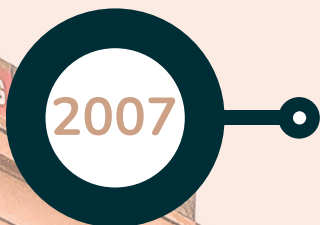




Branch at a Glance

DEPARTMENT OF ENVIRONMENTAL SCIENCE AND ENGINEERING

This department pioneers solutions for global environmental challenges. Our interdisciplinary programs and cutting-edge research empower students to address water resources, air quality, waste management, and sustainable development. Our department fosters a collaborative environment where students, faculty, and industry partners work together to develop innovative solutions for pressing environmental issues. This department is also accredited with ISO 9001 and OHSAS 18001 Certificate.



Department of
Environmental
Engineering
was established

DOMAINS OF STUDY

- Pollution and its control techniques (Air, Water and Noise)
- Solid Waste Management
- Wastewater Treatment Methodologies
- Impact Assessment
- Remote Sensing
- GIS and Geology
- Land-Use Planning
- Environmental Policy and Legislation

LABORATORIES - UG, PG

- Advance Water Treatment
- Advance Wastewater Engineering
- Air & Noise Monitoring
- Air Pollution & Computational
- Applied Microbiology
- Biogeochemistry
- Environmental Biotechnology
- Environmental Geotechnology
- Environmental Nanotechnology
- Land Use & Hydrogeology
- Soil Pollution & Ecological Restoration
- Solid Waste Management & Adsorption Research

Courses	Strength
Bachelor of Technology	35
Master of Technology	33
Integrated Master of Technology	3
Grand Total	71

PLACEMENTS & INTERNSHIPS

49+ LPA
Max. CTC

11+ LPA
Median CTC

40k / mo
Median Stipend during
Internship

Core Companies

ReNew
POWER



vedanta
transforming for good



Envint
Business for Better



TATA POWER

VEOLIA
Water Technologies

Reliance
Industries Limited

adani

TATA STEEL

Jacobs

Research & Development

Meet our HOD



PROF. ANSHUMALI

(Professor)

15-02-2007 - Present

Ph.D. in Environmental Sciences from J.N.U., New Delhi

Primary Areas of Research

Geochemistry And Bio-geochemistry Of Terrestrial/Aquatic Ecosystems, Ecology And Biodiversity, Environmental Quality and EIA/EMP.



Citations 1600[💡]
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Ongoing & Completed Departmental Research

- Identification of suitable sites and designing of environment friendly rainwater harvesting structures for catching the rain where it falls when it falls in the IIT (ISM) campus area. Project cost is Rs. 8.80 lakh, Role is PI, No.of Co-PIs is 8, Funding agency is IIT(ISM) Dhanbad. Duration is 2020-21.
- Delineation of the administrative boundary of the Banki River, Garhwa District, Jharkhand: an implication in restoration and conservation of the Ganga River Basin. Project cost is Rs. 67.57 lakh. Funding agency is IIT(ISM) Dhanbad. Duration is 2021-24 .
- EIACP (PC-RP) IIT(ISM) Dhanbad on Environmental Problems of Mining. Project cost is Rs. 21 lakh. Funding agency is MoEF&CC. Duration is 2021-24.
- Integrated non-invasive geophysical, archaeological and biogeochemical characterization of Ithkhoura Heritage sites in the Mohane River Valley. Project cost is Rs. 126 lakh. Funding agency is DST. Duration is 2022-25 .
- Cumulative Impact Assessment Study, Carrying Capacity Study and Ecosystem Services Study as per condition of Terms of References (ToR) for Expansion of Nigahi Opencast Coal Mining Project from 21 Mtpa to 25 Mtpa with increase in leasehold area from 3018.40 ha to 3582.723 ha. Project cost is Rs. 130.626 lakh. Funding agency is NCL, Singrauli. Duration is 2022-23.
- Inspection of GPIs for Compliance Verification (CPCB(MoED&CC)/2023- 24/1098/ESE). Project cost is Rs. 11.68 lakh. Funding agency is CPCB (MoED& CC). DoS: 26.03.2024 .
- Engagement of technical consultant for Study and Provide an Action Plan for 100% Ash Utilization (CONS/7202/2023-24). Project cost is Rs. 11.80 lakh. Funding agency is Lanco Anpara.
- Vetting of Structural Drawing based on Design Week of Major Upgradation and Redevelopment of Ranchi Railway Station of South Eastern Railway. (CONS/7226/2024-25). Project cost is Rs. 11.80 lakh. Funding agency is R K S Construction Pvt Ltd.
- Environmental Sustainability Management Study of the Surjagarh Iron Ore Mining project (CONS/7176/2023-24). Project cost is Rs. 23.60 lakh. Funding agency is Lloyds Metals & Energy Ltd.

Students & Alumni

Active Student Run Societies



Aims of the Society

The Society of Environmental Science and Engineering aims to build a community of students who are strongly motivated to work on the the field of environment and inter related disciplines. The society is formed with an aim to introduce the students to the sea of opportunities associated with the field of Environmental Sciences and Engineering.

Alumni Network

- Mukesh Prasad, Head Environment Manager (RM), Tata Steel
- Setu Goyal, Superintending Engineer (Environment), ONGC
- Abhijit Tiwari, Director-food business, Swiggy
- Abhimanyu Singh Shekhawat - Lead HSEF RIL
- Kottaiah Uppalapati, ESG lead, APSEZ
- Varun Jain, Sr Manager, Credit Saison
- Mouna Banda, Availability Performance Advisor, Shell
- Naveen Raja, Deputy Manager in Environment BRBNMPL (RBI)
- Shalu Saxena, Development and RE team, Lead Shell

GATE Results

GATE 2024

- Md Shoaib Akhtar - AIR 33
- Chandan Kumar Tiwary- AIR 41
- Bijayananda Mishra- AIR 128
- Aaradhana- AIR161
- Rahul Kumar- AIR 200
- Soumya Priyadarshini - AIR 256
- Avnish Kr Sinha - AIR 471

Competitions Conducted by Branch

- Green Energy Enigma (2023) - An Inter and Intra-College Competition with a prize pool of worth 10000/- and goodies.
- Green n Sustain (2022) - An Inter and Intra-College Competition with a prize pool of worth 10000/- and goodies

Deutscher Akademischer Austauschdienst (DAAD) Scholars:

- Keerthana A S was selected in the Technical University, Dresden, Germany and her research area was Hydroclimatic intensity.
- Indira Mishra was selected at the Technical University of Munich, Germany and her research area was Air Pollution Modelling.