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 2024-25

PREFACE

Since the inception of the National Education Policy (NEP)-2020, the Central University of South Bihar has been steadily working to implement it in spirit and practice. The enormous task of preparing the roadmap for implementation of NEP by the Task Force involved series of discussions. The Task Force held thoughtful sessions on various provisions of the NEP with a internal members and also invited open feedback from the faculty members on the draft document. I appreciate the commendable work of the Task Force for taking wider comments on the draft document to enrich it accordingly.

I firmly believe that the implementation of this model framework in our university will further lead to academic excellence, research promotion, and innovation. To achieve the desired outcomes, it is important to continuously monitor the progress of its phased implementation and conduct periodic reviews.

I feel privileged to acknowledge and put on record the constant support and guidance of the Hon'ble Minister, Ministry of Education, Govt. of India (GoI); Chairman, University Grants Commission; Secretary, Ministry of Education, GoI; esteemed members of the Executive Council and Academic Council of the University. Their motivation and constant guidance have really helped us in preparing this Model Framework document for our University. I am also thankful to the esteemed members of the Taskforce whose hard work has shaped the content of this document.

Prof. Kameshwar Nath Singh
Vice-Chancellor, CUSB

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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 University started its academic journey in 2009 from the premises of BIT Patna campus by launching the Master's programme in Development Studies and gradually added new master level courses in the year 2010-11, 2011-12, 2012-13 covering a range of Basic and Applied Sciences and Humanities. In the year 2013-14 the University started Integrated Undergraduate programmes in Education and Law and also launched Integrated M.Phil.-Ph.D. Programmes in a few selected Departments. At present a total of 18 Undergraduate, 28 Postgraduate and 26 Ph.D. programmes are being offered by 26 Departments established under the approved 11 Schools. From academic year 2016-17 Ph.D. programmes in all the departments were introduced in accordance with the UGC (Minimum Standard and Procedure for Award of M.Phil./Ph.D. Degree) Regulations, 2016.

With its world class faculty, high teacher-student ratio and unparalleled lab facilities in the state of Bihar, the University offers Choice Based Credit System (CBCS) with total internal evaluation of students' performance. Conducive and research-oriented environment with multidisciplinary approach, innovative pedagogies, promising infrastructural facilities and effective students' support system to nurture the students' personality holistically and to prepare them for future are its main features. A good number of our students have qualified JRF/NET, GATE and GRE, and have secured significant positions in the industry and institutes of international repute and have also won accolades in various fields.

SALIENT FEATURES OF ACADEMIC CURRICULUM

1. **Semester System**: Semester system is followed for all academic programmes to enlarge curricular space and encourage accelerated learning opportunities. This system further enhances ability to accommodate diverse choices that dynamic and motivated students may like to avail of. As per the requirements of the academic programmes, decisions regarding student-faculty contact hours during a semester, developing the credit system determining the quantum of learning, time-distribution on class room work, elements of participatory teaching-learning process, field-work, lab-work, workshop, seminar, excursion, internship and other curricular activities are undertaken by the academic bodies of the University. The University provides the opportunity for summer internship in various programmes keeping in view the important role of practice-based learning and to gain experience in their field.

2. **Choice Based Credit System (CBCS)**: CBCS has some unique features like enhanced learning opportunities, ability to match student's scholastic needs and aspirations, horizontal intra and inter School/Department mobility of students, inter-institutional transferability of students, improvement in educational quality and excellence, flexibility for working students to complete the programme over an

extended period of time, and innovation and comparability of educational programmes across the country. CBCS facilitates the students to have vertical integration of knowledge and holistic development.

3. **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.

4. **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.

5. **Faculty Members:** Currently the University has 177 faculty members comprising highly qualified eminent personalities as its senior faculty. percent faculty members are Ph.D./ D.Lit. degree holders and possess postdoctoral experiences of having worked at the established laboratories in India and abroad. Coming from 19 different states of the country, they form a truly pluralistic group of academics.

6. **Governance:** Central University of South Bihar has been following a decentralized and participative system of governance to achieve the mandate stated in the Act and Statutes of the University. Faculty members are involved in decision-making as members of various committees and academic bodies. The University has the Court as its apex body, the Executive Council, the Academic Council and the Finance Committee as Statutory Bodies.
The Board of Studies (BoS) is an important body of a department in matter of curriculum development. Each Department has a Departmental Committee. Academic proposals are initiated at the Department and School level and approved by the Academic Council. University has a Planning and Development Board for the preparation of future Plans. There is a Building & Works Committee which oversees Campus Development Project.

7. **Admission and National Character:** Having a transparent admission process and conducting the admission test on an All-India basis the University has succeeded to maintain a National Character on All India Basis.

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

9. **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.

10. **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.

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

12. **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 multi-disciplinary learning, for creation of knowledge community, by building a strong character and nurturing a value-based transparent work ethics, promoting creative and critical thinking for 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.

Objective 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 Universities

UNDERGRADUATE AND INTEGRATED UG - PG PROGRAMMES OFFERED IN THE
ACADEMIC YEAR – 2024 -25

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 B.A. LL.B. (Hons.)	General Test, English, Legal Studies	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 LL.B.	General Test, English, Legal Studies,	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	Physics, Chemistry, Agriculture/ Biology/Mathematics	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/Third gender/PWD candidate.
4	4 Year Integrated B.A. BEd	General Test, Teaching Aptitude, 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. BEd	General Test, Teaching Aptitude, 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 Test and Geography/Geology	Passed Std. XII Certificate or equivalent examination in any stream from any recognized Board/ University with at least 55% marks or equivalent grade for General category and 50% for SC/ST/OBC (Non- Creamy layer) PWD candidate.
7	5-year Integrated UG-PG in Statistics	General Test and 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 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 Test and Mathematics / Applied Mathematics	10+2 or equivalent examination with Mathematics as one of the subjects 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 Test and Psychology	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 Test and Political Science	10+2 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 Test and History	10+2 or equivalent examination from any recognized Board/University/Council with at least 50% marks for General/OBC/EWS and 45% Marks for SC/ST/PWD candidates.
13	5-year Integrated UG-PG in Sociology	General Test and Sociology	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	General Test and Physics	(1) 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) Students must have appeared in the CUET in one of the following subject combinations: - (a) Physics + Chemistry + Mathematics/Applied Mathematics (b) Physics + Chemistry + Biology/Biological Studies/Biotechnology/Biochemistry (c) Merit will be based on the CUET scores obtained from the above mentioned combinations of subjects. (4) Only those students having CGPA more than 7.5 throughout the previous semesters may undertake research project of 12 credits.
15	5-year Integrated UG-PG in English	General Test and English	A student shall be required to have the Higher Secondary School Certificate (+2) 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 Test and Economics/Business Economics	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 recognised board.
17	5 Years Integrated PG Program in Commerce	General Test and Accountancy/Book Keeping	10+2 or equivalent examination in any stream (with Accounting or Economics orMathematics) from any recognized Board/ University with at least 55% marks for General /OBC/EWS and 45% marks for SC / ST / PWD candidate.
18	5-year Integrated UG-PG in Hindi	General Test and Hindi	10+2 or equivalent examination in any stream with Hindi subject from any recognized Board/ University with at least 50% marks for General / OBC/EWS and 45% marks for SC / ST/PWD candidate.

POST GRADUATE PROGRAMMES OFFERED IN THE ACADEMIC YEAR – 2024 -25

Sl. No.	Programme (Subject)	Degree	Eligibility	Remarks
1	Pharmaceutics	M.Pharm	Bachelor's degree in Pharmacy from any recognized University approved by Pharmacy Council of India with 55% marks for General candidate and 50% in case of OBC /EWS/ SC/ST/PWD candidates. A candidate with valid GPAT Score will be given preference for admission; however, such candidate has to register for Entrance Examinations.	
2	Pharmacology	M.Pharm	Bachelor's degree in Pharmacy from any recognized University approved by Pharmacy Council of India with 55% marks for General candidates and 50% in case of OBC /EWS/ SC/ST/PWD candidates. A candidate with valid GPAT Score will be given preference for admission; however such candidate has to register for Entrance Examinations.	
3	English	M.A.	Bachelor's Degree in any discipline having English as a compulsory subject (Hons./ Pass/General) with a minimum of 50% marks for General / OBC/EWS candidates and 45% marks for SC/ST / PWD category candidates from any recognized University.	
4	Bioinformatics	M.Sc.	Bachelor's degree in Biological Sciences/ Agricultural Science/ Pharmaceutical Science/ Veterinary Science/ Medical Science/ Mathematics/ Physics/ Chemistry/ Computer Science/ Information Technology or Integrated B.Sc. B.Ed. with 55% marks for General/OBC /EWS candidates and 50% marks for SC/ST/PWD candidates from any recognized University.	
5	Environmental Science	M.Sc.	B.Sc. in any basic science subjects such as Zoology/ Botany/ Physics/ Chemistry/ Life Sciences/ Geology/ Agricultural Science/Environmental Science/ Ecology/ Biological Science/ Natural Resource Management/ Water Resource Management or Integrated B.Sc. B.Ed. with a minimum of 55 % marks for General/OBC /EWS candidates and 50% marks for SC/ST / PWD candidates from any recognized University.	

6	Chemistry	Master of Science	B.Sc. degree or its equivalent with Chemistry as one of the subjects or Integrated B.Sc. B.Ed. from a recognized University with minimum of 50% of marks or equivalent grade in aggregate or in Honours for General /OBC/EWS and 45% or equivalent grade for SC/ST / PWD candidates	
7	M.Ed.	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.	
8	Mathematics	MA/M. Sc.	Bachelor's Degree from any recognised University but should have studied Mathematics as a subject at least 3 years with a minimum of 55% marks for General / OBC /EWS candidates and 50% marks for SC/ ST / PWD candidates.	
9	Economics	M.A.	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.	
10	Psychology	M.A./M.SC	Bachelor's Degree with Psychology/ sciences/human sciences/social sciences/life sciences/ Medical Sciences/Engineering with a minimum of 50% marks from any recognised university for General/OBC/EWS candidates and 45% marks for SC/ST/PWD candidates	

11	Geography	M.A./M.Sc.	Bachelor's Degreen in Geography from any recognized university with a minimum of 55% marks for General/OBC/EWS candidates and 50% marks for SC/ST/PWD candidates	
12	Computer Science	M. Sc.	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.	
13	Artificial Intelligence	M. Sc.	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.	
14	Commerce	M.Com.	Bachelor's Degree 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.	
15	LL.M. (one year)	LL.M.	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 years (Integrated) Degree.	

16	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.	
17	History	M.A.	Bachelor's Degree in any discipline from recognized university with minimum of 50% marks for General / OBC / EWS candidates and 45% marks for SC/ ST / PWD candidates.	
18	Social Work	M.A.	Bachelor's Degree in any subject from any recognized University with a minimum of 50% marks for General / OBC /EWS candidates and 45% marks for SC/ST / PWD candidates.	
19	Sociology	M.A.	Bachelor's Degree in any subject from any recognized University with a minimum of 50% marks for General / OBC/EWS candidates and 45% marks for SC/ST / PWD candidates.	
20	Geology	M.A.	Bachelor's degree in Geology from any recognized University with a minimum of 55% marks for General / OBC/EWS candidates and 50% marks for SC/ST/PWD candidates.	
21	Hindi	M.A.	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.	
22	Biotechnology	M.Sc.	Bachelor's degree in Biotechnology or any branch of Biological Science (Microbiology/Biochemistry/ Bioscience/ EnvironmentalScience/ Biomedical etc.) or B.Sc. (Hons) in Zoology/Botany/ Chemistry or B.Sc. /Integrated B.Sc. B.Ed. of three years 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 recognised University.	

23	Life Science	M.Sc.	Bachelor's degree in any branch of Biological Sciences (Botany/ Zoology/ Microbiology/ Biochemistry/ Bioscience/ Biotechnology/ Environmental Science/ Agricultural Science/ Biomedical) or Integrated B.Sc. B.Ed. with a minimum of 55 % marks for General/OBC/EWS candidates and 50% marks for SC/ST / PWD candidates.	
24	Physics	M.Sc.	B.Sc. with Physics or Integrated B.Sc. B.Ed. with a minimum of 55 % marks for General / OBC /EWS candidates and 50% marks for SC/ST / PWD candidates from any recognized University.	
25	Statistics	M.Sc.	Bachelor's (New UGC) Hons. Degree from any recognized University with Statistics/Bachelor's Degree with Statistics/Bachelor's (New UGC) Hons. Degree in Mathematics with at least one paper in Statistics or Bachelor's (New UGC) Hons. Degreein 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/EWS and 45% marks for SC/ST / PWD candidates in the qualifying degree.	
26	Data Science and Applied Statistics	M.Sc.	Bachelor's Hons. Degree from any recognized 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	
27	Political Science and International Relations	M.A.	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.	
28	Journalism & Mass Communication	M.A.	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.	

Ph.D. PROGRAMMES OFFERED IN THE ACADEMIC YEAR – 2024 -25

Sl. No.	Name of the Programme Offered by University	Eligibility Criteria
01	Ph.D. in Bio-Informatics	Master's Degree from any recognised University in Chemical, Physical, Biological or Computer Science/IT/Agricultural Science/pharmaceutical Science / Veterinary Science / medical Science 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 equivalent relaxation of Grade for SC/ ST/OBC (Non creamy layer)/ Differently abled candidates. Candidates having Master Degree in any of the above discipline with specialisation in Bio-Informatics or having Master 's Degree in Bio-Informatics will be given preference.
02	Ph.D. in Biotechnology	Master's Degree from any recognised University in Biotechnology / Pharmaceuticals Science/Medical Science/ Agricultural Science/Chemistry/ Physics/any branch of Biological Science (Microbiology/ Biochemistry/ Molecular Biology/ Bioscience/ Environmental Science/Zoology/ Botany/ Biomedical) 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
03	Ph.D. in Life Science	Master's Degree from any recognised University in any branch of Biological Sciences (Botany/ Zoology/ Microbiology/ Biochemistry/ Biosciences/ Biotechnology/ Environmental Science/ Biomedical/ Bioinformatic/ Agricultural Science/Plant Science) 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
04	Ph.D. in Environmental Science	M.Sc. in Environmental Science/ Chemistry/ Physics/Biological Science/ Life Science/Zoology/ Botany/ Geology/Marine Biology/ Oceanography / Agricultural Science/Ecology/ Geophysics/ Atmosphere Science/Water Resource Management and other allied subjects 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
05	Ph.D. in Geology	M.Sc. Or M.Sc.(tech) in Geology, M. Tech. Applied Geology & M. Sc./M.Tech. in Remote Sensing and Geospatial Techonology, P.G. pertaining inter-& intra-disciplianry subject 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abaled candidates.

06	Ph.D. in Pharmacy	Master's Degree with at least 55% marks in the aggregate or equivalent grade point average for unreserved candidate and 50% marks in the aggregate or equivalent grade point average fro SC/ST/OBC (non-creamy layer)/differently disabled candidates in the subjects pharmaceuticals, Pharmacology, Pharmaceutical chemistry, Pharmacy Practices, Pharmaceutical Quality assurance, Pharmaceutical Technology, Pharmacology, Drug Regulatory Affair, Clinical Research, Clinical Pharmacology, Phyloechemistry..
07	Ph.D. in Physical Education	Master Degree with al least 55% marks in the aggregate or equivalent grade point average for unserved candidate and 50% marks in the aggregate or equivalent grade point average for SC/ST/OBC (non-creamy layer)/differently disabled candidates in any one ofhese allied subjects Yog, Sports, Phycology Kinesiology & Sports Biomechanics, Sports Physiology, Test Measurement & Evaluaiton, Kinanthropometry, Historical aspects of Physical Education, Sports Management, health Education.
08	Ph.D. in Mathematics	Master's Degree in Mathematics 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
09	Ph.D. in Statistics	Master's Degree in Statistics 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 equivalent relaxaiton of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
10	Ph.D. in Computer Science	Master's Degree in Computer Science /MCA/Equivalent with a minimum of 55 % in aggregate or its equivalent Grade B in UGC 7-point scale from any recognised University. 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.
11	Ph.D. in Chemistry	M.Sc. Degree or its equivalent in Chemistry/applied Chemistry or allied subjects (including biochemistry, medical chemistry, industrial chemistry, nanoscience, environmental science) from a recognized 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
12	Ph.D. in Physics	M.Sc. Degree in Physics from a recognized 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.

13	Ph.D. in Psychology	Master's Degree in Psychology 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
14	Ph.D. in Clinical Psychology	Master's Degree in Psychology and M.Phil. in Clinical Psychology from an Institute/University recognised by Rehabilitation Council of India, with 55% in each in aggregate or its 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.
15	Ph.D. in English	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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
16	Ph.D. in Hindi	M.A. in Hindi 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
17	Ph.D. in Communication & Media Studies	M.A./M.Sc. in Mass Communication or Journalism or Advertising and Public Relations with 55% in aggregate or its equivalent Grade B in UGC 7-point scale from any recognised University. 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.
18	Ph.D. in Development Studies	Master's Degree in any Social Science discipline 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
19	Ph.D. in Economics	M.A/M.Sc. in Economics/Applied Economics /Business Economics/Financial Economics/Development Economics/ Development Studies with 55% in aggregate or its equivalent Grade B in UGC 7 points scale from any recognised University. 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.
20	Ph.D. in Political Science & International Relations	Master's Degree in any discipline with 55% in aggregate or its equivalent Grade B in UGC 7-points scale from any recognised University. 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.
21	Ph.D. in History	Master's Degree in History with minimum 55% in aggregate or its 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.
22	Ph.D. in Sociology	Master's Degree in any subject with minimum marks of 55% for Unreserved candidates and 50% marks for SC/ST/OBC (non-creamy layer)/differently disabled candidates.
23	Ph.D. in Education	M.Ed./ M.A. (Education) from any recognized University 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.
24	Ph.D. in Law	LL.M 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 equivalent relaxation of Grade for SC/ST/OBC (Non creamy layer)/Differently abled candidates.
25	Ph.D. in Commerce	Master's Degree in Commerce/Management with minimum 55% in aggregate or its 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.

Schools and Departments

SCHOOL OF AGRICULTURE AND DEVELOPMENT
Department of Agriculture

Agriculture including the production, processing, promotion, and distribution of crops and livestock products plays a critical role in Indian economy. It also provides employment opportunities to a very large percentage of the population. Therefore, career in Agriculture is one of the largest industries and a good source of employment across the country.

Agricultural Science is a multidisciplinary field comprising a variety of scientific, technical and business subjects that promotes the efficient production of quality food in the agricultural-food industry and on the farm linked to the farming. In India, career in agriculture is one of the preferred choices of the science students as this field can easily lead the agriculture graduate aspirants to deal with agricultural sales, agriculture business, and food production. Opportunities for higher studies and self-employment are also available in this field. Agriculture is the backbone of Bihar's economy, 77% of workforce and generating nearly 24.84% of the State Domestic Product. The percentage of population employed in agriculture production system in Bihar is estimated to 77%, which is much higher than the national average. Therefore, more agricultural universities are required in this state to inspire students for studying this subject for the robust growth of the agriculture sector. However, the South Bihar region lacks Universities/Institutes offering Agricultural Science as regular courses at the undergraduate level.

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 programme of B.Sc. (Hons.) Agriculture with specialization in different subjects in agricultural science may actively engage in teaching, practical and field works in exploration agriculture science to the under-graduate students. This programme will carry out field investigations and collaborative work with different government/ quasi-government organizations and offering consultancy services in the interested agencies. The agriculture

programme may be highly job oriented and students may get maximum placements in the agricultural industries and government organizations.

Career opportunities

Career in Agriculture is one of the largest industries and a good source of employment across the country. Agriculture also plays a vital role in 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

Couse 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 trainingby different faculties	01	14
2	Village attachment	08	
3	Unit attachment in university/KVK/ Research Station 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-industries for 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 summaery 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 offer during 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 and Head **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. 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
	Prof. Prabhat Kr. Singh Professor **Specialization : Animal Husbandry, Agricultural Diversification, Animal Breeding, Embryo Transfer Technology, Sexed Semen Production Technology, Dairy Science, Fodder Management, Veterinary Science and Fisheries.**
	Padmashree Prof. Bharat Bhushan Tyagi Visiting Professor **Specialization : Organic farming, Natrural farming, Organic seed production, Seed preservation, Seed multiplication and apiculture, entrepreneurship training**
	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.**
	Dr. Hemant Kumar Singh Asistant Professor **As Specialization : Production Technology of Fruit and Plantation Crops, Vegetables and Spices, Ornamentals Plant, and Landscaping, Post-Harvest Management and Value Addition, Planting Materials, Horticulture Improvement, and Vegetable Breeder.**

SCHOOL OF EARTH, BIOLOGICAL AND ENVIRONMENTAL SCIENCES

It is a century of biology, and most challenges we face in modern times-are global warming, pollution, human diseases, and changes in our natural resources. A deeper understanding of biology will allow us to overcome these problems but will help to sustain the existing natural resources. The School of Earth, Biological, and Environmental Sciences, plays a leading role in achieving this goal. Our strengths lie across the research fields of genomics, biochemistry, informatics, emerging infections disease, basic and applied biology. These strengths are underpinned by faculty members who are experts in their respective fields and are disseminating their knowledge through student training at graduate, postgraduate and Ph.D. levels.

Department of Biotechnology

The Department of Biotechnology is currently offering Ph.D. and M.Sc. Biotechnology programs. These programs include well-designed theory and practical courses. Innovation-based training is the key to training students with an emphasis on understanding the basic and modern concepts in biological processes for pursuing research in frontier areas of Biological Sciences. The Postgraduate Programmes equip students with a deep theoretical and practical understanding of different aspects of biological processes and promote them to take on an integrative approach to their studies and research.

Biotechnology has emerged as one of the thrust area in science and technology and has the potential to boost the economy of India. The voice of global Biotechnology in the 21st century is to transfer bio-based technology from "Lab to Land and from Bench to Business" to bring the cost of bio-based commodities afforadable by the people. The courses in the Department of Biotechnology are mainly related to recent and emerging trends in Biology but also covers Biostatistics and Bioinformatics, and enable them to analyze their data, draw meaningful conclusions and publish in reputed journals. The Programme gives emphasis on integrated approaches to human health, biopolymers, recombinant DNA technology, transgenic development, infection and immunity, and bioinformatics. Students work directly with faculty on real-time projects, gaining hands-on skills which is necessary to solve emerging problems.

Currently, departmental research is focused on the areas of 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. Apart from the above activities, M.Sc. Biotechnology Program prepares the students for leadership in research, policy writing, and business entrepreneurship.

The Department of Biotechnology has state-of-the-art technology and equipment that provide a stimulating environment for teaching and research. The Department of Biotechnology is actively involved in research by having the distinction of running more than 10 externally funded R&D projects sanctioned by various Government agencies.

Equipment Facilities

M.Sc. in Biotechnology

The two-year (four semesters) Post-Graduate Program has an interdisciplinary approach with the participation of faculty researchers across the University with **Choice Based Credit System (CBCS).** Hands-on training with professional and management skills are keys to our teaching pedagogy. This Programme focuses on responsibility building and ethics in research and policy. We are giving emphasis on integrated approaches in human health, bio-polymers, transgenic crop development, environmental sciences, and informatics. The course also comprises a project dissertation, presentation, and comprehensive viva-voce as part of the evaluation system. Students also visit major research institutes across country and Biotechnology industries to learn various aspects of product development. One of the main goals of the Biotechnology Program is to engage students by actively involving them in cutting-edge research.

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.

Syllabus 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
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	2 0
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.

The syllabus was framed with great care so that the theory, practicals, and tutorials would meet the requirement of such a challenging and demanding field. Innovation-based training is the key to training students with emphasis on understanding the basic and modern concepts in biological processes for pursuing research in frontier areas of Biological Sciences.

Department of Biotechnology equips researchers with a deep theoretical and practical understanding of different aspects of biological processes and to take an integrative approach for their studies and research. The students are well trained in dry and wet-lab techniques enabling them to better fit in different research laboratories and industries which look for personnel well-taught in programming languages, can do molecular modeling, and have abilities to work on bench-producing raw data to analyze further using various Biotechnology tools.

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.

Syllabus 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 & Head Ph.D., BHU **Specialization**: Antibiotic Resistance Biofilm and Bacterial Pathogenesis		**Dr. Rizwanul Haque Professor** Ph.D. (JHU) **Specialization**: Immunotoxicology, Stem Cell Biology
	Dr. Rakesh Kumar Professor 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

Department of Life Science

The discipline of Life Science covers genetics, biochemistry, cell biology, computational biology, plant science, plant genetics, ecology, animal science, developmental biology vastly related to "Life in Diversity." It has a good balance of basics of animal and plant sciences along with the advanced methods in biology which broaden the student's knowledge and capabilities and they have diverse teaching in each of the semesters. The postgraduate program equips students with in-depth theoretical knowledge and strong practical understanding of different aspects of biological processes enabling them to have an integrative approach towards studies and research. The department of Life Science is equipped with state-of-the-art facilities that provide a stimulating environment for teaching and research. The department is actively involved in research by having the distinction of running funded projects sanctioned from various government agencies. Students from diverse backgrounds can opt for and are inducted in the department of Life science to pursue higher studies. Programs offered by the Life Science Department are aligned with NEP-2020.

Facilities & Resources in Life Science Programme:
The list of equipment includes various research facilities of modern biology such as Animal and Plant tissue culture, Proteomics, Hybridoma, Recombinant DNA technology. The laboratory is fortified with instruments like Automated shakers, Inverted and Upright Bright-field and Phase contrast Microscopes, Fluorescence Microscope, Incubators, Laminar Flow hoods, UV-Visible spectrophotometer, Autoclave, Refrigerated Centrifuge, -80°C Deep Fridge, Cryocan, Millipore Water Purification system, Thermal cyclers, Microtome, FPLC system and 2D electrophoresis system. The laboratory focused on various fields of basic and applied biology like agricultural crop improvement, development of immunoassays, stress physiology and molecular biology of plants, parasite biology, physiology/endocrinology etc.

Extensive infrastructure facilities have been created in the form of newly constructed computer lab, and classrooms, which is equipped with latest computers of high configuration having Intel i-7 Quad Core processors. All computers are connected with high band-width of 1 GBPS Internet Connection.

M.Sc. in Life Science

The Department of Life Science is presently offering four semester Masters' degree (M.Sc.) in Life Science based on the Choice Based Credit System (CBCS) model. The curriculum broadly includes theory, practical, skill based, vocational and IKS courses. In addition, the curriculum also provides an opportunity to conduct six months dissertation that can be done within the department or from any other University/Institute of national repute.

The aim of M.Sc. program is to create a highly skilled human resource in the field of Life Science with a sound fundamental knowledge base along with hands on laboratory skill to deal with local/ National and International needs, and provide solutions for a variety of ongoing and emerging issues using scientific interventions.

The faculty members of the Department are highly competitive and experiences in teaching and research. The faculty members opt flexible mode of content delivery such as lectures/tutorials/laboratory work/field work/outreach activities/project work/vocational training/viva/seminars/ term papers/assignments /presentations / self-study work etc., or a combination of some of these.

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

DBCC*	Course title	Total Credits
Semester – I		
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**

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

*Discipline Based Core Elective Course – DE

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

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** is currently offering PhD with diverse field of specializations including Molecular Modelling and Simulation, Computer Added Drug Designing (CADD), Big Data analytics, Functional Genomics, Biological Database and Server development. The programme trains researchers with deep theoretical as well as practical understanding of different aspects of biological systems and processes, and encourage them to take on an integrative approach for their studies and research. The students are well trained for lab techniques enabling them to better suit for different research laboratories and pharmaceutical and biotechnology industries.

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. Ajay Kr. Singh Professor *M.Tech, Ph.D. (UPTU, Lucknow)* Specialization : Cancer Informatics, Computer Aided Drug Designing		**Dr. Krishna Kr. Ojha** Associate Professor *Ph.D. (BHU)* Specialization :*Genomics, Evolutionary biology*
	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*

	Dr. Anil Kumar Assistant Professor, *PhD (IIT, Guwahati)* Specialization: Biological Database Development		

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 Semester
ENV 8 1 **OE 006** 04	The Science and Practice of Sustainable Development	4	
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
ENV 8 2 SW 018 04	Swayam online Course	Non-Credit	

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	3rd Semester
ENV **9 1 DE 023** 04	Environmental Assessment, Management and Legislation	4	
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	
ENV 9 2 **DE 034** 04	Restoration Ecology	4	
ENV 9 2 **DE 035** 04	Solid Waste Management	4	4th Semester
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 Dean, 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, Water	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 in the Central University of South Bihar started from the session 2020-2021 with the aim to nurture students interested in comprehensive learning of the subject and to promote Human Resource Development (HRD) in achieving goals of sustainable development and conservation of natural resources. The faculty members of the Department of Geology are committed to engaging in high-quality research and in the pursuit of excellence in teaching. The department follows an inter- & intra-disciplinary approach and offers broad areas of geological training, which include Paleontology and Stratigraphy, Micropaleontology, Hydrogeology, Natural Hazards, Risk Management, Remote Sensing, Petrology, Geochemistry and Oceanography. Unplanned anthropogenic activity has disturbed both the earth's natural processes and natural growth of the biosphere. The geoscientists can try to understand the situation and develop possible scenarios based on their geological knowledge. In this connection, the students of the Department of Geology, will be prompted to advance, knowledge and experience in the application of geological principles to the investigation of natural resources, the ability to interpret geologic maps correctly, to identify and explain the formation of rock suites, ore deposits, structures and rock-forming minerals, skills associated with the geological project management, supervision, and decision-making processes and ability to have good teamwork and leadership practices.

The possibilities to acquire knowledge of the geological heritage have advanced manifold in the last three decades; however, graduate and post-graduate students are not able to develop insight into the science and therefore are not receiving proper training. The individual students from various universities will be trained through an internship, PhD research and post-doctoral research.

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		
Course Code	**Course Title**	**Credits**
GEL81DC00104	Applied Geomorphology	4
GEL81DC00204	Mineralogy and Crystallography	4
GEL81DC00304	Indian Stratigraphy	4
GEL81DC00404	Igneous Petrology	4
GEL81OE00604	Oceanography	4
GEL81SW00800	SWAYAM approved Courses	4
Semester II		
GEL82DC00904	Structural Geology & Tectonics	4
GEL82DC001004	Research Methodology	4
GEL82DC01102	Geological Field Work (Mapping/Excursion)	2
GEL82DC01202	Surveying with Total Station	2
GEL82DC01304	Advance Remote Sensing and Its applications in Geology	4
GEL82DC01404	Paleontology	4
GEL82DC01504	Quaternary Geology	4
GEL82DC01604	Ore Geology and Mining Geology	4
GEL82DC01700	Sustainable Development Goals (SDGs) and role of Geology	0
GEL82DC01800	SWAYAM approved courses	0
Semester III		
GEL91DC01904	Metamorphic Petrology	4
GEL91DC02004	Sedimentology	4
GEL91DC02104	Hydrogeology	4
GEL91DC002202	Geological Field Study/Industrial Training	2
GEL91DE02302	Fuel Geology	2

GEL91DE02402	Sequence Stratigraphy	2
GEL91DE02502	Geophysics and Mineral Exploration	2
GEL91OE02604	Natural Hazard and Disaster Management	4
GEL91ME02700	Geohertages and Geoparks	0
GEL91SW02800	SWAYAM approved Course	0
Semester IV		
GEL92DC02912	Dissertation	12
GEL92DE03004	Environmental Geology and Natural Hazards	4
GEL92DE03104	Geochemistry and Isotope Geology	4
GEL92DE03204	Applied Micropalentology	4
GEL92DE03304	Watershed Development and Management	4
GEL92DE03404	Engineering Geology	4
GEL92SW03500	SWAYAM APPROVED COURSES/MENC COURCES	0

Ph.D. in Geology

The faculty members of the Department of Geology are committed to engage in high quality research and in the pursuit of excellence in teaching. The launch of Ph.D. programme in the upcoming academic session in 2020-21 will further strengthen and institutionalize the traditions of innovation and research. The department follows an inter- & intra-disciplinary approach and offers broad areas of research which includes Micropaleontology, Hydrogeology, Water Resource Management, Natural Hazard (Landslide, flood, Drought) prediction and modeling, Advance application of Geospatial Technology in Earth Resources Mapping and Monitoring, River Basin Management, Oceanography, Geochemistry, Igneous Petrology and Isotope Geology.

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 Ph. D in Geology

Course Code	Course Title	Credit
GEOL 901	Research and Publication Ethics	2
GEOL 902	Fundamental of Research Methodology	3
GEOL 903	Tools and Techniques of Research in Geological Sciences	3
GEOL 904	Preparation and presentation of Research Proposal	4
		12

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

The Department of Geography was established in the year 2022 in the School of Earth, Biological & Environmental Sciences. At present the department is running with 1 Professor and 2 Associate Professors and 4 Assistant Professors. As per the vision of the NEP-2020, the main objective of our course curriculum is to give the students a holistic understanding of the Geography, putting equal weightage to the core content and techniques used in Geography. Keeping employability in mind and in tune with the changing nature of Geography, adequate emphasis is rendered on applied aspects of the subject.

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 <u>FOUR</u> 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
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	**Languages (To be offered by the University)**	2

		Course (AEC)		

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 <u>FOUR</u> 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 <u>FOUR</u> 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 FOUR 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 shall be imparted to the students for two academic sessions consisting of four semesters. The structure of the programmes is designed with the approach of holistic and multidisciplinary education as envisaged in the NEP-2020. The M.A./M.Sc. in Geography Programme has Discipline Based Core Courses (DBCC) and Open Elective (Interdisciplinary) Course (OEIC). There will be a basket of Mandatory Elective Non- Credit (MENC) courses to ensure the courses of multidisciplinary and holistic nature. Students 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.

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 puts a lot of effort in providing best learning opportunities, conducting significant research that benefits society, and helping both local and global communities. In accordance with the principles of academic freedom, the diversity of people and viewpoints, an inclusive attitude, and a global perspective, we are committed to offering top-notch instruction and scholarly pursuits. Our research objective is to raise awareness of geography's importance and scope among educators, decision-makers, and the general public.

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** Assistant 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 honoured by Ministry of Education, Govt. of India is a Centre for quality assurance in Learning, Pedagogy and Assessment, and was established in 2013-14 by starting Four-Year Integrated programmes in the two streams, viz. B.A.B.Ed. and B.Sc.B.Ed.. Further, to cater to the demand of quality teacher educators and researchers in the field of education, the school has started Ph.D. (Education) programmes from 2016-17 and M.Ed. programme from the session 2017-18.

The courses of these programmes are updated as per the need of the hour and the latest norms. To provide quality academic exposure, the school, along with exclusive repository of print and digital books and journals, has an impressive Educational Resource Centre with a collection of educational policies documents, psychological tests and experimental equipment's, digital learning resources, teaching-aids, etc. For the holistic development of its students, a number of workshops, seminars etc. are organized in the school. In addition to these, the school is running two centres i. e. Centre for Learning and Pedagogic Studies and Centre for Assessment and Evaluation as well as National Resource Centre for Education under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Scheme (PMMMNTT), of Govt. of India. The school is regularly conducting a number of workshops and training programmes including Academic Leadership Programmes, Induction Training Programme, Online Refreshers Course, along with other numerous online programmes and activities.

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 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.	B.Ed. or Four-Year Integrated B.A.B.Ed./B.Sc.B.Ed. 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.	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 candidate.	10+2 or equivalent examination 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 साहित्य: 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- and p-BLOCK ELEMENTS	4 (3L+1P)
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	4

				Credit	
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+2 P)
HIS 301	Historiography	3	PTS 301	Plant Pathology & Applied Plant Science	6 (4L+2 P)
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	ELECTROCHEMIS TRY-I (Including redox chemistry)	2 (2L)
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	स्मकालीन 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

M.Ed.

M.Ed. is a two-year (04 Semesters) professional programme for advanced study in the field of Teacher Education which aims at preparing teacher educators and other educational professionals including educational policy analysts, planners, experts in educational assessment etc. The programme offers a comprehensive overview of 'Education' embedded in the foundational disciplines of Philosophy, Sociology and Psychology; and, detailed study of chosen specialized areas of interest. It also includes advance components of pedagogy in a subject of parent discipline of prospective teacher educator. Since M.Ed. is also a degree leading to research in education, the course has a strong research component which includes dissertation writing.

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
	Discipline Based Core Elective Course-I *(Any one of the following)* **(04 Credits)**		
4.	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	1. Teaching and Research Aptitude	4
	MED82DE01604	2. Comparative Education	4
	MED82DE01704	3. Vocational and Entrepreneurial skill Education	4
	MED82DE01804	4. Distance Education and Open learning	4
	MED82DE01904	5. Education for Sustainable Development	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	
	MED82ME02100	2. Psychological Testing	2
	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	
	MED91DE02704	2. Internship in Area of Specialization - Mathematics Education	4
	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	
	MED91DE03104	Guidance and Counselling	4
	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 MED91ME03600 MED91ME03700	1. Community Service 2. Research Tool Construction Skill 3. Data handling and Analysis Skill	2
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 MED92ME04200 MED92ME04300	1. Statistical analysis Skill through SPSS 2. Research Paper writing Skills 3. Soft-Skills	2

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
		14

Brief Profile of Faculty Members

	Ravi Kant Professor, Head 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) Specilization: Citizenship Education and constructvist approach of teaching and learning.		**Dr. Ravindra Kumar** Assistant Professor Ph.D. (Education) **Specializations**: Information and Communication Technology in Education, Educational Technology, eLearning, Pedagogy of Language Education etc.
	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)

	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		

Department of Physical Education

The Department of Physical Education under the School of Education is established in 2020 with One Year PG Diploma in Yoga to cater to the demand of quality yoga instructors and researchers in the field of Yoga.

The department is also running Ph.D. (Physical Education) programme and Master's degree in Physical Education. The academic programmes in the Department are updated as per the need of the hour and the latest norms. To provide ample practical experiences, the department is well-equipped with qualified faculties and rich infrastructure. The department aims to grow as a key site in the country for the study on Yoga and Physical Education, and to develop a cadre of promising professionals 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
PHE82DE01303/ 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 Sports 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**		

SCHOOL OF HEALTH SCIENCE

Department of Pharmacy

The Department of Pharmacy under the School of Health Sciences forms a key component of the university. The department is composed of dynamic faculty members who are actively engaged in knowledge creation and dissemination at the frontiers of the Pharmaceutical Sciences. The discipline has an encompassing effect on the Pharmaceutics and Pharmacology and therefore considered a central branch of applied science especially in the field of medical sciences. Knowledge and skills in Pharmacy play a crucial role in finding the solutions to most of the key challenges of the society (such as communicable & non-communicable diseases and developmental aspects of different pharmaceutical preparations with better patient compliance). The department believes in inter- & intra-disciplinary approach of learning and fosters a culture of excellence. Moreover the M. Pharm. (Pharmaceutics) & M. Pharm. (Pharmacology) is launched from the academic session in 2020-21. The Department as well as the Institute has state of the art facilities for analysis & screening of drugs with sophisticated instruments at Central Instrument Facilities. Department has faculties who have active expertise in the fields of research encompassing Synthetic Chemistry, Natural Products' Chemistry, Novel Drug Delivery System, Molecular Pharmacology and Formulations besides Computer Aided Drug Design. To make the Department stronger with the research component, Ph.D. programme is being started from this new academic session in 2020-21. The department envisages scaling greater heights with the launch of Ph.D. programmes and producing globally competent pharmacy professionals who can solve the health problems of the nation.

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–26Credits 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 engaged in cutting edge research at the frontiers of science. The launch of Ph.D. programme in the upcoming academic session in 2020-21 will further strengthen and institutionalize the culture of research and innovation. The department follows an inter- & intra-disciplinary approach and offers diverse areas of research which include nano-pharmaceutics, targeted drug delivery system, molecular signalling studies & therapeutic studies especially in the fields of Breast Cancer, Liver Cancer, Cancer Immunology, Alzheimer Disease, Parkinson Diseases, and Hypertension etc. To further encourage the inter- & intra-disciplinary research, the department has a key

focus to establish inter-institutional links and collaborations with renowned laboratories and universities through Ph.D. Programme. During the programme, students will acquire new skills while working on state-of-the-art instruments in the department and with the collaborating laboratories/ Universities. The ultimate goal of the programme is to produce globally competent pharmacy professionals who can critically solve the health issues of the society.

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

	Dr. Vivek Dave Associate Professor and Head **Specialization:** Pharmaceutics		**Dr. Shakti P. Pattanayak,** Associate Professor **Specialization:** Pharmacology
	Dr. Gireesh Kumar Singh, Assistant 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

SCHOOL OF HUMAN SCIENCES

The School of Human Sciences aims to study human beings as a social, cultural and biological species in the context of their experiences, activities, constructs and artefacts. The Human nature is not discipline bound and therefore the school emphasizes interdisciplinary approach to understand it. The school has a mission to pursue quality education and research for greater understanding of human nature`+ and challenges faced by humanity. Disciplines like Anthropology, Psychology, Social work and other Social Sciences interactively may engage in research leading to knowledge system that serves the development of mankind. The objective of the school is to create advance scientific knowledge in various Human Sciences through research. The Department of Psychological Science is established under the School of Human Sciences.

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 *Five-Year Integrated UG-PG Program in Psychology* which is of 10 semesters with multiple entry and exist, and the curriculum is so designed as to provide strong theoretical, methodological and contemporary knowledge of various areas of Psychology to the students. This provides an opportunity to student for multiple entry and exist. The purpose is to equip the students with knowledge, skills and values to become effective and competent professional psychologist. During the course, the students are taken for field visit at mental health centers and other allied field related organizations besides interactive classroom teaching and laboratory training. This programme also offering learning opportunities to orient the students towards scientific study of the complexities of human mind and behaviour, imparting knowledge of basic psychological concepts and methods and developing ability to appreciate the challenges in field setting. This would also be helping the students to develop professional skills that empowers the student to gain employment, as well as contribute towards the well-being of individuals and community at large and promote harmony in the society. Time to time extended lectures from experts in relevant field is also conducted. Department provides specialization in the field of Clinical Psychology, Health Psychology, Organizational Behaviour and Social Psychology. The dissertation/ project work is intended to give an essence of research work for excellence in specific areas.

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:

SN	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
I	Major	PSY51MJ00104	Introduction to Psychology	4
	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**
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

					2
	Ability Enhancement Course (AEC)				2
Total Credit					20
Exit with UG Diploma					
Summer Vacation (8 weeks)	Exit 4 credit skills enhancement courseनृ☼ :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**	4	

			Research Methods		

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-VI

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

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	

*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

					4
IX	Major				4
					4
					4
		Select either all theory courses of 4 credits each or either select Research projects of 20 credits			
		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**

M.A./M.Sc. in Psychology

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**

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

SEMESTER II

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

Post-Graduate Diploma in Psychology

[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	3rd SEM
PSY91DE01904	Neuropsychology	4	
PSY91DE02004	Self and Personality	4	
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

PSY92DE02604	Positive Psychology	4	SEM
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 Semester
	Rehabilitation Psychology	4	
	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, Head *M.Phil, Ph.D (Ranchi Institute of Neuro-psychiatry and Allied Sciences, RINPAS, Kanke, Ranchi* **Specialization**: Clinical Psychology		**Dr. Manglesh Kumar Manglam** Associate Professor M.Phil.-Ph.D. (*CIP, Ranchi)* **Specialization**: *Clinical Psychology*
	Dr. Das Ambika Bharti Associate Professor Ph.D. (*Banarus Hindu University)* **Specialization**: Clinical/Health Psychology		**Dr. Chetna Jaiswal** Assistant Professor *M. Phil. Ph.D. (University of Rajasthan, Jaipur)* **Specialization**: Organizational Behaviour and Social Psychology

SCHOOL OF LANGUAGES AND LITERATURE

Human civilization evolves through innumerable phases of language evolution. Knowledge too in its resurgent march unfailingly walks hand in hand with languages to streamline learning. Creative endeavours representing human behaviour mould languages to shape literature. As signifier of lingual heritage, literature showcases cultural diversities to promote learning through textual analysis and interpretations. The School of Languages and Literature is grounded in the above said ideas to facilitate studies in language and literature and promote communication and presentation skills. Interdisciplinary approach with cultural dimension in the pluralistic society forms the objective of the school. Presently, the School stands as an academic edifice with its Department of English and the Department of Hindi. The two Departments are open to incorporate various academic programmes in foreign and Indian languages, respectively, for study and research in the understanding and interpretation of cultures and the contextual correlations of language and literature worldwide.

Department of English

The **Department of** English which started functioning from the academic session 2012 - 13 aims to encourage the students to have inter-lingual approach for the proficient understanding of foreign languages and literatures for their skillful presentation of ideas in both oral and written modes. Language proficiency is held as a major tool for cognitive development in varied contexts. Techno-sound systems are installed in the smart classrooms to meet the contemporary requirements of the challenging language tasks. The Department focuses on the methodologies for teaching English as one of the foreign languages in both theory and practice. Extra-curricular and co-curricular activities are promoted for the enrichment of learners' sensibility. The Department offers both MA in English and PhD in English programmes, the syllabi of which are revised and updated annually. Our students have qualified NET, and secured jobs through campus selection.

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
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	Discipline Elective	American Literature	4	3/1/0
41.	ENG82MJ04104		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 (four semesters) M.A. English programme is designed to meet the requirements of language and literature studies. A broad spectrum of canonical and non-canonical texts is prescribed covering the major literary traditions spanning 16th century to 20th century and beyond. The emphasis is not on a descriptive approach based on conventional periodization of English literature but on critical approach to the literary movements across time and space. Both imaginative exploration and critical intelligence are promoted while dealing with texts of British, European, Indian, South Asian and American literatures, including their translated versions, and the New Literatures in English. Literary theories and criticism help widen the intellectual base and horizon of the students. Other than the core courses, a number of elective courses, including MOOC/ SWAYAM courses, are there in the syllabus to give a wider choice to the students in consonance with the Choice Based Credit System (CBCS).

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
		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

'दक्षिण बिहार केन्द्रीय विश्वविद्यालय' का **हिंदी विभाग'** भाषा और साहित्य के अध्ययन-अध्यापन अध्यापन के साथविद्यार्थियोंमेंउच्चस्तरीयशोध-अभिरुचि विकसित करने के लिए प्रतिबद्ध है । यह भाषाऔरसाहित्य के माध्यम सेभारतीय समाज की बहुआयामीसांस्कृतिकविविधताओंका अध्ययन करताहै। यह साहित्य औरसमाज की उत्कृष्ट परंपराओं एवंविरासतको अक्षुण्ण रखतेहुए, रचनाशीलता के विकासतथाज्ञान के नयेअनुशासनों की रचना एवंउनमेंपरस्परसंवाद की ओरउन्मुख है।इसकेसाथ, यह **विभाग** बदलतेवैश्विकपरिदृश्य मेंनयीतकनीक एवंसंचार की दिशा मेंअग्रसरहोतेहुए, भारतीय भाषाओंकोरोजगारपरकबनाने के लिए भीप्रयासरतहै।वर्तमानमेंइस विभाग में 'पी-एच.डी.हिन्दी'और 'स्नातकोत्तरहिंदी'('एम.ए.हिन्दी') - दो कार्यक्रम संचालितहोरहेहैं।

'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 भाषाविज्ञानियों की स्मृति में व्याख्यानमाला का आरम्भ, पार्श्ववर्ती क्षेत्रों में लोक-साहित्य का सर्वेक्षण, समाज के वंचित समूहों से सम्बद्ध अध्ययन केके लिए 'सावित्रीबाई फुलेअध्ययन पीठ' और 'हिंदी' व 'उर्दू' मेंदो 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 बहुत्व 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 संस्थाएँ	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	हिन्दी भाषा दक्षता.

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	अनुवादसिद्धांत और व्यवहार : हिन्दी पत्रकारिता एवं जनसंचार
MENC	--	HIN82ME01400	सृजनात्मक लेखन.

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	.स्री साहित्य .ओबीसी साहित्य और हिन्दी साहित्य में अन्य विमर्श हिन्दी दलित साहित्य.
DBCC/ DBCE	04	 HIN91DE02004 HIN91DE02104 HIN91DE02204 HIN91DE02304 HIN91DE02404 HIN91DE02504 HIN91DE02604 HIN91DE02704 HIN91DE02804 HIN91DE02904	विशेष.साहित्यकार का अध्ययन - रैदास कबीर तुलसी 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/प्रबंध लेखन- .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 अध्ययवसाय 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/के शिक्षकों का शैक्षिक विवरण (उर्दू,हिन्दी)

	प्रोफेसर सुरेश चंद्रा प्रोफ़ेसर और अध्यक्ष *Qualification :* एम. ए., एम. फिल्. एवं पी-एच. डी. (अलीगढ़ मुस्लिम विश्वविद्यालय, अलीगढ़) प्राध्यापक		डा. रवीन्द्र कुमार पाठकसह-प्राध्यापक एम ,(हिन्दी) .ए. पी .डी.एच-(हिन्दी) विशेषज्ञता के क्षेत्र : 1. भाषाशास्त्र और हिन्दी व्याकरण स्त्री और जेंडर अध्ययन
	डा.योगेश प्रताप शेखर सहायक प्राध्यापक, पी(हिन्दी) .डी.एच- विशेषज्ञता के क्षेत्र : 1. प्राचीन एवं मध्यकालीन हिंदी काव्य,		डा. कर्मानंद आर्य सहायक प्राध्यापक पी .डी.एच-(हिन्दी) विशेषज्ञता के क्षेत्र :

	2. उपन्यास, आलोचना		1. भारतीय काव्यशास्त्र, 2. अस्मितामूल क साहित्य, 3. आधुनिक साहित्य, 4. प्रयोजनमूल क हिंदी
	डा. शान्ति भूषण **सहायक** प्राध्यापक पी(हिन्दी) .डी.एच- विशेषज्ञता के क्षेत्र : 1. नवजागरण एवं आधुनिक हिन्दी गद्य साहित्य, 2. व्यंग्य 3. अनुवाद		**डा. अनुज लुगुन** (सहायक प्राध्यापक पी .डी.एच- (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)*

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SCHOOL OF LAW AND GOVERNANCE

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.

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)
SEMESTER-VIII (20 CREDITS)

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

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	
5	BBALAW8001E04	Merger & Acquisition	4
	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
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**

Brief Profile of Faculty Members

	Prof. (Dr.) S.P. Srivastava Professor and Head 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 *Specialization : His areas of interests include 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
	Mr. 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*		Ms. Chandana Suba Assistant Professor *Specialization :* Criminal Law, Administrative law

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SCHOOL OF MANAGEMENT

Department of Commerce & Business Studies

In the present age of Economic and Information Technology reforms, the world has become a small village and accordingly the policies all over the world including India have undergone metamorphosis. Now, the customer is not only king or queen but has become God for the business houses. With the changing scenario, there is a pressing need for providing professional education and training to commerce students in such a way that they are able to handle the problems with ease and comfort and thus succeed in delivering the desired results effectively and efficiently. It is through commerce education and training that a pool of competent human resources can be churned out who are able to make innovative plans, execute these plans with creativity and bring remarkable changes in their performance. It is the magic of professional skills which is capable of converting a human being into a super human being. It is through motivation that nothing appears impossible and even the toughest task is achieved tactfully.

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 two years (four semester) Master Degree Programme in Commerce with specialization in Accounting and Finance, Marketing, Human Resource Management and Banking & Insurance. The M. Com Degree Programme has been designed, updated and imparted to develop conceptual and analytical skills among students in line with the industry requirements. The course structure has a judicious mix of theoretical and practical reasoning to meet the industry requirements which gives a comprehensive insight of commerce along with an overview of other management areas. The Department has experienced faculty and has plan to invite experts from industry as well as academia from reputed institutions on need basis. The course is enriched to inculcate research culture and to get an exposure to the working of corporate environment.

A Placement Cell is also in operation to explore opportunities for student placements with various industries. The students under the supervision of the faculty members also undertake social outreach activities such as participation in social and co-curricular activities in the campus and outside the campus (in the villages adopted by CUSB). The students of the Department are also being encouraged to organise commerce fests, quiz competitions, seminars and workshops etc. The Department also facilitates ethical entrepreneurial activities such as the "HONESTY SHOP - A Shop Without a Shopkeeper" being one such accolade out of the many in the pipeline.

5 Year Integrated UG-PG in Commerce

Course Structure

	Sl. No.	CourseCode	Course Type	Course Title	Credits
Semester I (100 level)		COM51MJ00104	Major	Financial Accounting	
		COM51MJ00104	Minor	Financial Accounting	4
		COM51MD00203	Multidisciplinary	Principles and Practices of Banking & Insurance	3
		COM51AE00302	AEC	English Language	2

		CourseCode	Course Type	Course Title	Credits
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
		COM61MJ01404	Minor	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**

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

			133 **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 COM81MJ04304 COM81MJ04404	Major	Organizational Behaviour Human Resource Development Labour Legislation in India	4 4 4

		Marketing Honors COM81MJ04504	Major	Business Research	4
		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

		COM82MN08704	Minor	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 ≥ 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**	138	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 ResourceManagement**	4
		COM91MJ19604	Major	Strategic Human Resource Management	4
		COM91MJ19704	Major	**Personal and Professional SkillDevelopment**	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 andMarketing	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**

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Semester IX (500 Level)		**Banking & Insurance** **COM91MJ11504**	Major	International Banking	4
		COM91MJ11604	Major	Development Banking in India	4
		COM91MJ11704	Major	Regulatory Framework for Banking in India	4
		COM91MJ11804	Major	Risk Management in Banking	4
		COM91MJ11904	Major	Rural, Agriculture and Cooperative Banking in India	4
Total Credits for Semester IX					**20**
Semester X(500 Level)		**Banking & Insurance** **COM92MJ12004**	Major	Banking and Insurance Schemes in India	4
		COM92MJ12104	Major	Regulatory Framework for Insurance in India	4
		COM92MJ12204	Major	Health Insurance	4
		COM92MJ12304	Major	Banking and Insurance Audit	4
		COM92MJ12404	Major	Analysis of Financial Statements of Banks and Insurance Companies	4
Total Credits for Semester X					**20**

M.Com. Degree Programme

The M.Com. Degree Programme has a distinct objective to equip the students with knowledge, skills and attitude to become more suitable for the present as well as emerging job markets. The design of the syllabus is student-centred where there is flexibility for the students to have a greater choice of courses appropriate to their interests, needs and sustainability. The courses are offered with Choice Based Credit System (CBCS) thus facilitating the students to have 100 Credits spread over 4 semesters for mastering the subject for the award of Master Degree in Commerce. The students can opt for elective courses of his/her choice and based on his/her aptitude from four elective groups of courses. Another important aspect of the M. Com Degree Programme is that it gives students an opportunity to study and opt for the inter-disciplinary courses other than the Commerce domain with minimum of 08 Credits which can go up to 16 Credits in the form of Elective courses in order to leverage the competitive advantage of the M. Com. Students.

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 of the University has three types of courses, viz, Core courses, Elective courses, and Self-study/Skill-based courses.

2. The Department has crafted a teaching-learning methodology which has a strong interface with cutting-edge technology in the form of smart classes with innovative Continuous Assessment System comprising of written test, class participation, oral quiz, surprise tests etc.

3. M.Com. students will be given access to various databases like Prowess, EBSCO, Bloomberg, etc. and train them to work on statistical software like SPSS, R & E-Views for understanding market research, trends while facilitating an overall understanding of academia-industry interface.

4. Thrust will be given on sharpening of personality traits in order to make the candidate employable & industry ready. The Department shall appoint a Mentor for each student from amongst the faculty members of the Department.

5. Efforts shall be made to provide special assistance, subject to availability of resources, to economically & socially backward as well as physically challenged students in preparation of various competitive examinations like UGC-NET, JRF, Banking & Insurance and Civil services etc.

Employment Opportunities
Master of Commerce is one of the reputed post-graduate degree programmes available in India. M.Com. degree serves as a basis for further higher studies and research leading to the award of M.Phil. /Ph.D. degree. After successfully completing M. Com. Degree programme, a student can also take up teaching assignments by qualifying the UGC-NET/JRF in Commerce. This course is equally suitable for those candidates who are willing to pursue Chartered Accountancy (ICAI), Cost & Works Accountant (ICWA), Cost Management Accountant (ICMAI),

Company Secretary (ICSI) or Chartered Financial Analysts (CFA) programme. 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
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
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
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 is currently offering Ph.D. with diverse field of specialization including Finance, Accounting, Marketing, Human Resource Management, International Business and other allied specialization. The objective of this programme is to equip students with necessary skills to identify and carry out advance study and research on complex issues of commerce and business studies. This programme aims to enable the students to methodologically identify the relevant contemporary issues in business and industry and equip them to provide rigorous solution through empirical study and investigation. The research output will benefit the academician, industry practicener and policy maker. The compulsory courses of this programme help to stimulate the students to undertake comprehensive and rigorous research adding value to the existing body of knowledge.

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 **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

Mathematics, Statistics and Computer Science have played a very important role in building up modern civilization by perfecting all sciences. The vision of the school is to provide quality education and to undertake and support the interdisciplinary research through interaction between Mathematics, Statistics and Computer Science and also with other domains of knowledge. It consists of three departments namely, the Department of Mathematics, the Department of Statistics and the Department of Computer Science. Setting a novel trend in interdisciplinary studies, the three departments under the school are not only educating and training their respective students but also helping other disciplines in their regular as well as special courses by providing relevant skill to solve academic and technical issues.

Department of Mathematics

The Department of Mathematics was started with the objective of producing trained manpower for undertaking teaching and research in Mathematics and in allied branches of basic and applied sciences. The Department is committed to impart high quality education in Mathematics. The Department offers two years M.Sc. programme in Mathematics and Ph.D. programme in Mathematics in diversified areas of Mathematics and Mathematical Sciences. The department also offers number of courses as elective to the students of the other department under choice-based credit system and NEP 2020. The Department also assists Mathematics courses to of the 4 years integrated B.Sc.-B.Ed. programme. The Department provides common computer laboratory equipped with all computational facilities.

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

Introduction:

This programme offers students the flexibility to choose the subjects they want to study together and a range of possibilities to pursue their career goals. The program's overall goal is to equip students with the skills necessary to carry out research, teaching, and manage in a variety of settings and organizations. The goal of the Integrated curriculum is to give students a more concentrated and integrated approach to study the discipline of their choice within a multidisciplinary framework. The important thing about this programme of study is that the students will receive their degrees, certificates, and diplomas, as the case may be, all within one framework that is built around the outcome-based learning methodology. This programme is framed under the "Ordinance Governing Five-Year Integrated UG-PG Programme-2024" of 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.

Course Structure

S.No.	Nature of Course	Course Code	Course Title	Credits
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 Course		From other Departments/Swayam	2

5.	Skill Enhancement Course	MTH51SE00303	MATLAB /From other Departments/Swayam	3
6.	Value Added Course	MTH51VA00402	History of Mathematics in India 1 or	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			

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 or	3
			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 discipline)	MTH71MJ01704	Multivariate Calculus	4
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 (four semesters) postgraduate programme aimed to train the student in all the basic fields of Mathematics so as to develop in him/her skill for creative thinking, understanding fundamental concepts of the subject, problem solving and for achieving professional competence in Mathematics. The courses have been designed in such a way that the student will be able to learn the subject in a systematic and methodical manner under the able guidance of the faculty and general environment of the university. There are numerous avenues available to the student after the successful completion of the course. With the wide spectrum of elective courses in the 3rd and 4th semesters a student can opt for a career in research/ teaching/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):

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			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	MTH91DC01404	Development of Mathematics in India	2
16.	DBCC	MTH91DC01504	Human Values and Famous Mathematicians	2
17.	DBCE		Any offered Course From Table 1	4
18.	OEIC			4
		Total Credits		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	4
		Total Credits		20

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

Sl.No.	Course Code	Course Title	Credits

24.	MTH91DE02004	Calculus of Variations and Integral Equations	4
25.	MTH91DE02104	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 withProgramming	4
43.	MTH92DE03904	Operator Theory	4
44.	MTH92DE04004	Representation theory of FiniteGroups	4
45.	MTH92DE04104	Semigroup Theory	4
46.	MTH92DE04204	Spectral Graph Theory	4

Ph.D. in Mathematics:

Objectives of the Program:
Ph.D. programme offered by the Department of Mathematics emphasises on innovative research work in the field of Mathematics and Mathematical Sciences with the implementation of polices designed to improve the research infrastructure and new academic & industry collaborations. The Department motivates researchers to develop analysis based high-end research so that they can contribute the society through the outcomes of their research.

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
MTH 901	Research Methodology	4
MTH 902	Tools & Techniques of Research in Mathematics	4
MTH 903	Preparation and presentation of Research Proposal	4
MTH 904	Research and Publication Ethics	2
	Total Credits	**14**

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, Head Ph.D. (IITBHU, Varanasi) Specialization: Wave Propagation in Thermoelastic Media, Thermoelastic damping, Variational Principle in thermo elasticity, Thermoelastic Damping.
	Prof. J P Singh Professor 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

The Department of Statistics established in 2010, is committed to provide a vibrant and creative learning environment to students willing to make a career in the field of core and interdisciplinary statistics. The academic activities of the Department emphasize deep understanding of fundamental concepts and development of the analytical ability to solve real-life problems. It also encourages students to engage in extra-curricular and co-curricular activities, essential for development, nurturing of team spirit and developing organizational skills.

Classroom teaching of the Department is supported by the continuous evaluation system which is followed to assess the progress of the students. There is a well-equipped computer laboratory with high-speed Internet connection and the software's that include Minitab, SPSS, R, MATLAB, WEKA to work with. There are as many as 50 computer terminals to facilitate the computational requirements. After successful completion of the course, the students can move forward for a career in research / teaching / industry.

Five-Year Integrated UG-PG Programme in Statistics

Objectives:

The main objective of the Five Year Integrated UG-PG Programme in Statistics is to develop theoretical and practical skills of Statistics. After completion of the programme the students are expected to be able to formulate statistical problems and analyses them using appropriate statistical methods via the use of statistical computing software. Additionally, the programme aids in the comprehension of statistical ideas and their convergence in business, government, and academic applications.

Under the Five Year Integrated UG-PG Programme in Statistics, the course contents, in-person teaching, computer lab instructions, and evaluation system emphasis the use of statistics in a variety of fields, including Data Science, Data Mining, and Social Science, so that students have greater employment prospects and are well-prepared for competitive examinations.

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.

Further, students may opt to learn advanced experimental, exploratory, modelling, inferential, and decision making with the theoretical and applied statistics tools through some of the mandatory elective courses under the programme- Demography, Design of Experiments, Survival Analysis, Bayesian Inference, Data mining and Business Analytics, Data Mining with Python, Stochastic Processes, Nonlinear Models, Spatial Data Analysis, Categorical and Directional Data Analysis, Statistical Processes and Quality Control, Time Series and Forecasting, and operations Research.

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/ Science with Research	Counseling- Cum- interaction 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

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

	STS71MJ01804	Statistical Methods	Major	3+1+0	4
V	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).

	Code	Course	Type	L+T+P	Credit
VII	STS81MJ02704	Distribution Theory and Nonparametric Statistics	Major	3+1+0	4
	STS81MJ02804	Advanced Sampling Techniques	Major	3+1+0	4
	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
	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.				
IX	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**
		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**

M.Sc. in Statistics

The two-year (four semesters) post-graduate programme aims at imparting training students in theoretical and applied aspects of Statistics with due emphasis on the computational aspects. The students undergoing the programme are trained in fields like Demography, Statistical Quality Control, Business Analytics, Bayesian Statistics, Survey Sampling, Multivariate Analysis, Survival Analysis, Operation Research, etc. A student undergoing this programme may also opt for electives offered by the sister departments namely, Department of Mathematics, Department of Computer Science, etc. depending upon his/her interest and aptitude.

List of Courses in M.Sc. 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

Master in Data Science and Applied Statistics Programme

Data collected in this digitally well-connected world has become the essential tool for profit making, changing and emerging new roles for Corporate, government and Non-government institutions for the betterment of life and elevation in standard of living. Data Science provides a practical and unified platform to explore the data patterns for the purpose.

With the Master in Data Science and Applied Statistics programme, the Department of Statistics, Central University of South Bihar with the collaboration of National Institute of Electronics and Information Technology (NIELIT), Patna envisions producing a force of learned data scientists, building an institutional center for producing knowledgeable data scientists within the University Campus, and to cater the needs of interested students and business personnel looking for good produce of data scientists.

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-years full-time study divided into four semesters. Students admitted under the programme will be required to complete **80 credits** of course work, laboratory work, dissertation, etc. The courses under the programme have been defined as core, elective, non-credit, and open elective as per the National Education Policy (NEP)-2020. Four semester will be Industrial training and Projects which will be done by NIELIT at Patna Campus.

Discipline-Based Core course (DBCC):

The core courses are the ones deemed to be essential for enrolled students. All discipline- based core courses (DBCC) prescribed for the Master in Data Science and Applied Statistics Programme offered by the Department of Statistics are mandatory for all students registered in the programme. A core course of the programme may also be an elective/ open elective course for programmes of any other department under 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 PhD. 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)		**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.

	from Maharshi Dayanand university Rohtak and Ph.D. from B. N. Mandal Univirsity , Bihar		
	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

Department of Computer Science

The Department of Computer Science is currently offering Ph.D. (Computer Science), M.Sc. in Computer Science and Artificial Intelligence. It aims at developing 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 up according to the market need.

M.Sc. in Computer Science

The two-year (four semesters) Postgraduate Programme has been designed to focus on the theoretical concepts as well as on 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.

Eligiblity:

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		
CSC91DC01220	Project in Industry/Academia	-	20
	Total Credits		20

Elective Basket (Within Dept.)

Course Code	Course Title	Credits
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
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 availability of course expert.

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 availability of course expert.

Ph.D. 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
CSC901	Research Methodology	4
CSC902	Tools & Techniques of Research	2
CSC903	Preparation and presentation of Research Proposal	4
CSC904	Research and Publication Ethics (RPE)	2
	Total Credits	**12**

M.Sc. in Artificial Intelligence

The M.Sc. in Artificial Intelligence program is designed to develop students into adept professionals in the field of AI. The program is suitable for students who have a background in computer science and engineering, as well as for those who wish to demonstrate computer science expertise in addition to a degree in another field. This post-graduate degree provides a strong foundation in core computer science subjects such as algorithms, networking, computer architecture, graph theory, databases, and web technologies, while also allowing students to gain knowledge and expertise in important fields of artificial intelligence and machine learning. The program offers an integrated course of study covering the theory, implementation, and design of information, computing, communication, and embedded systems, with specialized courses in AI and machine learning and significant focus on research.

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		
CAI92DC03704	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

Brief Profile of Faculty Members

	Dr. Prabhat Ranjan Associate Professor B. E., M. Tech (MNNIT Allahabad), Ph. D. (MNNIT Allahabad) **Specialization:** Software Engineering, Big Data		**Dr. Nemi Chandra Rathore** Assistant Professor M.Tech (IIIT-A), PhD (Submitted to IIT-Patna) **Specialization:** Network Security and Privacy, Computer Networks
	Dr. Jainath Yadav Associate Professor M.Tech and Ph.D. from IIT Kharagpur **Specialization:** Speech signal processing		**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*		

SCHOOL OF MEDIA, ARTS & AESTHETICS

Human life is nourished by the elements of arts and aesthetics and the media is the school of Human communication. In this respect Media, Arts and Aesthetics are the integral segments of human life. The academic study of these aspects of life is significant so far as the total development of human life is concerned. To fulfil the academic needs, behavioural patterns and cultivation of futuristic ideas and pattern of life are the mission of teaching, training and research in the school of Media, Arts and Aesthetics of CUSB.

The core idea behind School of Media, Arts and Aesthetics in CUSB is to develop such master level programs, which combine various media, culture and arts forms together. India has a long history of Arts and Aesthetics; it is imperative to develop curricula which give holistic and practical input to the students. Dance, music, theatre, painting, films and media are integral part of any society and Indian culture has a long and very robust heritage. The School of Media, Arts and Aesthetics wishes to be interdisciplinary in nature which enlarger student's umbrella of knowledge and understanding. Besides this the school aims to give hand –on practical knowledge of various forms of Media, Arts, and Aesthetics with rigorous industrial training modules. At present the school provides M.A. in Journalism and Mass Communication under the Department of Mass Communication and Media. The program was established in 2011 with an objective to provide extensive media training. There is a dearth of well-educated media professionals in the academics. The specialization papers in the second year offer in-depth knowledge whereas the first-year papers provide stout foundation. The Department of Mass Communication and Media believes in moulding effective communicators in the field of print, electronic, online, films, advertising and public relations etc.

Department of Mass Communication and Media

Department of Mass Communication and Media (DMCM) have been established with an aim to promote quality media education for creative and innovative minds. It intends to produce effective communicators in varied fields of media. During the last couple of decades, the media in the country has grown by leaps and bounds and is now rated amongst the four biggest media industries of the world. Remarkable improvements have been observed in the areas of content and their presentation, production techniques, technical quality, transmission of programmes and media consumer feedback and research. The number of broadcast channels, internet/multimedia users and newspaper circulation has increased exponentially over the years, thereby, increasing the demand for well-educated and trained media professionals in the conventional as well as the non-conventional fields of media like online, print, broadcast journalism, fiction and non-fiction programmes for radio and television, media research and other allied disciplines. Covid-19 has changed the world of learning to the extent, dependency over the ICT has increased enormously, DMCM is ready to cater all the need of its stakeholders with all latest equipment and state of arts infrastructure.

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.

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	
JMC 8 1 DE 005 04	Data Journalism	4	1st Sem
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	
JMC 8 1 OE 008 04	Science Communication	4	1st Sem
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	
JMC 8 2 DE 017 04	Media Management	4	2nd Sem
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	
JMC 8 2 ME 020 00	The Art of Interviewing	Non-Credit	2nd Sem

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	
JMC 9 1 DE 025 04	Inter Cultural Communication Studies	4	3rd Sem
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	
JMC 9 1 OE 029 04	Consumer Behaviour and Market Research	4	3rd Sem
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

Department of Mass Communication and Media is currently offering Ph.D. in Communication and Media Studies. Department has introduced this course in 2017 and at present department has 20 students. Department has provided separate cubicals for all the scholars where they can do self-studies and discussion with other fellow scholars. There is also a reference section in the library, where they can find all the research work of the department.

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. Atish Prashar **Specialization:** Communication Research, Advertising, Media Management, Journalism		*Prof. K. Shiva Shankar, Professor and Head* *Specialization : Print Journalism & Public Relations*
	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.
	Dr. Kinshuk Pathak, Assistant Professor **Specialization:** Editing and Reporting Growth and Development of Indian Journalism with special reference to Hindi Journalism. Study of contribution of great Editors in Indian Journalism		

SCHOOL OF PHYSICAL & CHEMICAL SCIENCES

Department of Physics

Department of Physics, under the umbrella of School of Physical & Chemical Sciences, has been providing support to the undergraduate programs of Central University of South Bihar (CUSB) since its inception. The M.Sc. Degree Program in Physics was launched from the academic session 2018-19 with the intake of 35 students and from academic session 2019-20, the department is running the Ph.D. programme in various frontier areas of physics such as Nuclear & Particle, High Energy Physics, Astroparticle Physics, Low energy neutrino Physics, Dark Matter, Detector development and Data Acquisition System (DAQ), Experimental condense 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 & Characterization of Nano material, magnetic and hydrogen storage properties, Noncommutativity and deformed special relativity. In addition, from the upcoming session 2020-21, the department is going to start one major undergraduate programme namely B. Sc. Honours in Physics – a three years degree course as per UGC CBCS norms. From the same academic session department is going to offer two specializations in postgraduate programmes such as Material Science, and Nuclear & Particle Physics.

The Department of Physics is committed to engage in high quality research and in the pursuit of excellence in teaching. The faculty members of the department are actively involved in cutting-edge theoretical and experimental research in challenging areas as mentioned above. To promote interdisciplinary research for solving grand challenges facing our society, the department has established both intra-university as well as inter-institutional collaborations with laboratories in India and overseas. The department of physics has active national and international research collaborations.

5 Year Integrated UG-PG in Physics

Introduction:
The vision of the Integrated M.Sc. course is to provide a comprehensive and interdisciplinary education inculcating a deep understanding in the Physical Sciences. The program aspires for lifelong learning through interdisciplinary approach for overall holistic development and to archive excellence in 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:
Eligibility criteria for the M.Sc. integrated course is given below: -

I.   The student should have passed class 12 from a recognized board
II. Physics must be one of the subjects studied by the student in class 12.
III. 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.
IV. 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
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	
		C	L/T/P
	Semester-VII		
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	
		C	L/T/P
	Semester - VIII		
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.

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 broad areas of research in the department of Physics are hard/soft condensed matter physics, spectroscopy, nanoscience and nanotechnology, materials science, and Nuclear and Astroparticle Physics. In due course we will also open research areas related to computational physics, theoretical biophysics, and space physics. All the students will be required to successfully complete a course work before beginning the research towards 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, 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. Puneet Mishra 208 UGC-Assistant Professor Ph.D. (Saha Institute of Nuclear Physics, Kolkata) PDF 1. National Institute for Materials Science, Tsukuba, Japan: 2009-2014 2. IMRAM, Tohoku University, Sendai, Japan: 2014-2016 **Specialization** - Molecular Motors, Molecular Spintronics, Two-dimensional superconductivity		**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.		**Dr. Lakhwinder Singh**, Assistant Professor **Specialization:** Nuclear and Particle Physics

Department of Chemistry

The Department of Chemistry under the School of Physical and Chemical Sciences forms a key component of the university. The department is composed of dynamic faculty members and research scholars who are actively engaged in knowledge creation and dissemination at the frontiers of the Chemical Sciences. The discipline has an encompassing effect on the biological and physical sciences and therefore considered a central science. Knowledge and skills in chemistry play a crucial role in finding the solutions to most of the challenges (eg. energy, disease, and environment) faced by the mankind today. The department believes in interdisciplinary approach of learning and fosters a culture of excellence. Undergraduate students of chemistry have been nurtured and mentored well to compete at the national and international levels (eg. selection for the summer research fellowships of National Academies of Sciences, award at National Science Film Festival and more…). The postgraduate programme was launched from the last academic session in 2018-19. Going stronger with the research component, Ph.D. programme is being started from this new academic session in 2019-20. The department envisages scaling greater heights with the launch of Ph.D. programmes and producing globally competent chemists who can solve the pressing problems of 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°C to 80 °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 programme is of 5 years' duration and has been designed in accordance to National Education Policy (NEP 2020), which visualizes our education system to be inquiry-driven, discovery-oriented, learner-centered, discussion-based. It follows the choice-based credit system (CBCS) and has the provision of multiple-entry and multiple exits with BSc/B.Sc. (Hons.)/B.Sc. (Hons. with Research)/MSc degree. The programme has been developed for the young minds who have an interest in chemistry and a desire to explore the frontiers of science.

This is a unique programme that combines core chemistry (Organic, Inorganic and Physical) with Nano Chemistry, Medicinal Chemistry, Agro-Chemistry and Green Chemistry. Along with thorough grounding in chemistry, it equips the students with the knowledge and skills in the emerging interdisciplinary area of green science and technologies which has now become a crucial requirement for the sustainable development globally. Computational Chemistry and Medicinal Chemistry have also been incorporated to equip the students better. In addition, courses based on rich scientific heritage of ancient and medieval India have also been incorporated into the curriculum, which will inspire the young minds and enable them to judiciously blend the ancient wisdom with the modern thoughts to solve a wide range of issues.

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 is ample opportunities and employability for chemists having sound knowledge, analytical skills and hands-on training on sophisticated instruments. The chemical industry is India's one of the largest manufacturing sectors and plays an integral role in the country's economic development. The Indian chemical sector currently accounts for 13-14% of total exports. In terms of volume of production, it is the twelfth-largest in the world and the third-largest in Asia. Currently, the per capita consumption of products of the Indian chemical industry is one-tenth of the world average, which reflects the huge potential for further growth. The "Make in India" and "Atmnirbhar Bharat" scheme has further given a fresh impetus to this sector. For sustainable, environment-friendly growth, the sector is looking for new technologies that incorporate green chemistry and nanotechnology, and there lies the exciting and excellent career opportunities for young chemists. Besides the chemical industry, the training imparted in the interdisciplinary area of renewable energy, molecular theranostics,

green science and nanotechnology will also enable the students to diversify and join other sectors such as energy, photovoltaics, photonics, biosensing, and healthcare etc.

The curriculum has been designed to keep abreast with changing times. In the long run, the programme is likely to produce globally competent chemists with bright innovative ideas. By understanding the nuances of chemistry, these young scientists would be creating new tools, products and technologies to address some of the world's biggest challenges such as (just to name a few) clean affordable energy, biomedical devices and drugs for treating diseases, bio-sensing and environmental remediation etc.

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**
Semester II				
Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
Major* (*minor for other disciplines)	CHE52MJ00504	Organic Chemistry-I	4 (3+1+0)	4
Minor		From other dept.	4	4
Multidisciplinary course	CHE52MD00603	Industrial Chemistry	3 (3+0+0)	3

Ability Enhancement Course		2+2 Language Proficiency courses (English, Hindi, others)	**2**	2
Skill Enhancement course	**CHE52SE00703**	Organic Chemistry Lab-I	**3** (0+0+3)	**6**
Value Added course	**CHE52VA00802**	Chemistry of Ayurveda	**2** (2+1+0)	**2**
Value added Course		From Other Dept.	2	2
		Total	**20**	**23**

Undergraduate Diploma in Chemistry				
Semester III				
Nature of course	**Course Code**	**Course title**	**Credit of course (L+T+P)**	**Class hours/ week**
Major* (*minor for other disciplines)	**CHE61MJ00904**	Inorganic Chem.-II	**4** (3+1+0)	**4**
Major* (*minor for other disciplines)	**CHE61MJ01004**	Physical Chem.-II	4 (3+1+0)	**4**
Minor		From other dept.	4	4
Multidisciplinary course	**CHE61MD01103**	Green Energy Systems	**3** (3+0+0)	**3**
Ability Enhancement Course		Language Proficiency courses (English, Hindi, others)	2	2
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**	**Class hours/wee**

	213		(L+T+P)	k
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 Chemistry-IV	**2** (2+0+0)	**2**
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	**4** (0+0+4)	**8**

Nature of course	Course Code	Course title	Credit of course (L+T+P)	Class hours/ week
	2 5	Chemistry Lab		
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#:2 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 in Inorganic Chemistry)	**05004**	Inorganic Materials and Their Applications	4 (3+1+0)	4
	05104	Inorganic Reaction Mechanism, Organometallics and Advanced Bioinorganic Chemistry	4 (3+1+0)	4
Core Electives		Modern Organic	4	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 for the students who have an interest in chemistry and a desire to explore the frontiers of science. This is a unique programme that combines core chemistry (Organic, Inorganic and Physical) with Nano Chemistry and Green Chemistry. Along with thorough grounding in chemistry, it equips the students with the knowledge and skills in the emerging interdisciplinary area of green nanotechnology which has now become a crucial requirement for the sustainable development globally. Computational Chemistry and Medicinal Chemistry have also been incorporated to equip the students better. The programme follows choice-based credit system (**CBCS**) where students have the liberty to choose courses from the elective baskets of our department or other departments. The students also have the freedom to choose a few online courses through **SWAYAM**(Study Webs of Active –Learning for Young Aspiring Minds) portal which further enhances learning. The programme envisages creating good bench strength of future scientists who can solve a wide range of issues and contribute to the scientific advancement of the nation. There is ample opportunity and employability of chemists having sound knowledge, analytical skills and hand-on training on the sophisticated instruments. The chemical industry is India's one of the largest manufacturing sectors and plays an integral role in the country's economic development. The Indian chemical sector currently accounts for 13-14% of total exports. In terms of volume of production, it is the twelfth-largest in the world and the third-largest in Asia. Currently, the per capita consumption of products of the Indian chemical industry is one tenth of the world average, which reflects the huge potential for further growth. The "Make in India" scheme has further given a fresh impetus to this sector. For a sustainable, environment friendly growth, the sector is looking for new technologies that incorporate green chemistry and nanotechnology and there lies the exciting and excellent career opportunities for young chemists. Besides chemical industry, the training imparted in the interdisciplinary area of green nanotechnology will also enable the students to diversify and join other sectors such as energy, photovoltaics, photonics, biosensing and healthcare etc. The curriculum has been designed to keep abreast with changing times. In the long run, the programme is likely to produce globally competent chemists with bright innovative ideas. By understanding the nuances of chemistry, these young scientists would be creating new tools, products and technologies to address some of the world's biggest challenges such as (just to name a few) clean affordable energy, biomedical devices and drugs for treating diseases, biosensing and environmental remediation etc.

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 220	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 Bioinorganic Chemistry	4	100	3	1	0
CHE91DC02404	Chemistry of Biomolecules	4	100	3	1	0
CHE91DC03504	Advanced Photochemistry	4	100	3	1	0
CHE91OE---04 / CHE81SW---04	**Open Elective**	4	100	4	0	0

	(Inter-School or Inter-Department or SWAYAM elective)					
CHE91ME00300	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/	Total	Credits		
	Semester IV	**Practical (Hrs/Week)**	**Marks**	**L**	**T**	**P**
CHE92DC03604	Surface Phenomena, Colloids and Statistical Thermodynamics	4	100	3	1	0
CHE92DC05108	Scientific literature Survey and Dissertation Work*	16	200	2	0	6

or

CHE92DC06104	Scientific literature Survey and Scientific Activities	4+4	100	2	0	2
CHE92DC07004	Chemical Education	4	100	3	1	0
DBCC /DBCE	Organic/ Inorganic/Physical Specialization Paper*(any one)					
CHE92DC01504	Chemistry of Materials	4	100	3	1	0
CHE92DC02504	Advanced Medicinal Chemistry	4	100	3	1	0
CHE92DC03704	Advanced Quantum Mechanics and Surface Chemistry	4	100	3	1	0
DBCC/ DBCE	Organic/ Inorganic/Physical Specialization Paper*(any one)					
CHE92DC01604	Applications of spectroscopy techniques to inorganic systems	4	100	3	1	0
CHE92DC02604	Spectroscopy and Chiroptical properties	4	100	3	1	0
CHE92DC03804	Lasers in Chemistry	4	100	3	1	0
CHE92ME00400	Need To choose from the Given basket*	2	50	0	0	0

Minimum Credits required for Semester IV	222	20

*Note:

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 Nucleic Acid and Peptides	Prof. Lal Mohan Kundu IIT Guwahati	12 Weeks

6.	SW02204	224 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 225

The faculty members and students of the department are engaged in cutting edge research at on the frontiers of science. The launch of Ph.D. programme in the upcoming academic session in **2019**-20 will further strengthen and institutionalize the culture of research and innovation. The department follows an interdisciplinary approach and offers diverse areas of research which include nano-chemistry, materials chemistry, organic synthesis, medicinal chemistry, photochemistry, catalysis etc. To further encourage the interdisciplinary research, the department has established inter-institutional links and collaborations with renowned laboratories and universities. During the programme, students will acquire new skills while working on state-of-the-art instruments in the department. The ultimate aim of the programme is to produce globally competent chemists who can critically think and analyse a problem, and develop innovative scientific solutions. Equipped with sound knowledge and lab skills, the doctoral students would be able to address some of the biggest scientific challenges facing mankind today such as energy crisis, lighting & displays, sanitation, diagnostics & therapeutics and many more. The successful completion of the Ph.D. programme will ensure enhanced employability and the students are likely to get positions of eminence in leading research and academic institutions in India as well as abroad.

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[227]

We live in an age of global social, technological and economic transformations. In the School of Social Sciences and Policy (SSSP), we seek to understand these changes and to shape transformations through our education and research. We make our distinctive contributions by giving our students the skills, and confidence to embrace and shape change, and through our connected and engaged research, backed by clear strategies to have impacts in the economy and society. The broad objectives of the school are nurtured through her various departments. The school has currently five Departments viz., Department of Development Studies, Department of Economic Studies and Policy, Department of Sociological Studies, Department of Political Studies and Department of Historical Studies and Archaeology. These departments offer both Post-Graduate and Ph.D. Programmes. All the departments under the SSSP endeavour to blend its teaching engagement with empirical research. Academic programmes based on the emerging debates both in the theoretical and empirical planes in respective disciplines also see its engagement in continuous search for building up a new knowledgebase relevant to the developing world particularly. For teaching, research and training, the SSSP looks forward to learn from the development experiences of the world at large. In the process, it does not exclude the local economy, society and polity. Its agenda and implementation of the same by way of organising seminar, workshop and development dialogue are entrenched in the essence of the school. As Social scientists are employed by governmental, industry and non-profit organizations on a large scale, strong skill and knowledge in social sciences are vital for the new generations. We believe that our education and research through the various departments can influence change by focusing on real world problems.

Department of Economic Studies and Policy   228

The Department of Economic Studies and Policy looks at academic engagement with a difference. While the major focus of the Department is on teaching of basic principles of economics, its search is for new epistemology, both in theory and practice. It keeps on improving its course curriculum on a regular basis based on the evolving theoretical paradigms in the field of economics by different schools of thought that have ontological bearings. The diverse knowledge base in economics and its ramifications on the society continues to be a primordial source of choice for direction of research. The Department nurtures creative impulses of both faculty and students and continuously provides forums for developing critiques of existing theories and practices only to create a new space for the latter. In this process, it contextualizes emerging theoretical postulations at all levels including local, sub-regional, national, and international. The Department aspires and attracts students and teachers from all over the country and abroad to develop it as a unique place of learning and develop collaboration with other institutions for teaching and research.

5 Year Integrated UG-PG in Economics

About the Programme:

The vision of the Integrated Master's (UG-PG) programme in Economics is to provide a comprehensive and interdisciplinary education inculcating a deep understanding in Economics. The Integrated programme provides students a concentrated and integrated approach to studying Economics within a multidisciplinary framework to archive excellence in field and achieve holistic development. This integrated programme offers a framework of flexible options, and multi-level entry and exit.

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 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 230 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	CourseTitle	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	3
		ECO51SW00403	SEC	Skill Enhancement Courses available in *SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	

	6	ECO51VA00502	VAC	Early and Modern Economic Thought in India	
			VAC	*Commonvalueaddedcourseapproved/ Offeredbythe 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	*Languagepaperapproved/offeredby University/Language paper approved/ offered by University/ Department of English and Foreign Languages.*	2
	5	ECO52SE01003	SEC	Databases on Indian Economy	
		ECO52SW01103	SEC	Skill Enhancement Courses available in *SWAYAM/NPTEL/MOOCs approved by the Department*	3

	6	ECO52VA01202	VAC	Understanding the Union and State Budget	
			VAC	*Commonvalueaddedcourseapproved/ Offeredbythe 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	CourseTitle	Credit
Semester III	1	ECO61MJ01604	Major	Intermediate Microeconomics	4
	2	ECO61MJ01704	Major	MathematicalMethodsforEconomics	4
	3		Minor	From other disciplines(History/Political Science & International Relations/Sociology/Commerce & Business Studies/Statistics/Mathematics/Computer Science)	4
	4		Multidisciplinary	*Offeredbyotherdepartments*	3
		ECO61SW01803	Multidisciplinary	*SWAYAM/NPTEL/MOOCs approved by the Departmental Council*	
	5		AEC	*Languagepaperapproved/offeredby 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	CourseTitle	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	CourseTitle	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 $\geq$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.

M.A. in Economics

The two year (four semesters) post-graduate programme is designed to train the students on the ever-expanding knowledge base in economics – both theoretical and applied. The students are not only exposed to alternative theoretical paradigms in economics but also trained to improve their analytical and quantitative skills for evaluating the policies emanating from the theories. The students undergoing such trainings would be equipped to undertake studies at a higher (doctoral) level and join academic profession or to adopt professional career in the corporate/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 Econmtrics	
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**

Brief Profile of Faculty Members

	Prof. Rathi Kanta Kumbhar Professor MA (Sambalpur University), M.Phil and PhD (CDS-JNU). **Specialization:** Development Economics, International Economics and Agricultural Economics		**Prof. Krishnan Chalil** Professor, Head *Specialization: Banking , Development Studies, e-Governance, Higher Education, Gender &Tribal Studies.*
	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. Sanjay Kumar Assistant Professor M.A (Patna University) Ph.D. (Magadh University, Bodh Gaya) **Specialization**: Indian Economy, Development Economics, Economics of Education, Agricultural Economics, and Macroeconomics		**Dr. Rajni Kant Ojha** Assistant Professor M.A. and Ph.D. (Banaras Hindu University, Varanasi) **Specialization**: Mathematical Economics, International Economics, and Microeconomics

Department of Political Studies

The **Department of** Political Studies (DPS) is one of the Departments in the School of Social Sciences and Policy which embodies cohesiveness of multiple disciplines that seek their relevance in understanding and analysing human behaviour in an integrated framework. The department continuously endeavours to blend its teaching engagement with empirical research. DPS strives to cover all aspects of the discipline in the context of Traditional, Modern and Post-Modern approaches. It emphatically identifies the new problem areas of the polity and politics and tries to offer solutions through teaching, research and creation of new knowledge. The Department endeavors to put political studies into practice through deconstruction of impending social, political and economic issues as part of its Post-Graduate programme. In its inter-disciplinary approach, the Department provides an opportunity to combine both theory and practice. The Department ensures to equip the students with the philosophical and theoretical perspectives along Indian and Western traditions as well as its practical applications. It continues to nurture motivation in students for the advancement of political analysis at all levels: regional, national and international. Alongside the Post-Graduate programme, the Department also caters to the need of Undergraduate integrated programmes of the University, e.g. Five-year Integrated BA.LLB. programme and Four-year Integrated BA.B.Ed. programme. Overall, the Department has taken initiatives to provide good, ethical, knowledgeable, and employable citizens to the 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 in tended to impart the higher education in the discipline of political Science and International Relations in the light of the mandate of the National Education Policy, 2020.

Programme Objectives:

The objective of the integrated UG-PG programme in Political Science and IR is to give holistic knowledge to the students in the discipline, with practical skills in order to enable the students to face the challenges of the real world. The students would develop the ability to read and understand texts, develop the capability independent and critical thinking, and analytical ability. The course shall also help the students to develop skills of academic writing and communications. The aim of the programme is to cover the broad areas of political theory, political thought, international relations, public administration, public policy and other relevant areas, in addition, which are essential for an overall theoretical and practical knowledge in the field of politics and international relations. Along with the academic and practical skills, the students shall be able to learn and compare moral, ethical and cultural values and develop an understanding of right and good.

Course Structure

	Sl. No.	Course Type	Course Code	Course Title	Credit
Year 1 / Semester I					
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				
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 Course (SEC)	PSC52SE00703	Political Communication Skills	3
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 Enhancement Course (AEC)	--	*From the Department of English and Foreign Languages /SWAYAM / NPTEL / MOOCs*	2
	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				
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. No.	**Course Type**	**Course Code**	**Course Title**	**Credit**

	Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credit**
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	Human Rights: Issues and Challenges	4
			PSC72MJ02704	*OR* International Security: Issues and Challenges	
			--	*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**
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					
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
	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, whether she/he undertakes research project or not.	12
		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

Semester	Sl. No.	Course Type	Course Code	Name of the Course	Credit
			Year 5 **Semester IX**		
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

				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

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 semesters) Post Graduate Programme is designed to equip the students with the philosophical and theoretical perspectives in the Indian and Western traditions along with their practical applications as mentioned above. It also aims to impart critical thinking and methodological skills of academic and action-oriented research. The programme endeavours to study issues that polity and politics have been confronting with in the Indian, comparative, international, regional and local milieus. It also inculcates among the students contextually appropriate sensibilities towards 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

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**

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)		

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Department of Sociological Studies

Sociology originated as an intellectual response to the crisis confronting the mid nineteenth century European society. Its development over a century and a half since then has been influenced by a variety of socio-economic and political conditions where it has been taught and practiced. It is now established as a multi-paradigmatic academic discipline, with its body of theoretical knowledge enriched and its methodological techniques and procedures systematized.

As Sociology helps us see the world from many vantage points keeping self-reflexivity and critical reflexivity, the Department focuses on teaching as well as research in theoretical, methodological and applied understanding emphasizing on inter-disciplinary approach. As per the mandate of the CUSB, the Department seeks to explore various issues and problems related to the socio-cultural understanding in the context of national development for knowledge generation. Apart from teaching courses in Sociology, the Department accentuates on training students in social sciences methodology and the techniques of social research in both qualitative and quantitative aspects.

Human development is the core of all development discourse. Human resource development through higher education is of great importance for a successful societal development and welfare of a nation. To this end, the Department has been striving to contribute its share by training competent Sociologists who can promote socioeconomic development and welfare at all

levels of the diverse cultures and communities of India. Its various offered common courses are aimed at producing competent and skilled citizens who can help in transforming their own people's lives. The Department encourages students in terms of learning and understanding of the courses through active participation in and outside classroom. Apart from the classroom teaching, students will be evaluated continuously on their active engagement through tutorial, book review, term paper/assignment, presentation, seminar, workshop, etc.

Vision:

To be recognised globally by acting locally through generating applicable knowledge in the field. This will help increase understanding about Society, its problems and needs. Therefore, the Department is visionary in its action and scope in such a way that will produce professionals who can serve as effective leaders and actors in any development endeavours across the world.

Mission:

To place the Department on the top of the academic excellence all across the world in general and India in particular by providing an environment where the learners could fulfil their dreams and achieve their maximum merit, and will be working to nurture the local talents and disseminate knowledge.

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 provide a comprehensive and interdisciplinary education inculcating a deep understanding in Sociology. The Integrated programme provides students with an integrated approach to study Sociology within a multidisciplinary framework to achieve excellence in the field. This integrated programme offers a framework of flexible options, and multi-level entry and exit.

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

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.

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.

Course Structure					
	Sl. No.	**Course Type**	**Course Code**	**Course Title**	**Credits**
	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
Semester I	**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
	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
	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
Semester III	**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
	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 courses listed above for 8 credits (2 x 4 credit = 8 credits) for B.A. (Hons.) in Sociology.	8
		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 at the Department primarily include three aspects of sociological studies - Theory and Social Thought; Methodological Orientation and Methods of Social Research; and Substantive Studies on Different Dimensions of Social Life. In this programme, interdisciplinary orientation is reflected in the structure as well as in the contents of the courses offered at M.A. For Master's Programme, the Department provides some core courses on Classical Sociological Thinkers, Indian Society: Structures and Processes, Social Stratification, Sociology of Family and Marriage, Sociological Theories, Methods and Techniques of Social Research, etc.

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
	SOC81OE00504	Society and Environment

	Course Code	Course Title
OEIC	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
OEIC	SOC91OE02404	Ethnicity, Pluralism and Nation Building
	SOC91OE02504	Sociology of Religion

MENC	SOC91ME02600	Indian Knowledge System

Even Semester (Semester – IV)

	Course Code	Course Title
DBCC	SOC92DC02704	Indian Society: Structure and Process
	SOC92DC02804	Modern Indian Social Thought
	SOC92DC02904	Field Work and Report Writing
DBCE	SOC92DE03004	Economy and Society
	SOC92DE03104	Sociology of Development
	SOC92DE03204	Population and Society
	SOC92DE03304	Sociology of Social Movement
	SOC92DE03404	Dissertation
MENC	SOC92ME03500	Innovation and Entrepreneurship

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

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 PhD. 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 joining the Social Work bring various academic and personal background. They come with their own distinctive professional and personal reasons for pursuing a master's degree in social work. Thus, the curriculum is designed in such a manner that the students can easily build on what they have, by taking advantage of new teaching methods, which strengthen their basic skills and concepts. Keeping this and the changing prospects from the profession in mind, the Department has fabricated its course curriculum. 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**
DBCC	SWK92DC02504	Filed of Social Work
	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 offers the students an advanced system of knowledge full of new epistemological and ontological foundations and research explorations in the realm of historical studies. The reconstruction and the understanding of the past is of paramount importance to protect and preserve the cultural and intellectual heritage and also to know about the true spirit of a nation. India, as a nation, has traversed a tortuous trek on the cultural, civilizational and historical course. India abounds in stupendous historical events in different spheres of human existence from cultural to socio-economic and politico-administrative fields. Moreover, India has a distinction of waging the greatest mass movement in the form of the National Freedom Struggle, unparalleled in the world history, and unique amongst the third world countries. The colossal sacrifices of Indian masses, intelligentsia, commoners including peasants, tribes have been unprecedented in the world history. The uniqueness and vastness of India's past prompts the Department to endeavor towards further exploring the erstwhile historical phenomena entailing newer and innovative approaches exploiting the ever growing interface between education and technology. The Department endeavors to explore new frontiers of research and knowledge-creation within the existing pool of knowledge in History. Inculcation of commitment to India's culture and tradition within the contending frameworks of contemporary 'Idea of India' remains the central focus of Department's teaching-learning method.

Vision:
The vision of the Department is to spearhead the research activities particularly in the field of Indian culture and the Indian Nationalism. As the university is located in Gaya, the heart of Buddhism, the Department has the unique advantage of utilizing the sources in the Buddhist studies in the pursuit of the further research in this field and also establishing academic relations with the educational institutions in other Asian countries having stronger Buddhist influence and thus promoting exchange of ideas globally. Further, this region has also remained at vanguard in the Nationalist Movement right from the revolt of 1857 to the revolt of 1942. So, the region is naturally abundant with rich historical sources to attract new researches in this field and the Department looks forward to take this advantage.

Objectives:
- The primary objective of the Departmentis 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			

				L
10.	One Course from the Given List of Multidisciplinary Courses **DIASPORA IN MODERN INDIAN HISTORY**	**HIS52MD00703**	**3**	
	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)			
19	. One Course from the given List of SEC Courses **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			
32	**Internship**	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**	**12 CREDITS**	**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.	Any One Course According to the Specialization of the students **ASPECTS OF ECONOMIC LIFE IN ANCIENT INDIA/**	**HIS91MJ03904**	**4**	**L**
49.	**ASPECTS OF ECONOMIC LIFE IN MEDIEVAL INDIA/**	**HIS91MJ04004**	**4**	**L**

50.	ASPECTS OF ECONOMIC LIFE IN MODERN INDIA	HIS91MJ04104	4	L
	Any One Course According to the Specialization of the students			
51	SOCIETY, CULTURE AND RELIGION IN ANCIENT INDIA/	HIS91MJ04204	4	L
52	SOCIETY, CULTURE AND RELIGION IN MEDIEVAL INDIA/	HIS91MJ04304	4	L
53	SOCIETY, CULTURE AND INTELLECTUAL HISTORY OF MODERN INDIA	HIS91MJ04404	4	L
	Any One Course According to the Specialization of the students			
54.	SCEINCE, TECHNOLOGY AND MEDICINE IN ANCIENT INDIA/	HIS91MJ04504	4	L
55.	SCIENCE, TECHNOLOGY AND MEDICINE IN MEDIEVAL INDIA/			
56.	SCIENCE, TECHNOLOGY AND MEDICINE IN MODERN INDIA	HIS91MJ04604	4	L
		HIS91MJ04704	4	L
	Any One Course According to Specialization of the students			
57	ART AND ARCHITECTURE IN ANCIENT INDIA/	HIS91MJ04804	4	L
58	ART, ARCHITECTURE IN MEDIEVAL INDIA/	HIS91MJ04904	4	L
59	HISTORY OF IDEAS IN COLONIAL INDIA	HIS91MJ05004	4	L
	Any One Course According to Specialization of the students			
60	STATE AND ADMINISTRATION IN ANCIENT INDIA/	HIS91MJ05104	4	L
61	STATE AND ADMINISTRATION IN MEDIEVAL INDIA/	HIS91MJ05204	4	L
62	STATE AND ADMINISTRATION IN MODERN INDIA	HIS91MJ05304	4	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 Master's programme in History which comprises four semesters for the period of two years. Through a suitable structure and balanced syllabus incorporating various dimensions of historical studies, the programme emphasizes on fostering sophisticated and complex perspectives on the past. The programme is well tailored to train the students on expanding knowledge base in historical studies with 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- HIS810OE00504
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

	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		**Prof. Anand Singh** Professor & Head *Specialization: .Buddhist Archeology, Sacred Geography/ Magadh, Buddhist Environmentalism*
	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

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FACILITIES

1. Library Collection:

Central University of South Bihar has developed a well-equipped Central Library to cater to the information requirements of students and faculty for their academic accomplishments. The library has built a collection of more than 48275 print books, 6400 e-books, 143+ print journals, 6900 online e-journals (access through e-ShodhSindhu, 5 online e-databases, 15 print magazines, 11 newspapers, 2800 bound volumes journals to support academic curricula, teaching and research in various science and social science subjects including Encyclopedias, Handbooks, Miscellaneous Reports, Dissertations, etc. and archives. All the books are bar-coded and are organized on shelves using Dewey Decimal Classification (DDC) scheme. An Online Public Access Catalogue (OPAC) of library books along with a Digital Library is made available for reader on every computer in the University premises through Local Area Network.

2. Library Automation and Remote Access Services:

A self-oriented user friendly and fully automated service for Book Issue and Return, and use of RFID reduces the amount of time required to perform circulation operation. For the users, RFID speeds up the borrowing and return procedures.
Regardless of location, Remote access can be used by user anytime and anywhere, and easy 24X7 access of e-Resources to a Remote Network helps users get their desire-Resources (e-databases, e-books, e-Journals, etc.) through single username and password in centralized Integrated e-Resources Management system. For this the Central Library is providing the facility of cloud-based remote access service through 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. At this time period, any user can read, issue and return the books, and use the Reference Section. The Central Library has tried to provide a diversity of services to its users such as Circulation Service, Inter- Library Loan through DELNET, Current Awareness Service (CAS), using OPAC, users can search for availability of books in library, current status of books, due date of return, reserve/hold book, etc.

7. Common Computer Lab

Computer system facilitates a common computational resource for the academic programmes as well as computing resources in the University. The computer lab provides a central computing facility to the students, teachers and staff of the University for their assignments, projects, dissertation and research related work. In the computer lab, printing and scanning facilities are provided.

8. Internet & Intranet

Internet connectivity is provided under the scheme of National Mission on Education through Information and Communication Technology (NME-ICT) project of Government of India. All computers are connected through 1 GBPS Internet connectivity. The Intranet network, consisting of gigabyte Ethernet and OFC backbone provides connectivity to departments, library, classrooms and administration. World class networking product of CISCO has been installed in campus network to provide stable and hassle-free computing. All 72 class rooms are equipped with smart class room devices with Internet access.

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

At present, there are over 500 high performance computers in the University. All computers are equipped with latest operating system and application software to cater to the academic needs. Computers are protected by firewall and reliable antivirus software against computer virus, malware and unauthorized access. The University has licensed copies of software such as SPSS, MATLAB, MINITAB, Adobe Creative Suite, QuarkXPress, KOHA, Windows Server 2008R, and Red Hat etc. Powerful online UPS are installed to protect the computer and other sensitive devices from power fluctuation and surge.

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

Two well-furnished and aesthetically designed separate hostels for girls and boys have been constructed within the campus of the University with a view to providing the best possible facilities to the students. For leisure and recreation, both indoor and outdoor sports facilities are made available in the hostels. Allotments of accommodation in Hostels are made in accordance with the norms, procedure and administration stipulated in the "Rules and Regulations Governing Hostel Administration and Residency" approved by the Statutory Bodies of the University.

13. Health Centre

The University is having a Health Centre in the campus with a view to providing ambulance services 24x7 for general ailments under the supervision of resident doctors.

STUDENTS SUPPORT

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 has a Cultural Committee coordinated by a chairperson. The Committee organizes various cultural activities and events throughout the year which provides a platform to the students and helps the students to identify their hidden talent and to develop themselves in the desired fields. The University has established a CUSB Heritage Club to nurture the creativity of each individual with an underlying intention of getting a closer look at our rich heritage and inculcating a sense of pride.

STUDENTS WELFARE AND CELLS
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

Like physical health, mental health determines efficiency and productivity. Mental health is critically important for teaching-learning process, creativity, and congenial environment in academic institutions. The University adopts a forward-looking approach and institutes psychological counselling and guidance services for students, faculty and employees. Innovative programmes like 'Crises Intervention Programmes' and 'Community Mental Health Programme' are planned to be developed. To facilitate learning, the motto of 'Learning Together' is encouraged and practiced.

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 87rganize 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 87rganize87ion 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 87rganize 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

Following the UGC regulations 2009 on curbing the menace of ragging in higher educational intuitions, ragging in all its forms has been totally banned in the entire University including its departments/centres all its premises (academic, residential, sports, canteen etc.), whether located within the campus or outside and in all means of transportation of students. CUSB takes strict action against the culprits as per the UGC guideline

Educational Tours

For educational tours organized as per the course requirements, the University may provide financial assistance, if required, to students in the form of one-time to and fro non-AC sleeper class rail fares by the shortest route. For routes not connected by railways, travel assistance equal to the actual bus fare may be provided.

Sports

Sports activities in the University are coordinated by the Sports Committee constituted to organize various sports events throughout the year. The University provides sports schedule in the academic calendar, which is distributed to all the students at the beginning of the academic year. University Sports Committee conducts various sports activities for both boys and girls throughout the academic year.

Grievance Redressal Cell

In order to redress the grievances of the students about academic and non-academic matters the University has instituted the Grievance Redressal Cell which is effective in its functioning.

SC/ST/OBC Minority Cell

The University is committed to provide assistance to the SC/ST/OBC and minority students through SC/ST/OBC Minority Cell. The major purposes are to implement and monitor the reservation policy

and address the problems of the students and to bring them at par with the main stream students by providing them teachers with expertise and specialization in the subjects where they lack.

Equal Opportunity Cell

For the purpose eliminating discrimination and create awareness about it, as per UGC guidelines, the University has constituted an Equal Opportunity Cell headed by an Anti-Discrimination Officer of the rank of a professor.

Women Task Force

The University has constituted a Task Force for Women to provide security and protection to the women on the University campus and in the hostels and to ensure creating a safe working and learning environment to enable them to conduct their professional and academic activities.

SPARSH

The University has set up Sensitization, Prevention and Redressal of Sexual Harassment (SPARSH) for the prevention of sexual harassment in the University under UGC (Promotion of Equity in Higher Educational Institutions) Regulations 2012. SPARSH provides campus environment free of gender-based discrimination, sexual harassment and other acts of gender-based violence and creates awareness about it.

Proctorial Board

The University has a Proctorial Board which ensures to maintain discipline on the campus and to create a cordial atmosphere amongst students through observation of general conduct of the students.

(b) Extension activities outreach programme

Unnat Bharat Abhiyaan

Universities are the centres of higher learning and they serve as catalysts for social development and change. Unnat Bharat Abhiyaan, launched by the government, is an important initiative to revitalize and develop the rural India through the support of institutions of higher learning. The University is located in one of the backward regions and it is our responsibility to bridge the gap between rich and poor, rural and urban and to bring transformation in the rural development of the region. University has adopted a few villages near Panchanpur and it is looking into the key issues like education, health and sanitation, entrepreneurship and agriculture. It aims to uplift the plight of residents of the nearby villages and help them to become self-sufficient.

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 medium 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 90rganizing legal literacy camps, seminars, legal counselling, public speaking, poster making, street plays and liaisoning with Legal Services Authorities and through various other communicable Media.

Blood Donation Camp

The University organizes Voluntary Blood Donation Camps with the help of Red Cross Society regularly on the University campus. The students, faculty and non-teaching staff participate in these indoor blood donation camps.

Study Circle

The Students Study Circle, "Renaissance", has been set up by the University. The motive of the study circle is to enlighten students and spread knowledge about the specific events through organizing seminars, debate competitions and other similar kinds of activity within the University campus.

Smile Group

SMILE is a voluntary social service group mostly initiated by the students. The aim of this initiative is to research into the problems of the under-privileged children and inspire them and to solve their problems by motivating them with the cooperation of parents, teachers and society. The members visit schools and students' catchment areas on selected days, and donate stationery and other pertinent study items, interact with the children and study their cases and encourage them to involve themselves in curricular and co-curricular activities.

CUSB Honesty Shop

The real test of the character only happens after passing the test of temptation, on the same pattern, an innovative initiative has been taken by opening of a Honesty Shop. The aim behind this initiative is to develop life skills among students. Stationery items like pencil, copy, pen, sharpener, rubber, copy, scale, staplers, cardboard, colors, whiteners etc. have been kept in this honesty shop. There is neither a shopkeeper nor any keeper/camera of the shop. With the value of each item displayed, students pay for the material they need to buy and keep the prescribed amount in the cash box kept there. It is known that in the rapidly changing times, ethical values are being violated. This shop has been started to inculcate moral and ethical values and to teach the lesson of honesty to the students.

CUSB Book World

An initiative taken by students and teachers based on the idea of *Reading*, *Sharing* and *Donating* of Books. This initiative is an attempt to promote the culture of learning and reflection from different facets of our social life through reading sessions, discussions and deliberations thereof. These efforts are also designed to facilitate those students who have a desire to study books but may not be in a position to buy books and enjoy fruitful reading. Book World has been running successfully for more than two years and has also been acknowledged by 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.

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ADMISSION OF FOREIGN NATIONALS IN VARIOUS PROGRAMMES

Salient Features of Academic Curriculum

Why to Study at CUSB

Central University of South Bihar is a fully funded University by Central Grant. The campus of CUSB has attracted students from all over the world because of rich heritage of place i.e., Buddha's enlightened place and other congenial and inspiring environment of which following are notable. The sailent features of the CUSB are:

a) CUSB lies in the ancient Magadha Plain of India with rich culture and Indian values. CUSB has ecofriendly campus and is very beautiful with lots of greenery inside and outside the campus. The University lies in Buddhist circuit where Lord Buddha was enlightened about 2600 years back.

b) CUSB has good connectivity and accessibility. It is located 15 kms away from Gaya railway station and 40 kms away from Gaya International Airport.

c) There is a special cell for assistance of foreign students which is fully dedicated to solve problem and mission of foreign students.

d) Every year a number of foreign students are admitted to the various academics' programmes of CUSB under self-financing or through sponsoring / funding agency by Govt. of India. The foreign national students are exempted to appear in entrance exam of (CUET) for admission. However, they should have minimum eligibility criteria for the admission as prescribed in the prospectus of CUSB.

e) The Graduate, Postgraduate and Ph.D. Programs of the university in various disciplines have been crafted with a view to cater to the needs of Indian and Foreign students. The university has a world level curriculum that had been designed with the perspective that is needed for 21st century.

f) CUSB has developed a well-equipped Central Library to cater to the information requirements of students and faculty for their academic accomplishments. The library has built a collection of more than 31,000 books to support academic curricula, teaching and research in various science and social science subjects. The library subscribes to 108 quality print journals and magazines of renowned publishers from across the world and more than 8,000 online journals.

g) Central Instrumentation Facility (CIF) has been set-up despite of the fact that every department has well developed laboratory. The aim of CIF is to provide a central facility consisting of the latest and advanced analytical Instruments to facilitate multidisciplinary research and to cater to the needs of academic research institutes, universities, and industries for high-end material. This facility is open to all the researchers from universities, academic institutes, national research institutes, private institutes, and industries.

h) There is Memorandum of Understanding between CUSB and International University such as Aston University of Birmingham, United Kingdom. As per the MoU, both the CUSB and Aston University collaborated on the development of Aston Medical School at Aston with major areas of research to be covered under the agreement are Stem Cell therapy, Drug Designing therapy, Mental health, etc. That is the reason sizeable number of students used to apply in CUSB and get admission in number of different courses.

i) The courses are detailed in such a way that it will provide ample exposure to the students in pursuit of their career in the field of academics, journalism, administrative services, social work, research organizations, think-tanks, organizations involved in policy-making and policy analysis, national and international non-governmental organizations, and international organizations like United Nations, World Bank, International Monetary Fund etc.

j) The university has crafted a teaching-learning methodology which has a strong interface with cutting-edge technology at global level with innovative Continuous Assessment System where Evaluation is also a part of teaching-learning methodology itself in each of the courses.

k) The University has internationally acclaimed group of faculty members in various programmes including science and humanities with several years of experience across the world.

l) The cutting-edge researches in major thrust areas in various programmes are supported by various national and international funding agencies. Research laboratories are equipped with advance instrumentation facilities.

m) The university presents an atmosphere of home being at while one is away from home.

About ICCR

The Indian Council of Cultural Relations (ICCR) is India's first autonomous organization having been established in 1950. The major purpose of ICCR is to actively participate in the development and implementation of policies and initiatives concerning India's international cultural relations. ICCR is fully devoted and dedicated for foreign students. ICCR helps to

　　a) To foster and improve cultural links and mutual understanding between India and other countries;

　　b) To encourage cultural exchanges with other countries and people;

　　c) To establish relations with nations.

The ICCR's major vision and mission is to preserve the threads of India's rich artistic and cultural legacy. Also, ICCR mission is to turn India's vast and widely dispersed cultural canvass into an objective cultural mapping in order to design a mechanism to meet the hopes of the entire nation's artists in order to preserve the country's rich cultural heritage for future generations and to create a strong cultural vibrancy throughout 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 Condition
   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.

Documents Requirements

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.

n) 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.Sc. B.Ed.	4 years
	B.A. B.Ed.	
	B.Sc. (Hons.) Agriculture	

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 Physic	
	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 Clinical Psychology	
	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	
	Ph.D. in Geology	

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.

SN	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)	500.00
	c) Hostel Mess (optional)	Actual basis

Contact OIA, CUSB

The Office of International Affairs is located in Room No- 105 of Administration building in 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

Dr. Rakesh Kumar (Associate Professor) Chairman Room No-128, Science Building, CUSB Campus Phone: 9709474061 E-mail: rakeshkr@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
Col. Rajiv Kumar Singh (Retd.)
Registrar, CUSB
Email: - registrar@cub.ac.in
Telephone: - 0631-2229-507

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Dear Student,

Upon receiving an eligibility letter for admission from CUSB, you must complete any and all necessary formalities in your country, as per your country's rule for students studying abroad and procure a **Student Visa.** If you are a PhD student, you must obtain a **Research Visa** from the Indian Embassy in your country. PhD students, who are OCI, MUST obtain approval for Ph.D. research studies through a Letter of Permission from the Ministry of Home Affairs, Government of India. You should enroll preferably within one month of admission, but must enroll within the period of eligibility, usually within the following two terms after receiving admission.

Once you have your visa/approval letter, you are required to report IN PERSON, not by email or letter, to the International Student Centre of Central University of South Bihar, Patna, Bihar to complete the remaining paper work. For hassle-free registration process, please carry the following documents
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. L**ate 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.**

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- 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.

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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)**:

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        ┌──────────────────┐
        │       DSW        │
        └──────────────────┘
                 ↓
        ┌──────────────────┐
        │  Coordinator of  │
        │     Hostels      │
        └──────────────────┘
                 ↓
        ┌──────────────────┐
        │   Chief Warden   │
        │      (IHAC)      │
        └──────────────────┘
                 ↓
        ┌──────────────────┐
        │     Wardens      │
        └──────────────────┘
                 ↓
        ┌──────────────────┐
        │  Hostel Office   │
        │      Staff       │
        └──────────────────┘
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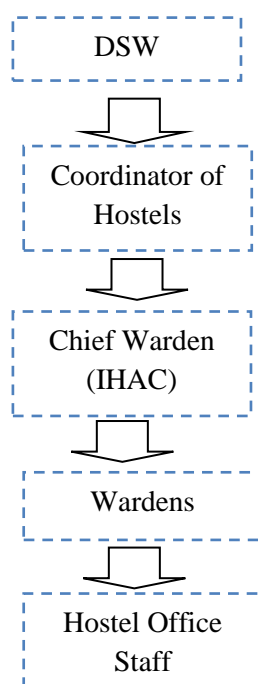
(ii)   The University Hostel Administration shall come under the umbrella of **Dean of Students' Welfare (DSW),** who shall look after the general welfare of students residing in the hotels, and advise the Coordinators of Hostels/s and the Chief Wardens on matters concerning their functions.

(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).

(v)   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). Aninmate 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 andother 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 aninmate 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

(iv)   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.

1.6.3 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 aninmate 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 Wardenkeeping 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.

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*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 c*ategory 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 theUHF 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 s*uo 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 writingin 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 theconcerned 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 shallbe 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 Allinmates 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 personfrom one plate or *thali* is prohibited.

3.6.21 Theinmates 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, room or veranda	`.100	`.200	` 500
15	Creating law and order problems inside or outside the campus	Eviction from Hostel & Reporting to Office of the Chief Proctor for	NA	NA

		further necessary action		
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/instigating cigarettes/tobacco/tobacco 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 the place of another inmate	` 500	` 1000	` 2000
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	` 200	` 500	`1000

	special dishes			
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 <u>more than three occasions excluding warning (s),</u> 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

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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:
....

ANNEXURE I, Part I

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: