



**Jamia Millia Islamia**  
**जामिया मिल्लिया इस्लामिया**

(A Central University by an Act of Parliament)  
 NAAC Accredited 'A++' Grade

**Information Brochure 2023-24**



**DEPARTMENT OF CIVIL ENGINEERING**

Faculty of Engineering & Technology,  
 Jamia Millia Islamia,  
 Maulana Mohammad Jauhar Ali Marg,  
 Jamia Nagar, New Delhi-110025



601-800



751-800



<https://www.jmi.ac.in/civil>

The Department of Civil Engineering is one of the oldest and largest departments within the Faculty of Engineering and Technology. It has produced numerous distinguished engineers who have made significant contributions to the planning and execution of major civil engineering projects both in India and abroad.

The department's research programs are supported by various agencies, including the Ministry of Human Resource Development (MHRD), the Department of Science and Technology (DST), the Ministry of Environment and Forests (MoEF), the Central Pollution Control Board (CPCB), the All India Council of Technical Education (AICTE), the University Grants Commission (UGC), the Ministry of Steel, and the Ministry of Urban Development.

Major research areas within the department include sustainable development, low-cost sanitation, water treatment and quality modeling, reuse of concrete, applications of GIS in the environment, vulnerability assessment, seismic analysis of structures, retrofitting, soil-structure interaction, and hydroclimatology.

Leading multinational corporations and public sector organizations regularly recruit our students, and many have also been selected for Engineering Services. Additionally, several alumni have furthered their education abroad.

The Department is committed to continuous improvement and strives for excellence by exploring new frontiers of knowledge, imparting the latest technical knowledge to students, and conducting high-quality research.

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## VISION



To emerge as center of excellence for education and research in civil engineering and to produce professionally competent and ethically sound engineers of global standards, ready to serve the community and the nation with dedication.

## MISSION

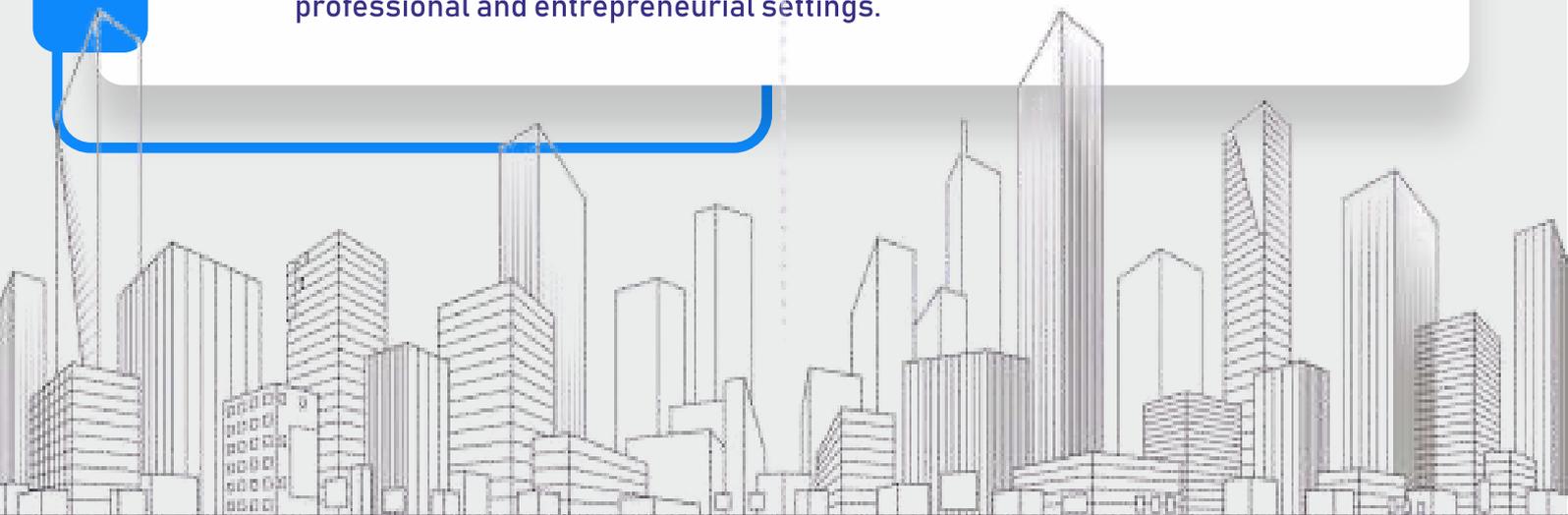


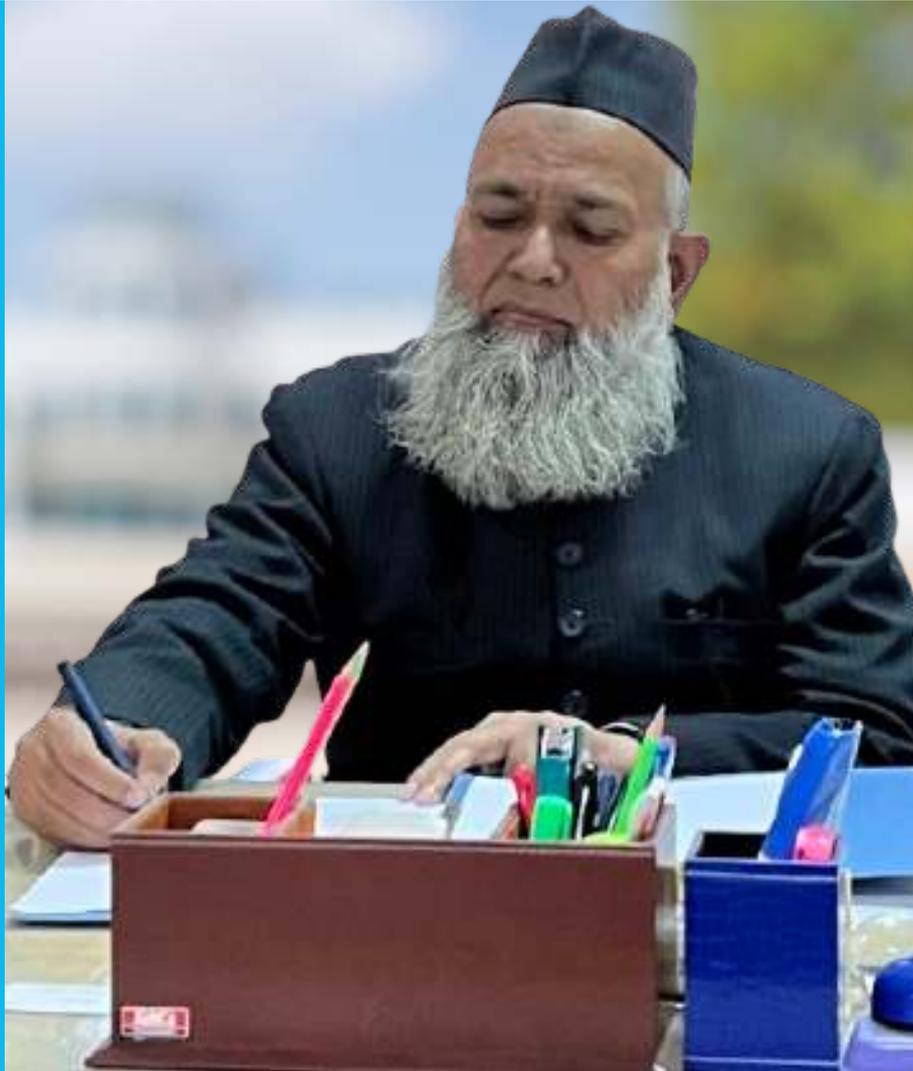
To provide rigorous hands-on civil engineering education through learner centric teaching pedagogy.  
Establish state-of-the art facilities for teaching and research in civil engineering domain.  
Motivate students to develop low-cost and sustainable ethical solutions to problems faced by the society.  
Provide opportunities to students to enable them to develop leadership and interpersonal skills.

## PEOS



The graduates shall demonstrate the ability to use professional skills including software tools and computational methodologies for the analysis, design, and management of infrastructure projects.  
The graduates shall practice high ethical values and effective communication skills so as to participate as a member of a multidisciplinary team working on various projects.  
The graduates shall continue lifelong learning and take up leadership roles in professional and entrepreneurial settings.





### From the Head of Department's Desk

It is my pleasure to welcome you to this edition of our Annual Civil Engineering Department Information Brochure. This publication celebrates the remarkable growth in academics, research, and industry collaborations. These achievements reflect the dedication of our faculty, the enthusiasm of our students, and the support of our alumni and industry partners.

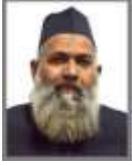
Our faculty members continue to contribute to groundbreaking research, and our students have made us proud by excelling in national and international competitions. We are also delighted to highlight our recent industry partnerships and guest lectures by renowned professionals, which have enriched our students' learning experience.

As we look ahead, we remain committed to fostering innovation, sustainability, and excellence in civil engineering. I encourage all of you to actively participate in departmental activities, contribute ideas, and collaborate towards building a better future.

Thank you for your continued support. Let us keep pushing the boundaries of engineering together!

**Prof. Farhan Ahmad Kidwai**

## FACULTY / EXPERTISE



**Dr. Farhan Ahmad Kidwai**  
Professor & HoD  
Transportation Engineering



**Dr. Mohammad Shakeel**  
Professor  
Water Resources Engineering



**Dr. Gauhar Mehmood**  
Professor  
Engineering Geology



**Dr. Shamshad Ahmed**  
Professor  
Remote Sensing & GIS



**Dr. Nazrul Islam**  
Professor  
Structural Engineering



**Dr. Quamrul Hassan**  
Professor  
Water Resources Engineering



**Dr. Mohammad Sharif**  
Professor  
Water Resources Engineering



**Dr. Syed Mohammad Abbas**  
Professor  
Geotechnical Engineering



**Dr. Asif Husain**  
Professor  
Structural Engineering



**Dr. Naved Ahsan**  
Professor  
Environmental Engineering



**Dr. Kafeel Ahmad**  
Professor  
Environmental Engineering



**Dr. Azhar Husain**  
Professor  
Water Resources Engineering



**Mr. Ziauddin Ahmad**  
Associate Professor  
Soil Mechanics



**Dr. Sayed Mohammad Muddassir**  
Associate Professor  
Urban Planning



**Dr. Mohammad Umair**  
Assistant Professor  
Structural Engineering



**Dr. Abid Ali Khan**  
Assistant Professor  
Environmental Engineering

## Administrative Position held by Faculty Members in the University

**Prof. Farhan Ahmad Kidwai**  
Chairman- Central Purchase Committee

**Prof. Quamrul Hasan**  
Chief Media Co-Ordinator

**Prof. Asif Husain**  
Prof InCharge  
Building and Construction Department

**Prof. Kafeel Ahmad**  
Dean- Research & Innovation

**Prof. Azhar Husain**  
Senior Warden- A.M. Khwaja Hostel

**Prof. Akil Ahmad**  
Senior Warden- Ambedkar Hostel

**Dr. Syed Shakil Afsar**  
Warden- Ambedkar Hostel

**Dr. Ibadur Rahman**  
Assistant Proctor & Assistant RTI Officer



**Dr. Akil Ahmed**  
Professor  
Structural Engineering



**Dr. Syed Shakil Afsar**  
Assistant Professor  
Environmental Engineering



**Dr. Ibadur Rahman**  
Assistant Professor  
Structural Engineering

## CONTRACTUAL & GUEST FACULTY



**Dr. Md. Imteyaz Ansari**  
Assistant Professor  
Structural Engineering



**Dr. Nabeel Ahmed Khan**  
Assistant Professor  
Structural Engineering



**Dr. Mohd. Aamir Mazhar**  
Assistant Professor  
Environmental Engineering



**Dr. Md. Arif Faridi**  
Assistant Professor  
Structural Engineering



**Dr. Adnan Qadri**  
Assistant Professor  
Environmental Engineering



**Dr. Saba Shamim**  
Assistant Professor  
Structural Engineering

## ACCREDITATION

The Bachelor of Technology in Civil offered by Jamia Millia Islamia is accredited by National Board of Accreditation (NBA) Government of India who promotes International quality standards for technical education in India.

Jamia Millia Islamia accredited by NAAC grade A++

## COLLABORATION

International collaboration with University of Erfurt (Germany)

ASCE student chapter, JMI

IGS student chapter, JMI

## PARTICIPATION

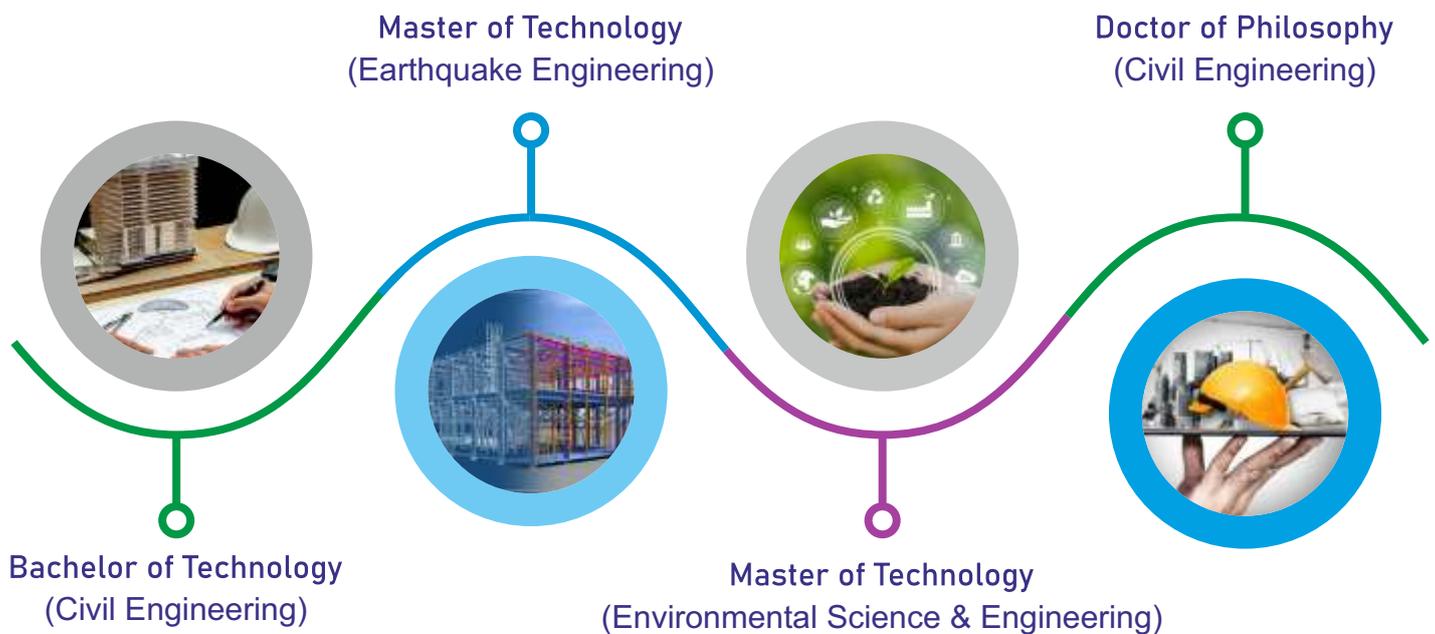
Department actively participated in all Government initiative such as:

Vigilance Awareness

Swachhta Abhiyan

Digital India etc,

## PROGRAMMES OF STUDY



### 1 Undergraduate Programme

**B.Tech.  
Civil Engineering**

INTAKE - 70

### 2 Postgraduate Programmes

**M.Tech.  
Earthquake Engineering**

INTAKE - 18

**M.Tech.  
Environmental Science  
& Engineering**

INTAKE - 12

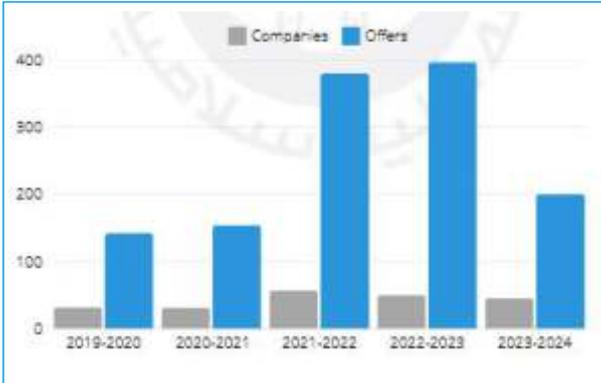
### 3 Doctoral Programme

**Ph.D.  
In all major domain of  
Civil Engineering**

INTAKE  
As per available vacancy

# PLACEMENT

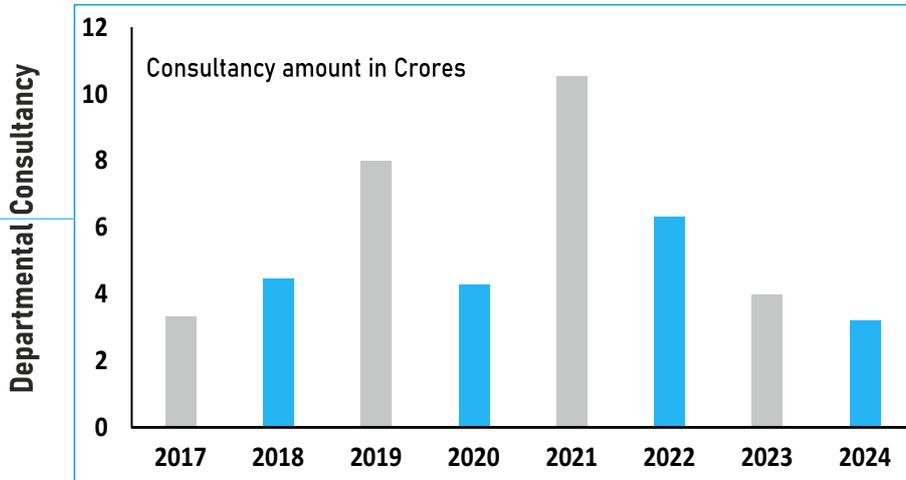
No. of Companies vs No. of Offers



# STATISTICS

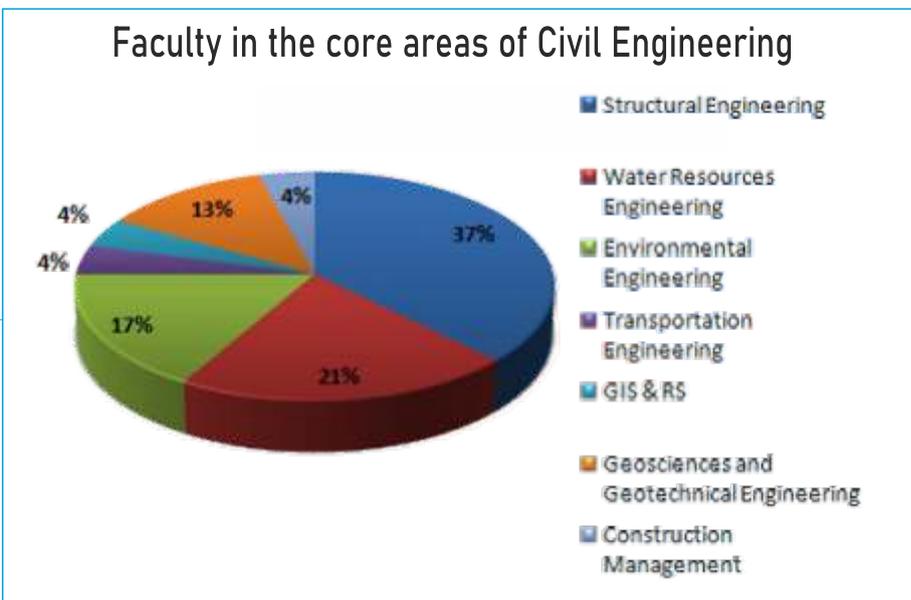


Avg Package vs Year (LPA)



Citations	2022	2023	2024
	10275	12823	14166

h-Index of Google Scholar	2022	2023	2024
	46	52	61



## RESEARCH PROJECT & RESEARCH AREA

Investigator	Title & Duration	Amount	Funding Agency
Dr. Abid Ali Khan	A Micro-Aerobic UASB Process (2023-2028)	3.5 Crores	Ministry of Jal Shakti

The Department strongly believes in continuous efforts to strive for excellence by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students, and conducting high-quality research.

**Advance Dynamics (Research Lab)**



**MiTE Lab (Research Lab)**

### Major area of research includes:

- System engineering and system dynamics
- Comprehensive water resource planning and management
- Disaster mitigation and vulnerability assessment
- Sustainable development
- Application of GIS and remote sensing in CE
- Hydro-climatology
- Engineering materials
- Transportation engineering
- Flood studies & Risk analysis, Drought studies
- Water Conservation & Rain Water Harvesting
- Low cost sanitation and water treatment; STP
- Soil-Structure Interaction
- Nano materials
- Storm water and drainage system
- Off-shore structure
- Retrofitting of Structures
- Construction management
- Air, water and noise quality modelling
- Solid waste management
- Seismic analysis of R.C.C, masonry structures ;
- Non-destructive testing

## ALUMNI ENGAGEMENT – Partial List

**Mr. Puneet Ahjua**  
B.Tech (Civil) 2004  
CEO,  
Droisys Incorporation, USA

**Mr. Maqsoode Nazar**  
B.Tech (Civil)  
Director,  
NNC Design International

**Mr. Snjeev Goel**  
B.Tech (Civil) 1991  
CEO,  
Droisys Incorporation, USA

**Mr. Hemant Kumar**  
B.Tech (Civil)  
Chief Engineer,  
ONGC INDIA

**Mr. Aayush Kumar**  
B.Tech (Civil)  
IES,  
Indian Railways, INDIA

**Mr. Saleem Ahmed**  
B.Tech (Civil)  
Director  
NBCC

**Dr. Sadiqa Abbas**  
B.Tech (Civil)  
Professor, D/o Civil Engineering  
Manav Rachna University

**Mr. Mirza Quamrul Hasan Beg**  
BE(Civil) 1997  
Chairman,  
Jamia Cooperative Bank Ltd. Delhi

**Dr. Seema**  
B.Tech (Civil)  
Professor HoD,D/o Civil Engg.  
Chandigarh University. INDIA

**Dr. Samina Raja**  
B.Tech (Civil)  
Professor ,  
University of Buffalo, USA

**Ms Karishma Bhatnagar**  
B.Tech (Civil)  
IES,  
CPWD, INDIA

**Mr. Vikram Pant**  
B.Tech (Civil)  
IES,  
Indian Railways, INDIA

**Prof. Mohd Ashraf Iqbal**  
B.Tech (Civil)  
Professor,  
IT Roorkee, INDIA

**Mr. Md Parwez Alam**  
B.E (Civil)  
Entrepreneur  
Alsai Construction Inc, USA

**Md. Shamsuzzoha**  
B.Tech (Civil) 1996  
Director (Technical)  
CASTA Engineers Pvt Ltd. INDIA

**Mr. Anshu Gupta**  
B.Tech (Civil)  
Additional Vice President & Head  
Tata Projects Limited, INDIA

## RESEARCH PUBLICATIONS

### PATENTS

#### Name of Inventor(s)

Abdul Ahad, Prof. Farhan Ahmad Kidwai, Dr. Mohammed Asim, C.P. Chandra Sekharan, Dr. Mohammad Atif Siddiqui

**Title of Patent** : OPAM- Optimal parking allocation model  
**Filing Office** : Department of Industrial Policy and Promotion, India  
**File Number** : 202311067294

#### Prof. Asif Husain, Sagar Paruthi, Dr. Ibadur Rahman

**Title of Patent** : Composition of a Geopolymer concrete mixture  
**Filing Office** : German Patent and Trademark Office  
**File Number** : C04B 28/08

### KEY PUBLICATIONS - Partial List

Ahmad, N., & Hassan, Q. (2025). Ecosystem services linked to nature-based solutions for resilient and sustainable cities in India. *Frontiers in Water*, 6, 1504492. <https://doi.org/10.3389/frwa.2024.1504492>

Haque, F., Kidwai, F. A., & Khan, Mohd. S. (2024). A comprehensive study of pedestrian safety behaviour at urban signalised T-intersections. *Transportation Planning and Technology*, 47(5), 709–727. <https://doi.org/10.1080/03081060.2024.2315146>(IF 1.3)

Baig, M. A., Ansari, M. I., Islam, N., & Umair, M. (2024). Probabilistic damage evaluation of isolated steel box-girder bridge excited by near-field earthquakes. *Soil Dynamics and Earthquake Engineering*, 184, 108869. <https://doi.org/10.1016/j.soildyn.2024.108869>

Sharif, M (2024). Shear capacity analysis of fiber reinforced polymer concrete beams. *Discov Civ Eng* 1, 121. <https://doi.org/10.1007/s44290-024-00127-2>

Arfin, M.A., Abbas, S.M. (2024). Landslide Mitigation Using Different Slope Stability Techniques - A Review. In: Sajjad, H., et al. *Landslide Risk Assessment and Mitigation in India. LRAMI 2022. Springer Proceedings in Earth and Environmental Sciences*. Springer, Singapore. [https://doi.org/10.1007/978-981-97-5485-4\\_17](https://doi.org/10.1007/978-981-97-5485-4_17)

Jain, N., Hussain, A (2024). Cost comparison and numerical investigation of voided slab using Abaqus for different shapes and sizes of void formers with conventional rebar replaced with GFRP rebar. *Asian J Civ Eng* 25, 3317–3328. <https://doi.org/10.1007/s42107-023-00981-y>

Alam, M. M., Ahmad, K., & Alam, M. (2024). Physio-chemical Characterisation of Dumped Solid Waste. *Environmental Research and Technology*. <https://doi.org/10.35208/ert.1460374>

Verma, N., Singh, G. & Ahsan, N (2024). Water quality modeling-based assessment for the scope of wastewater treatment of the urban reach of River Yamuna at Delhi, India. *Environ Monit Assess* 196, 155 (2024). <https://doi.org/10.1007/s10661-024-12315-9>

The department has well equipped laboratories in different fields of Civil Engineering along with State of Art experimental facilities.



## LABORATORIES & EXPERIMENTAL FACILITIES

### Hydraulics Laboratory

### Survey Laboratory



Survey Lab

Hydraulics Laboratory

Engineering Materials Lab

Soil Mechanics Lab

### Engineering Materials Laboratory

### CAD Laboratory

### Engineering Geology Laboratory

### Structure Laboratory



Structures Lab

### Soil Mechanics Laboratory

### Transportation Laboratory

Environmental Engg Lab

### Environmental Engineering Laboratory (UG / PG)

### Lab MiTE - Research Lab

### Advance Dynamics Laboratory (Research)

### Structural Dynamics Laboratory (PG / Research)



Transportation Lab



Open Channel



UTM Machine



Hydrology Apparatus



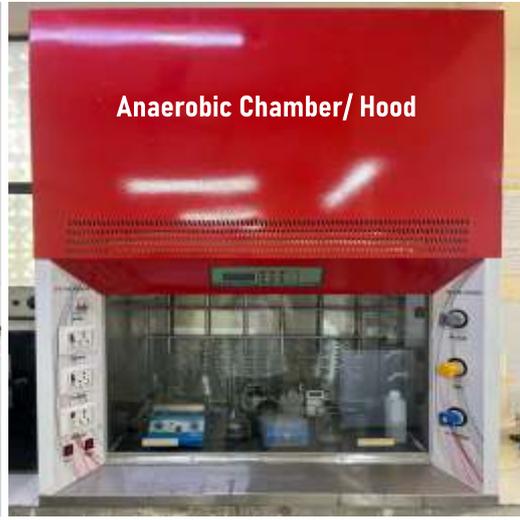
Beam Testing Machine



Compression Testing Machine



Total Station (Nikon DTM-521)



Anaerobic Chamber/ Hood

# Machines

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# Equipment

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# Instruments



Smart Board



ABEM Terrameter



Distillation Unit



Three Gang Oedometer



Shake Table



Hardness Testing Apparatus



Ductility Testing Machine



Corrosion Analyzing Instrument

**Indian Geotechnical Society - 09.03.2024**  
**JMI : Student Chapter**

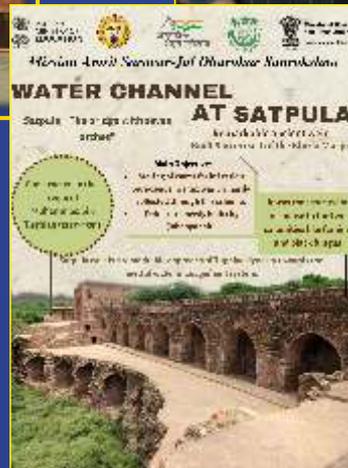
The Indian Geotechnical Society (IGS) aims at promoting co-operation amongst engineers and scientists for the advancement and dissemination of knowledge in the fields of Soil Mechanics, Foundation Engineering, Soil Dynamics, Engineering Geology, Rock Mechanics, Snow and Ice Mechanics and allied fields and their practical applications.

It provides a common forum for academicians, research workers, designers, construction engineers, equipment manufacturers and others interested in geotechnical activity.



**AICTE Mission - 01.07.2022 to 15.08.2022**  
**Amrit Sarovar Jal Dharohar Sanrakshan internship**

Honble Prime Minister, as part of the commemorative celebration of the 75th anniversary of our independence, envisioned protecting traditional water bodies for ensuring water security of cities by involving youth and the community. Bearing this vision in mind, the Government of India has launched "Mission Amrit Sarovar - Jal Dharohar Sanrakshan".



Institute Nodal Officer, Prof Quamrul Hasan interacts with M.Tech. & B.Tech. Students during a Visit to the Water Channel at Satpula

**Survey Camp - 2024**

Jamia Millia Islamia Campus & Mussoorie, Utrakhand

The main objective of the survey camp is to provide knowledge of the practical implementation of different survey works.

The object of surveying is the preparation of plans and topographical maps of the area.



# EVENTS

Swachhata Pakhwada is an initiative by the Indian government to promote cleanliness and sanitation across various sectors of society. Department of Civil Engineering, JMI observed Swachhata Pakhwada-2024 to drive and promote awareness towards Garbage Free India.

## Swachhata Pakwada 30 Sept 2024



At the Department of Civil Engineering, we are committed to developing a sustainable and eco-friendly campus that promotes academic excellence while prioritizing environmental responsibility. In celebration of World Environment Day, we organized a plantation drive on the campus of JMI.

## World Environment Day 5 June 2023



In support of the government's initiative, we at the Civil Engineering Department of JMI actively participated in Vigilance Awareness Week by collectively taking a pledge. This pledge signifies our commitment to fighting corruption and contributing to a better future. By taking this pledge, we are expressing our determination to uphold integrity, transparency, and ethical practices within our academic community and beyond.

## Vigilance Awareness Week 30 Oct - 5 Nov 2023



**Workshop on Analysis and Design of Bridges - 04.05.2024**



**Lectures on Demolition of Building and Pile Foundation - 01.09.2023**



**Webinar on Internship and placement guidance - 18.11.2023**



**Lecture on Entrepreneurship, Innovation and Startups - Challenges and Opportunities 22.02.22**



**Special lecture on Career/New Perspectives for Civil Engineers in Metaverse/ Virtual Reality and Space & Satellite Sectors - 26.04.2022**



**National Seminar on Seismic Microzonation And Disaster Mitigation 19.01.2023**



**Lecture on Climate Change and Role of Engineers in building a Sustainable Future 18.10.2022**

# ACADEMIC EXCHANGE PROGRAM

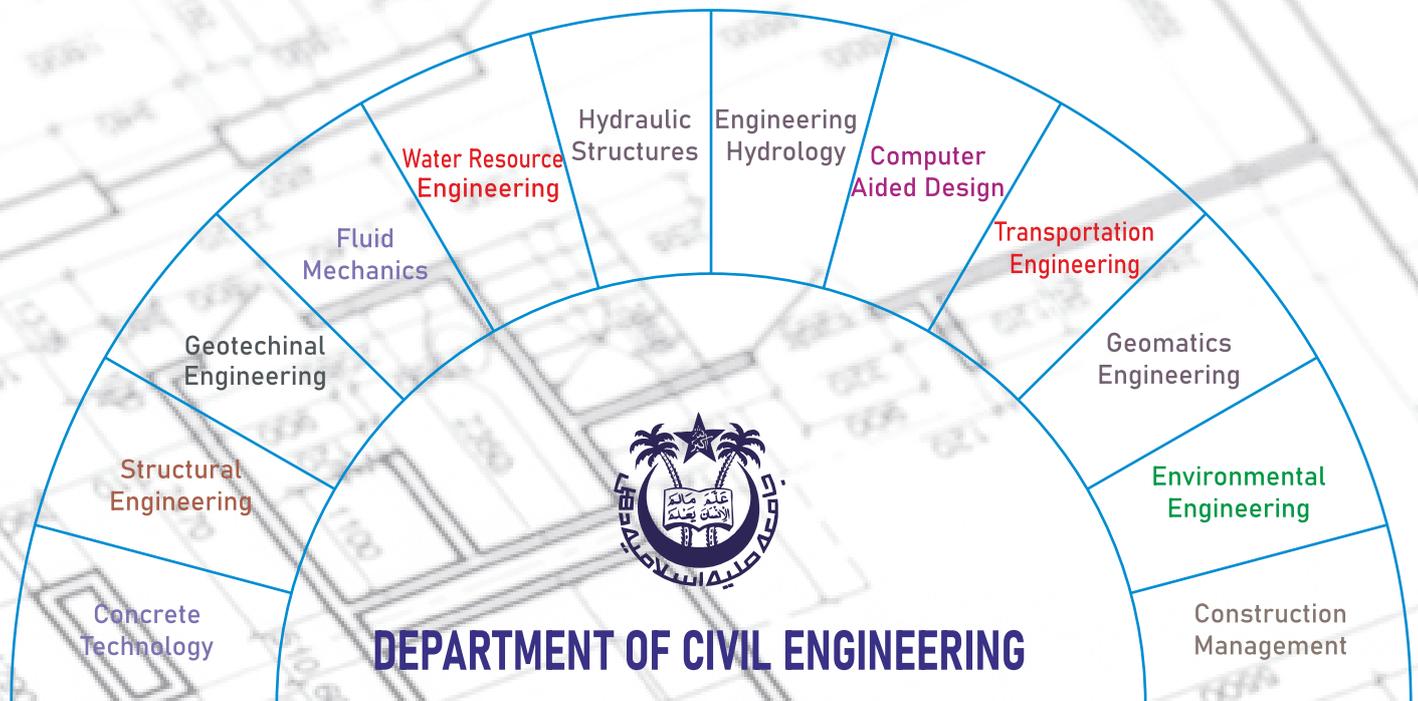
University of Erfurt (GERMANY) Delegation  
visit to Department of Civil Engineering, JMI  
20-27 September 2024



University of Erfurt (GERMANY) Delegation  
visit to Department of Civil Engineering, JMI  
1 - 10 June 2024

The Civil Engineering Academic Exchange Program at Jamia Millia Islamia: Immerse yourself in German engineering and culture.





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Faculty Members - DoCE

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**Faisal Ashraf**