

Central University of South Bihar

Department of Geology

Minutes of the Board of Studies (BoS) meeting held on 05/03/2025

The Board of Studies meeting of the Department of Geology was held on 5th March, 2025. Following members were present in the BoS Meeting:

1.	Prof. Prafull Kumar Singh Department of Geology, CUSB, Gaya	Chairperson
2.	Prof. T. N. Singh Director, IIT, Patna	External Member
3.	Prof. Dhruv Sen Singh Head, Department of Geology University of Lucknow	External Member
4.	Prof. Durg Vijai Singh Department of Biotechnology, CUSB, Gaya	Cognate Member
5.	Dr. Prashant Associate Professor Department of Environmental Science, CUSB, Gaya	Cognate Member
6.	Dr. K. Milankumar Sharma Department of Geology, CUSB, Gaya	Member
7.	Dr. Vikal Kumar Singh Department of Geology, CUSB, Gaya	Member
8.	Dr. Longjam Kabita Chanu Department of Geology, CUSB, Gaya	Member
9.	Dr. Priti Rai Department of Geology, CUSB, Gaya	Member
10.	Dr. Dharendra Kumar Department of Geology, CUSB, Gaya	Member

At the outset, Chairman welcomed all the members of the board. The agenda of the meeting and the actions taken are as follows:

Agenda 1: Approval of course structure and syllabus of Five Year Integrated UG-PG Program in Geology for AY 2025-2026 as per university guideline.

Resolution:

The course structure and syllabus of the five year Integrated UP-PG Program was reviewed by the BoS members as per the guideline and notice no. CUSB/Acad/1-1/2023/AE7419 dated 27.12.2023 'Ordinance Governing Five-Year Integrated UP-PG Programme'.

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Priti Rai, Singh, Singh, Singh, Singh, Singh, Singh, Singh, Singh, Singh

The BoS committee recommended to start the Five Year Integrated UG-PG Program in Geology with the option of Certificate/Diploma/Degree courses having multiple Entry and Exit options. The program structure / syllabus approved by the BoS members regarding its content and suitability and further approval from the Academic Council. **(Annuxure-1)**.

- The minor and multidisciplinary courses available on the SWAYAM Portal will be reviewed and student can choose any course from the list approved by the Departmental Committee (DC).
- The evaluation of 6-month dissertation work will be on 30/70 (30% Internal and 70% External evaluation).
- Geological Museum is one of the essential requirement of the Geology programs, committee suggested for the development of Geological Museum in the department.

Agenda 2: Approval of Fee Structure for Five Year Integrated UG-PG Program in Geology

Resolution:

- The BoS Committee review the proposed fee structure and approved as given below.

1 st Year (2025-26)		2 nd Year (2026-27)		3 rd Year (2027-28)		4 th Year (2028-29)		5 th Year (2029-30)	
Sem. 1	Sem. 2	Sem. 3	Sem. 4	Sem. 5	Sem. 6	Sem. 7	Sem. 8	Sem. 9	Sem. 10
10,550	10,550	10,550	10,550	10,550	15,550	10550	10550	10550	10550

- In Semester -6, program have external Field Geology and Field Training (GEL72MJ02504) and for this activity Rs. 5000/- extra fee included. The BoS member recommended that the local field visit may be proposed by the faculty as per the requirement semester wise and the expanses for local visit shall be supported by the university.

Agenda 3: Approval of minor change in the Course code of running M.Sc. and Ph.D. program (Geology) as per NEP 2020.

Resolution:

- Department of Geology revised the course codes of the M.Sc. Geology program of previous year (2024-26). Therefore, new course code assigned to some courses and same approved by the BoS committee.
- The course code of Ph.D. Program (Geology) is also updated as per the requirement and revised codes are approved by the members.

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Course Name and Codes of M.Sc. Geology Program

SEMESTER I			
Nature of Course	Course Code	Name of Course	Credit (L+T+P)
Discipline Based Core Course	GEL81DC03604	Mineralogy and Mineral Optics	3+0+1
Discipline Based Core Course	GEL81DC03704	Structural Geology and Geotectonics	3+0+1
Discipline Based Core Course	GEL81DC03804	Igneous and Metamorphic Petrology	3+0+1
Open Elective Interdisciplinary Course	GEL81OE03904	Geo-informatics	3+1+0
Open Elective Interdisciplinary Course	GEL81SW00704	Introduction to climate change SWAYAM approved Course	3+1+0

SEMESTER II			
Nature of Course	Course Code	Name of Course	Credit (L+T+P)
Discipline Based Core Course	GEL82DC04004	Marine Geology and Micropaleontology	3+0+1
Discipline Based Core Course	GEL82DC04104	Stratigraphy and Paleontology	3+0+1
Discipline Based Core Course (Vocational)	GEL82DC04204	Advance Remote Sensing and Its applications in Geology	2+1+1
Discipline Based Course Elective	GEL82DE04304	Geohazards and Disaster Risk Reduction	3+1+0
Discipline Based Course Elective	GEL82DE04404	Geophysics and Mineral Exploration	3+1+0
Discipline Based Course Elective	GEL82DE04504	Environmental and Engineering Geology	3+1+0

A collection of handwritten signatures and initials in black ink, including names like 'S. Singh', 'P. Singh', 'T. Singh', 'S. Singh', and 'S. Singh', along with other initials and a signature that appears to be 'S. Singh' or similar.

SEMESTER III			
Nature of Course	Course Code	Name of Course	Credit (L+T+P)
Discipline Based Core Course	GEL91DC04602	Geological Field	0+0+2
Discipline Based Core Course	GEL91DC04704	Ore and Mining Geology	3+1+0
Discipline Based Core Elective	GEL91DE04802	Geochemistry and Isotope Geology	2+0+0
Discipline Based Core Elective	GEL91DE04902	Cryosphere and Climate change	2+0+0
Discipline Based Core Elective	GEL91SW05002	Earth Science for Civil Engineering/River Engineering SWAYAM approved Course	2+0+0

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

Course code changes in current running Ph.D. Geology program

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

Amal Singh

Priya Devi

T. Sub

Vijay

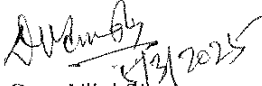
Jyoti K. S.


Agenda 4: Approval of SWAYAM courses for UG and PG semesters


Resolution:

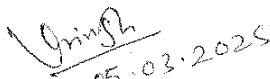
- The committee reviewed the SWAYAM courses for UG and PG students, However DC will finalize the course on the availability basis and to be offer in the different semester. (Annuxure-2)


The meeting ended with vote of thanks by the Chairperson



Prof. Durg Vijai Singh
(Cognate Member)

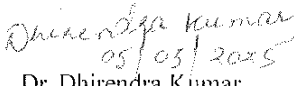

Dr. Prashant
(Cognate Member)



Dr. K. Milankumar Sharma
(Member)


Dr. Vikal Kumar Singh
(Member)


Dr. Lajjam Kabita Chanu
(Member)


Dr. Priti Rai
(Member)


Dr. Dhirendra Kumar
(Member)


Prof. Prafull Kumar Singh
(Head & Chairperson)

Joined Online

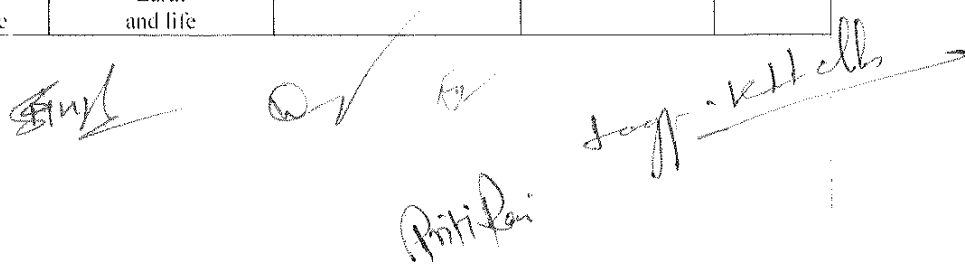
Prof. Dhruv Sen Singh
(External Member)

Joined Online

Prof. T.N. Singh
(External Member)

List of SWAYAM approved Courses for Geology (UG/PG)

S.N.	Subject / Discipline	Course Title	Host University/Institute	Level UG/PG	Credits
1	B.Sc. Geology	Petrology	Dr. Harisingh Gour Vishwavidyalaya	UG	4
2	B.Sc. Geology	Photo Geology and Remote Sensing	Dr. Harisingh Gour Vishwavidyalaya	UG	2
3	Earth Sciences & Geography	Water Resources and Watershed Management	Osmania University	PG	4
4	Geology	Earth System Science	JNY University	UG	4
5	Agriculture Engineering	Watershed Hydrology	IITKGP	UG/PG	3
6	All disciplines of Engineering and Sciences	Technical Communications for Engineers	IITR	UG/PG	1
7	Architecture and Planning	Environmental Impact Assessment	IITR	UG/PG	3
8	Civil Engineering	Geographic Information Systems	IITR	UG/PG	3
9	Civil Engineering	Geology and Soil Mechanics	IITK	UG/PG	3
10	Civil Engineering	Geomorphology	IITK	UG/PG	3
11	Civil Engineering	Earthquake Resistant Design of Foundations	IITR	UG/PG	2
12	Civil Engineering	Engineering Hydrology	IITG	UG	3
13	Civil Engineering	Microwave Remote Sensing in Hydrology	IITB	PG	3
14	Civil Engineering	Remote Sensing Essentials	IITR	UG/PG	3
15	Civil Engineering	Surface Water Hydrology	IITKGP	UG	3
16	Civil Engineering	Water and waste water treatment	IITR	UG	3
17	Civil Engineering. Rural Development. Earth Science. Geology	Remote Sensing and GIS for rural development	IITB	UG	3
18	Earth Science	Groundwater Engineering	IITR	UG/PG	3
19	Earth Science/ Geology / Geoscience	The evolution of the Earth and life	IISER Pune	UG	3



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20	Earth Sciences	Geomorphic Processes: Landforms And Landscapes	IITK	UG	2
21	Earth Sciences	Stress and Strain issues in Structural Geology	IITB	UG/PG	3
22	Humanities and Social Sciences	United Nations Sustainable Development Goals (UN SDGs)	IITH	UG/PG	3
23	Multidisciplinary	Groundwater hydrology and management	IITB	UG	3
24	Earth Sciences/Civil Engineering	Laboratory Practices in Earth Sciences: Landscape Mapping	IITK	UG/PG	2
25	Agriculture Engineering	Water Quality Management Practices	IITKGP	UG/PG	3
26	Metallurgical and Materials Engineering	Crystals, Symmetry and Tensors	IITD	UG/PG	3
27	Multidisciplinary	Basics of Remote Sensing GIS & GNSS and its Applications_July 2023	Indian Institute of Remote Sensing	UG & PG	4
28	Management IT	Digital Image Processing	IIMB	PG	3
29	Department of Mining Engineering	Elements of Underground and Opencast Mining	CSVTU, BHILAI	Diploma	4
30	Multidisciplinary	Introduction to Climate Change	IGNOU	PG	4
31	Multidisciplinary	MSD-011: Sustainability Science	IGNOU	PG	4
32	Multidisciplinary	MSD-016: Strategies and Models for Sustainability	IGNOU	PG	4
33	Multidisciplinary	MSD-017: Challenges to Sustainable Development	IGNOU	PG	4
34	Multidisciplinary	Communication and Extension for Sustainable Development	IGNOU	PG	4

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