACILITIES INCLUDING COMMON ROOM, RECREATION, MEDICAL FACILITIES & MISCELLANEOUS: PROVISIONS AND MANAGEMENT

4.1 COMMON ROOM AND RECREATIONAL FACILITIES

4.1.1 The Hostel will have one or more common room/s for the use of inmates. The common room shall provide facilities for TV and indoor games along with newspapers/magazines.

4.1.2 The common room will be managed by one of the Wardens designated for the purpose, who shall be assisted by the Hostel Students Committee (HSC).

4.1.3 The common room will be kept open normally as per the time notified the concerned authority from time to time.

4.1.4 The magazines or newspapers to be purchased will be decided by the HSC.

4.1.5   The inmates shall not be allowed to remove magazines or newspapers or any other property from the common room.

4.1.6   The inmates shall maintain decorum in the common room.

4.1.7   The common room in the girls' hostel shall be open only to female inmates and in the boys' hostel only to boyinmates except in such situations as inter-hall tournaments, to be notified by Chief Warden.

4.1.8   Each hostel shall be permitted to purchase magazines, for an amount within the specified limit.
.

4.1.9   Facilities for indoor games may be provided in the Hostels.

4.1.10   Any recommendation relating to sports event/item should originate from the HSC.

4.1.11   For further sports facilities and organizing sports events, the HSC may approach the University's Sports Committee via the concerned Warden and the Chief Warden.

4.1.12   Sports events at inter-Hostel level may be organized with approval of Coordinator of Hostels/DSW.

4.1.13   The HSC under the guidance of the Warden designated to look after the **Common Room and** Recreational Facilities and will:

(i)   Ensure the Common Room is open and facilities for indoor games are available to inmates during stipulated hours;

(ii)   Ensure cleanliness in Common Room;

(iii)   Ensure that all electrical fittings are in proper order;

(iv)   Make purchases and maintain proper records of various itemslike powder for Carrom Board etc. in consultation with concerned Warden;

(v)   Maintain proper records of all magazines received in Common Room and their disposalin consultation with concerned Warden;

(vi)   Organize the annual events as decided by concerned Warden/IHAC.

4.2   PROCUREMENT OF NEWSPAPERS, MAGAZINES

4.4.1   Bills for newspapers and magazines shall be paid by the hostel administration.

4.3   ANNUAL FUNCTION: NORMS

The following norms are to be strictly observed regarding celebrations of the Annual functions in the hostels:

4.3.1   Timing:

(i)   Inside the hostel, functions shall continue upto the time fixed by the hostel administration. The music system, if permitted by the University administration, would be played at a low tone. In no case inmates and neighbours would be disturbed.

(ii)   The above timing shall be observed by all the inmates, and the HSC shall take responsibility for its adherence.

4.3.2   Outside performers/professionals

(i)   No outside performers, including non-professionals ordinarily will be allowed to participate in the Function.

(ii)   A non-student shall be treated as an outsider in this context. .

(iii)   A detailed programme of the hostel annual functions will be worked out by the Organizing Committee in consultation with the concerned Warden and the Chief Warden of the hostel and permission has to be sought from the Office of the Chief Proctor as per rules.

(iv)   For any violation of the above norms, the Organizing Committee shall be held directly responsible.

4.5   MEDICAL FACILITY

4.4.1   All inmates of the hostel are entitled to avail of the medical facility as per university rules.

4.4.2   In case of serious illness, the inmate student(s) and his/her room-mates should immediately report the same to theChief Warden/ concerned Warden/Hostel Attendant. All inmates are required to take personal care of their health, and hostel authority shall not take any responsibility of such cases.

4.4.3 In case an inmate falls sick seriously, her/his parents/ local guardian shall be informed immediately by the inmate/roommate/inmate/attendant/Warden. Simultaneously, the Attendant/Warden may be informed. After primary management it is the responsibility of Parents/Local Guardian to provide such student with proper medical treatment.

4.4.4 A first-aid box shall be kept at the hostel under the control of a Warden/Doctor. The same must be recharged by appropriate items, as prescribed by university doctor. The attendant/any other staff shall review the availability of appropriate items and recharge accordingly, ideally latest on every alternate Friday. The concerned Warden/IHAC may develop proper mechanism to avoid any misuse of the items kept in the first-aid box.

4.6 INTERNET &TELEPHONE FACILITY FOR STUDENTS

4.6.1 The hostel inmates may be provided with telephone facility at the hostel gate/any other specified place for incoming calls only. In such case, the telephone bills will be paid by the Hostel. Proper records will be maintained for the purpose under the supervision of the Office-In-Charge. The Chief Warden will ensure that the facility is not misused.

4.6.2 The University may provide free internet facility to inmates. The same must be used for only academic purposes.

4.7 REPORTING OF COMPLAINTS

4.7.1 **Electrical:**
(i) Any electoral complaint should be brought to the notice of the attendant/Warden/Chief Warden for its rectification.

4.7.2 **Civil:**
(i) Attendant will report civil complaint to the Enquiry.
(ii) Attendant will keep a check on whether the items reported have been attended to or not.

4.8 FOLLOW UP OF COMPLAINTS

4.8.1 If a complaint is not attended to within a reasonable time, the Warden or the Chief Warden may bring it to the attention of the appropriate Officer/DSW.

CHAPTER 5:

INMATES' DISCIPLINE, TIMING, PENAL FINES & PUNISHMENTS
Students residing in the University hostel shall abide by the rules, regulations and code of conducts. Any breach of these regulations, lack of decorum, indiscipline, improper conduct or wilful damage of university property, tangible or intangible, or of the belongings of a fellow student shall entail disciplinary action.

5.1. GENERAL GUIDELINES: INMATES' DISCIPLINE
5.1.1 The inmates must not be involved directly or indirectly in fighting, gambling, anti-social activities, ragging, strike, picketing, gheraos, fast, arousing, hurting of the sentiments of the other students and the public. Use of outside agency for redressal of grievance, possession or consumption of alcoholic drink, intoxicating drugs, chewing tobacco will be viewed as serious offence and may lead to disciplinary action including expulsion from the hostel/university.

5.1.2 Meeting or parting inside the hostel is strictly prohibited. However, in special circumstance it may be organised only with prior written permission from the Chief Warden. However, such activities should not cause any discomfort to other inmates.

5.1.3 Other rules, if any, notified from time to time by the hostel administration should be followed by all concerned for smooth functioning of the hostel.

5.1.4 All inmates must abide by the rules and regulations of the hostel as may be framed from time to time.

5.1.5 Violation of any rule(s) will attract strict disciplinary action.

5.1.6   The University attaches utmost importance to integrity, honesty and good general conduct of the students. Any violation of the above shall lead to strict disciplinary action including expulsion from the Hostel/University.

5.1.7   Carrying of any type of weapons-blunt, sharp edged, or firearm, on the university/hostel campus or keeping such weapons in the hostel is a serious offence and is strictly prohibited and shall lead to strict action against the inmate as decided by appropriate authority/institution.

5.1.8   Students must abide by the rules and timings (as chalked out by the hostel management) of the hostel and will not stay outside the hostel during night or till late hours without the permission of the hostel warden(s).

5.1.9   Inmate once evicted from a hostel shall not be given any University hostel accommodation in future.

5.1.10 Any other case of breach of rule/s or indiscipline or misconduct not specified under 5.4 be either punished as per the authority delegated under 5.3.

5.1.11 Chief Warden shall enter the name of the student, nature of indiscipline/misconduct, date and quantum of fine/penalty imposed in the conduct book and personal file maintained by the Hostel Office.

5.1.12 Any serious complaint, relating to maintenance of law and order in the hostel, which cannot be addressed by the authorities involved in the hostel administration as per jurisdiction, norms and rules, received against any hosteller shall be referred for the consideration and decision of the Office of the Chief Proctor of the University. The Chief Proctor/ Proctorial Board/Disciplinary Committee will be fully empowered to call or ask any staff members and /or wardens concerned with the matter to submit written statement. The decision of the Chief Proctor/Proctorial Board/Disciplinary Committee will be binding upon the inmate(s).

5.1.13 Rights of University Administration

(i)   The officer(s) of hostel management and any other competent authority, including any member of Proctorial Board, shall be empowered to have hostels inspected at any time to ensure the proper compliance of all the provisions of the hostel rules and policies.

(ii)   Any breach of these rules will invite an inquiry that will be conducted as per rule. If the student is found guilty, then the hostel administration will take the disciplinary action that it deems fit. Depending on the case, the University Administration shall have the right to take direct disciplinary action, amounting to even immediate expulsion from the hostel.

(ii)   The University Administration reserves the right to change these rules as required from time to time keeping the students informed through general circulars displayed on the hostel notice boards or through other means.

(iii)

5.2   HOSTEL TIMINGS

Out timings: To be notified by the DSW from time to time.

Night attendance: To be notified by the DSW from time to time.

Study Hour: May be notified by the Chief Warden from time to time.

5.3   APPROVING AUTHORITY: EXTENT OF FINE/PUNISHMENT

1. Vice-Chancellor: No limit of imposing/waiving fine/punishment.
2. DSW: To impose/wave fine upto Rs. 5,000/-per inmate at a time.
3. Coordinator of Hostels: To impose/wave fine upto Rs. 2,000/- per inmate at a time after the approval of the DSW.
5. Chief Warden: To imposea fine upto Rs. 1,000/- per inmate at a time after approval of the Coordinator of Hostels.
6. Warden: To impose a fine upto Rs. 500/- per inmate at a time after the approval of the Chief Warden.

5.4   NATURE OF MISCONDUCT & INDISCIPLINE: PENAL FINES/PUNISHMENTS

Sl. N.	Nature of Offense	Fine/ Punishment (Per person, if not specified)		
		First Time	Second Time	Third Time & onwards

1	Harbouring unauthorised person(s) in his/her room/hostel	Eviction from the hostel	NA	NA
2	Misuse of energy	Warning	`250	`1000
3	Tampering with the electrical fixtures	Cost of damage/repair & Rs.250	Cost of damage/repair & `.500	Cost of damage/repair & `1000
4	Use of any unauthorised electrical appliance/gadget	Confiscation of appliance/ gadget	Confiscation of appliance/ gadget &warning	Confiscation of appliance/ gadget &eviction from the hostel
5	Damage or loss of the hostel property both tangible and intangible (perpetrator identified)	Cost of Repair (replacement) as per actual	Cost of Repair (replacement) as per actual & 25 percent of the cost of repair (replacement) as penalty	Cost of Repair (replacement) as per actual & 50 percent of the cost of repair (replacement) as penalty
6	Damage or loss of the hostel property (perpetrator not identified)	For each reported incident, cost of repair/replacement to be borne collectively by all the inmates	NA	NA
7	Any damage to the property in the room (perpetrator not identified)	For each reported incident cost of repair/replacement to be borne collectively by all the roommates &10 per cent of the repair/replacement cost as penalty each roommate	NA	NA
8	Moving any furniture/ or movable item from its allotted/specified place from a room to outside/or any other room	Warning	`100	`. 500
9	Taking away any hostel property from the hostel premises without a proper 'gate pass'	Cancellation of the hostel allotment & disciplinary action as per rule	NA	NA
10	Practices/activities which may endanger their own personal safety as well as of others	` 1000	`. 2000	`. 5000
11	Parking vehicle or motor bike at unspecified place	Warning	`250	`500
12	Keeping vehicle or motor bike	Warning	` 500	`1000
13	Throw and / or litter indiscriminately	Warning	` 100	` 200
14	Spitting/Disfiguring at any undesired place in the hostel, including any corridor, wall, window,	`.100	`.200	` 500

	room or veranda			
15	Creating law and order problems inside or outside the campus	Eviction from Hostel & Reporting to Office of the Chief Proctor for further necessary action	NA	NA
16	Going outside campus beyond permitted time without prior permission	Warning	` 500	Cancellation of the hostel allotment
17	Going outside hostel but within Campus beyond permitted time without permission	Warning	` 250	` 500
18	Overnight absent from the hostel without prior permission	Warning	` 500	Cancellation of the hostel allotment
19	Pasting objectionable handbills or make/paste objectionable articles or pictures in the allotted room/hostel	` 250	` 500	` 1000
20	Manhandling/Physical assault on anyone in the Hostel premises including the mess	Eviction from Hostel & Reporting to Office of the Chief Proctor for further necessary action	NA	NA
21	Possession/ consumption/instigating of alcoholic drink, intoxicating drugs, substances, etc.	Eviction from the Hostel & Action as per the law of land & intimation to the Office of the Proctor	NA	NA
22	Smoking/possessing/insti gating cigarettes/tobacco/tobacc o products etc.	` 500	` 1000	` 2000
23	Listening to music in high pitch/making noise that disturbs anyone in the hostel or around including roommates	Warning	` 500	` 1000
24	Use of loud-speaker in the hostel, without prior permission in writing	` 3000	` 5000	`10000
25	Inviting persons from outside the University to inaugurate functions etc. In the hostel without prior permission in writing.	Cancellation of hostel allotment	NA	NA
26	Not Signing In-Out Register as prescribed	Warning	` 50	` 200
27	Not attending night attendance/ roll call as per norms	Warning	` 100	` 200
28	Impersonation/ eating on	` 500	` 1000	` 2000

	the place of another inmate			
29	Taking away mess utensils out of the dining hall	Warning	`500	`1000
30	Forcing Sweeper to clean the hostel room	`100	`200	`500
31	Pressurizing mess employees to prepare special dishes	`200	`500	`1000
32	Entering the kitchen without permission	Warning	`200	`500
33	Cooking any food on their own accord in the mess/pantry/ rooms	`500	`1000	`2000
34	Not putting/keeping plates/utensils in/at designated bins/place	Warning	`200	`500
35	Removing/scribbling official notices	`200	`500	`1000
36	Breaking any rule not specified in the list	Competent authority may exercise such power as per defined limit of Acts, Statute, Ordinance, Rules, Regulations etc. on the basis of severity of the breach/misconduct/indiscipline.			
37	**A repeated offender, who is found to be involved in any act of indiscipline/ misconduct/breach of rule for more than three occasions excluding warning (s), shall be evicted from the hostel and no hostel accommodation shall be provided by the University in future.**				

Notes:

(i) If in a single act more than one identified indiscipline/ misconduct/ behaviourare committed, the student shall be liable for penalty/fine for all such indiscipline/misconducts; but for determining the act shall be counted as a single act (e.g. owing to bursting firecracker any property gets damaged, penalty/fine shall be imposed for bursting firecracker & damaging property both).

(ii) The above Table is only indicative, additional punishment and penalty may be imposed on the basis of severity and intent of the indiscipline/misconduct behaviuors.

(iii) In any situation that requires necessary action from Office of the Chief Proctor; firstly, intimation has to be made by the Chief Warden to the Office of the Chief Proctor as soon as possible, and thereafter, a proper report along with fact finding and recommendations has to be submitted.

5.5 VIOLATION OF THE LAW OF LAND

All the cases of indiscipline amounting to the violation of Law of the Land shall be reported to the Chief Proctor, who may after preliminary investigation, hand over the inmate concerned to police for further action**.**

5.6 INTERPRETATION AND SAVING CLAUSE

Any matter of discipline or any other issue not covered by this Rules and Regulations shall be dealt with by the Vice-Chancellor, whose decision shall be final.

ANNEXURES

1. UHA/Form-1: Hostel Application Form-cum-Dossier
2. UHA/Form-2: Room Allotment Slip
3. UHA/Form-3: Room Vacating Slip
4. UHA/Form-4: Leave Application Form

******

Application forms

UHA/Form-2: Room Allotment Slip

I, _____ S/D of _____ admitted
to _____ Programme for the Session _____ bearing
Enrollment No. _____ have been allotted Room No. _____ in
hostel name _____

The following items have been provided to me by the Hostel Administration:

Sl. No.	Items provided	Signature of the Student while getting the items from the Office of the Hostel	Signature of warden at while receiving the items from the student

I hereby undertake that I will be responsible for losing, damaging any of above-mentioned items
provided to me and follow all the norms of the hostel given to me orally as well as in writing.

Date: Signature of the student

UHA/Form-3: Room Vacating Slip

(To be filled up at the time of student leaving the hostel)

This is to certify that Mr./Ms. _____ of _____ Programme bearing Enrollment No. _____ and staying in Room No. _____ in hostel _____(Name of the Hostel) has submitted all the articles/equipment on (date) _____which had been issued to me at the time of joining the hostel.

Date: Signature of the student

Signature of Hostel Attendant (Caretaker):

Remarks:

Date: _____

Signature of Hostel Attendant (Caretaker):

Remarks:

Date: _____

❖ Fill this Form in three copies and handover two copies to the Office In-Charge after approval of the Chief Warden.

UHA/Form-4: Leave Application Form

To

        The Chief Warden,

        With due respect I (my ward) _____ would like to inform you that Mr./Ms. _____ (or Myself) from _____ Programme bearing Enrollment No. _____ and staying in Room No. _____ in hostel _____ (Name of the Hostel) permitted to avail leave from _____ to _____ .

Reasons:

Kindly approve me (his/her) leave for the same and grant me (his/her permission.

Yours truly,

(Signature of the Inmate)   Signature   of   Parent (s)/Guardian/Resident)

Name _____   Name _____

Mob. No. _____   Mob. No. _____

Contact No. while on leave _____

(Signature of the Hostel Attendant)   (Signature of Hostel Warden/Chief Warden)

Submit the duly filled form to the Guard deployed at the Main Gate

---

ANNEXURE

ANTI-DRUG DECLARATION FORM TO BE SIGNED BY THE STUDENT

I ....(name) son /daughter/ward of Mr./Mrs./Ms. ....(name) admitted to .... (course and year)... in....................... (institution) during the year...., hereby agree to the following terms:

1. I am aware that the possession, use, sale and distribution of alcohol/tobacco/any psychoactive substances are wrong and harmful.

2. I shall refrain from using, being under the influence of, possessing, furnishing, distributing, selling or conspiring to sell or possess, or being in the chain of sale or distribution of alcohol/tobacco/any psychoactive substances within the premises of the institute/university or during any sponsored activities by the institute/university.

3. I shall report to the authorities of the institution any irregular behaviour that I observe in relation to the possession, use, sale and distribution of alcohol/tobacco/any psychoactive substances which may have occurred at the institution or during any activities conducted by any students or institution.

4. I shall support and actively participate in any substance use prevention education programmes which may be organized by the institution/government which would enable me to be a better student and citizen of India.

5. I shall co-operate with the authorities of the institution and other relevant authorities in their investigation of any substance-related incident of which I may have information, and to prevent the possession, use, sale and distribution of any psychoactive substances in or around my institution.

Date:....................
Signature:................................

Name of the Student:
....

UNDERTAKING BY THE CANDIDATE/STUDENT

1. I, _____

S/o. D/o. of Mr./Mrs./Ms._____ , have carefully

read and fully understood the law prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard.

2. I have received a copy of the Regulations of Prevention and Prohibition of Ragging at the affiliated institution of the Tamil Nadu Dr.M.G.R.Medical University.

3. I hereby undertake that-

• I will not indulge in any behavior or act that may come under the definition of ragging,

• I will not participate in or abet or propagate ragging in any form,

• I will not hurt anyone physically or psychologically or cause any other harm.

4. I hereby agree that if found guilty of any aspect of ragging, I maybe punished as per the provisions of the University Regulations mentioned above and/or as per the law in force.

Signed this_____ day of_____ month of_____year

Signature

Address:

_____

_____

Name:

(1) Witness:

UNDERTAKING BY PARENT/GUARDIAN

1. I,

F/o. M/o. G/o _____ , have carefully

read and fully understood the law prohibiting ragging and the directions of the Hon'ble Supreme Court and the Central/State Government in this regard as well as the MCI

Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

2. I assure you that my son/ daughter/ ward will not indulge in any act of ragging.

3. I hereby agree that if he/she is found guilty of any aspect of ragging, he/she maybe

punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this _____ day of _____ month of _____ Year

Signature

Address:

_____
_____

Name:
(1) Witness:

(2) Witness: