



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.

Vision & Mission PEOS	2
Message from Head of Department	3
Faculty / Expertise	4
Accreditation & Programmes of Study	5
Participation in Government Drive & Collaboration	5
Statistics	6
Research Project & Areas	7
Alumni Engagement	7
Research Publications	8
Laboratories & Experimental Facilities	9
Events	11
Workshop, Extension Lectures & Seminars	13
Academic Exchange Program	14

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

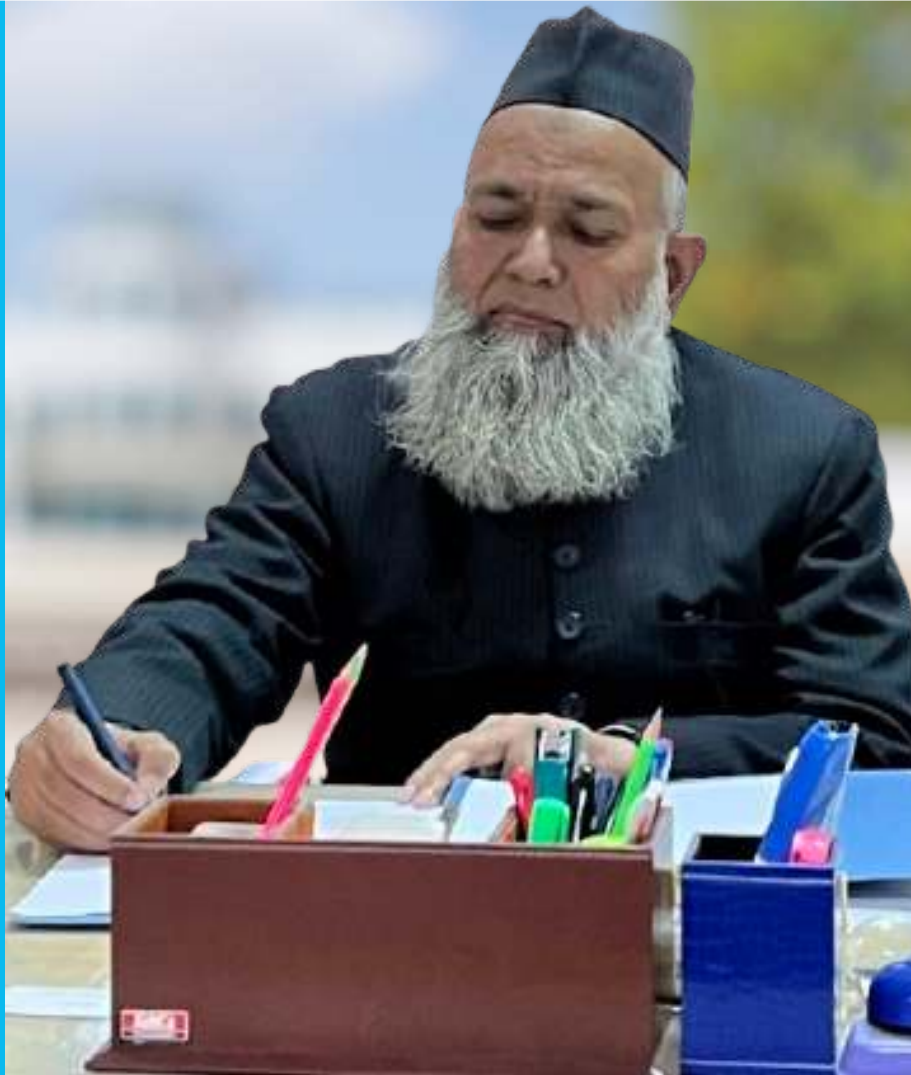


To provide rigorous hands-on civil engineering education through learner centric teaching pedagogy.
Establish state-of-the art facilities for teaching and research in civil engineering domain.
Motivate students to develop low-cost and sustainable ethical solutions to problems faced by the society.
Provide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

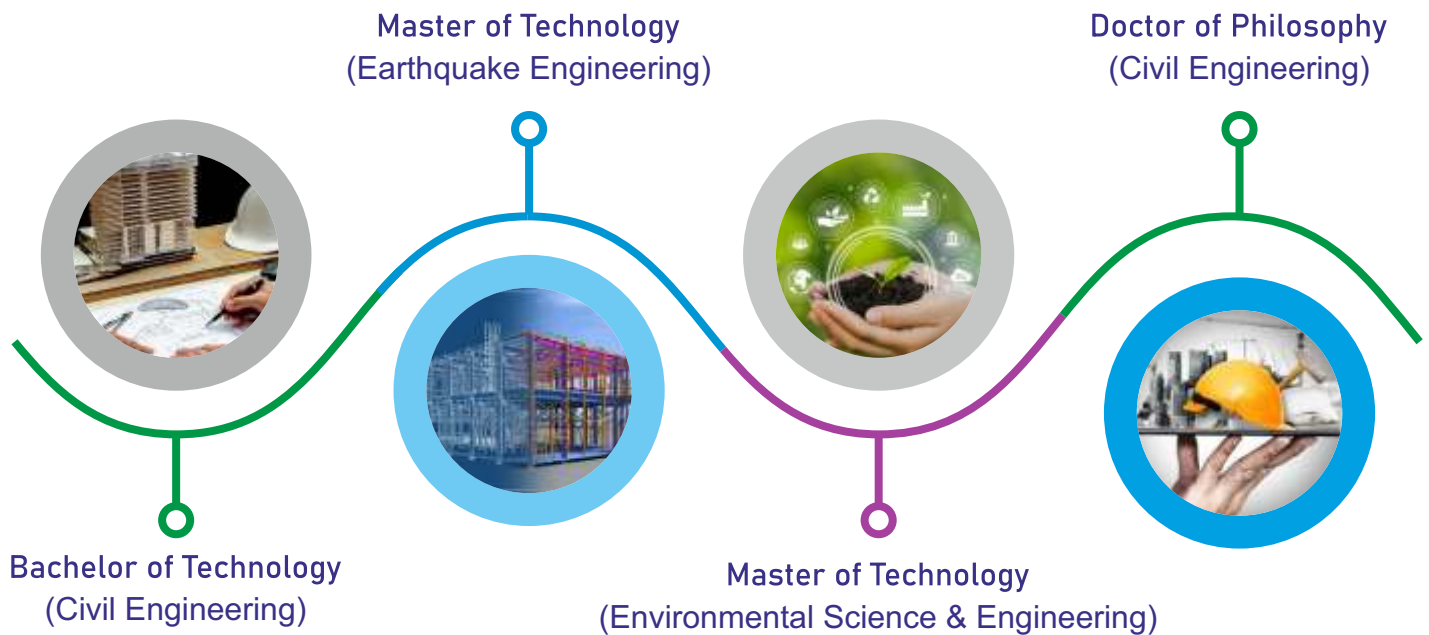
Department actively participated in all Government initiative such as:

Vigilance Awareness

Swachhta Abhiyan

Digital India etc,

PROGRAMMES OF STUDY



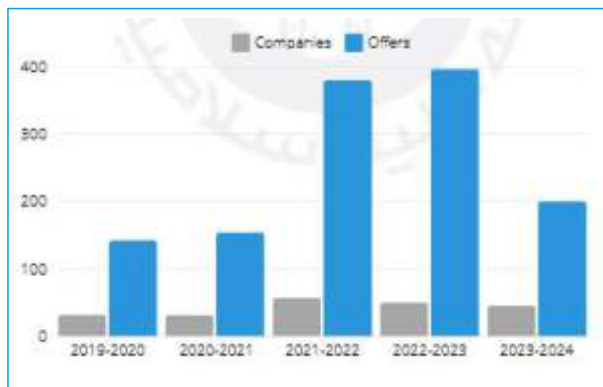
1 Undergraduate Programme
**B.Tech.
Civil Engineering**
INTAKE - 70

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

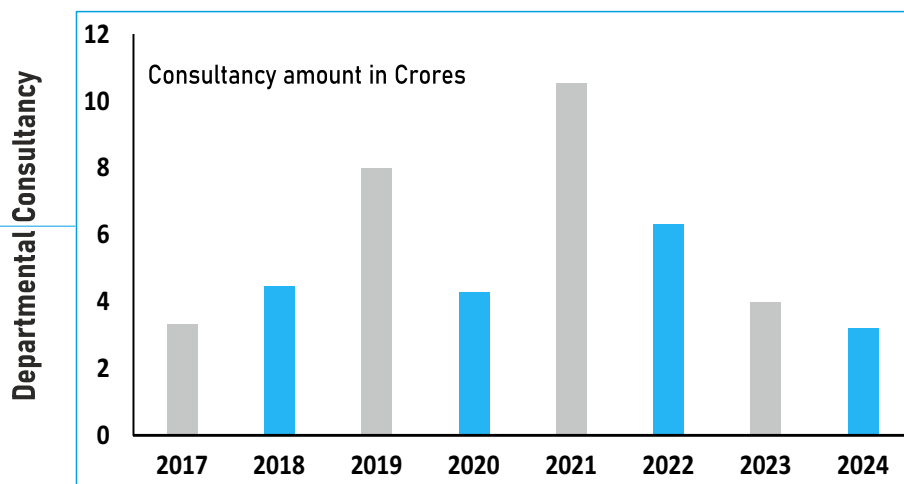
No. of Companies vs No. of Offers



STATISTICS



Avg Package vs Year (LPA)



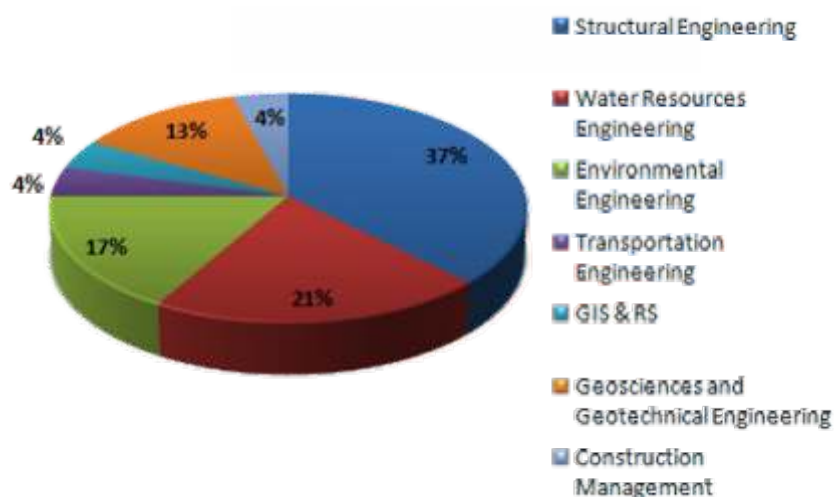
Citations

2022	2023	2024
10275	12823	14166

h-Index of Google Scholar

2022	2023	2024
46	52	61

Faculty in the core areas of Civil Engineering



PLACEMENT

CONSULTANCY

CITATIONS

h-INDEX of
GOOGLE SCHOLAR

FACILITIES
in the

CORE AREAS
of
CIVIL ENGG

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

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



Transportation Lab

Environmental Engg Lab



Environmental Engineering Laboratory (UG / PG)

Lab MiTE - Research Lab

Advance Dynamics Laboratory (Research)

Structural Dynamics Laboratory (PG / Research)



Open Channel



UTM Machine



Hydrology Apparatus



Beam Testing Machine



Compression Testing Machine



Total Station (Nikon DTM-521)



Anaerobic Chamber/ Hood



Smart Board



ABEM Terrameter

Machines

Equipment

Instruments



Distillation Unit



Three Gang Oedometer



Shake Table



Hardness Testing Apparatus



Ductility Testing Machine



Corrosion Analyzing Instrument

EVENTS

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.



Survey Camp - 2024

Jamia Millia Islamia Campus & Mussoorie, Uttarakhand

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.



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



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

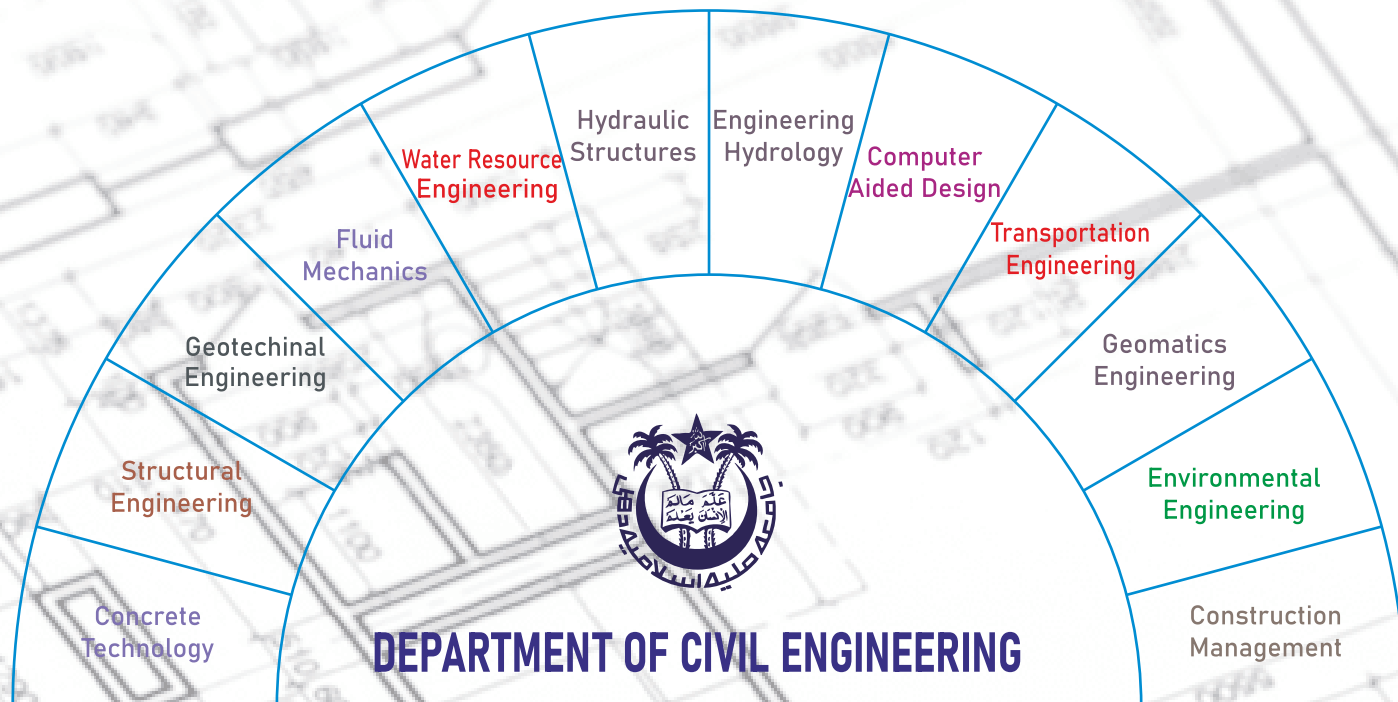
University of Erfurt (GERMANY) Delegation
visit to Department of Civil Engineering, JMI
20-27 September 2024



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.





Faculty of Engineering & Technology
Jamia Millia Islamia
New Delhi - 110025

011-26985227
civil@jmi.ac.in



Faculty Members - DoCE

Design & Layout by
Faisal Ashraf