About the DEPARTMENT

The Civil Engineering Department is one of the oldest departments of the Institute and was established in 1961. The initial journey was concentrated towards setting up the UG program [B. Tech in Civil Engineering] followed by M.Tech Programs in eight specializations. The Department also offers Ph.D. and M.S.[Research] Programmes in different frontier areas of research. The Department excels in sponsored research and industry driven consultancy projects. It is actively involved in organizing short courses, workshops and seminars for practising engineers and also in curriculum development activities.

The journey, so far, has been the result of hard work put in by the faculty, the staff, the students with support of the Institute level administration. At present, the Department is located at Block IV and V occupying nearly 4900 sq.m of covered area on the campus.

VISION

The Civil Engineering Department at IIT Delhi strives to become a leader in imparting quality education rooted in engineering basics and performing cutting edge interdisciplinary research in Infrastructure & Built Environment, to improve and maintain the quality of life in safe and sustainable manner.
• About the department  2
• Academic programs  4
• Bachelor of technology  5
• Master of technology  6
  • Construction engineering and management  6
  • Construction technology and management  7
  • Geotechnical & geoenviromental engineering  8
  • Transportation engineering  9
  • Structural engineering  10
  • Rock engineering & underground structures  11
  • Environmental engineering & management  12
  • Water resources engineering  13
• MS [Research]  14
• Ph.D Programme  15
• Research and publications  16
• Sponsored and consultancy projects  17
• Facilities and rewards  18
• Faculty profile  19
• Civil engineering forum  20
• Past recruiters  21
• Placement procedure  22
• Contact information  23
ACADEMIC PROGRAMS
Civil Engineering department

**UG**
Undergraduate Program - B.Tech.
U.G. Co-Ordinator: Prof. B.R. Chahar

**PG**
Postgraduate Programs - M.Tech.

- M.Tech. in Construction Engineering and Management
  Program Co-Ordinator: Prof. J. Uma Maheswari

- M.Tech. in Construction Technology and Management [L&T Sponsored]
  Program Co-Ordinator: Prof. K.N. Jha

- M.Tech. in Geotechnical and Geoenvironmental Engineering
  Program Co-Ordinator: Prof. Prashanth Vangla

- M.Tech. in Transportation Engineering
  Program Co-Ordinator: Prof. Nezamuddin

- M.Tech. in Structural Engineering
  Program Co-Ordinator: Prof. Arnab Banerjee

- M.Tech. in Rock Engineering and Underground Structures
  Program Co-Ordinator: Prof. Bappaditya Manna

- M.Tech. in Environmental Engineering and Management
  Program Co-Ordinator: Prof. Gazala Habib

- M.Tech. in Water Resources Engineering
  Program Co-Ordinator: Prof. C.T. Dhanya

- M.S. [Research]
  Program Co-Ordinator: Prof. K.N. Jha

- Ph.D.
  Program Co-Ordinator: Prof. K.N. Jha
Bachelor of Technology in
CIVIL ENGINEERING

The Department offers B.Tech. degree to eligible candidates, which is a four year undergraduate programme. The students have a wide variety of core and elective courses to choose from. After completing the broad based core courses, each student chooses an elective course in his/her area of special interest from amongst the streams of Construction Engineering and Management, Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering and Water Resources Engineering. The students undergo field trips, industry oriented practical training and colloquium and final year project as a part of the undergraduate programme. Each year more than 100 students join this prestigious programme.

Batch 2019-23
Total no. of students 106

COURSEWORK
- Elements of Surveying
- Engineering Geology
- Engineering Geology Lab
- Civil Engineering Materials
- Environmental Engineering
- Soil Mechanics
- Soil Mechanics Lab
- Structural Analysis
- Structural Analysis Lab
- RC Design
- Structures & Material [Concrete] Lab
- Construction Practices
- Construction Management
- Transportation Engineering
- Transportation Engineering Lab
- Hydraulics
- Hydraulics Lab
- Engineering Hydrology
- Geotechnical Engineering
- Geotechnical Engineering Lab
- Steel Design
- Structures & Material [Steel] Lab
- Design of Hydraulic Structures
- Structural Design & Detailing

SOFTWARES
- AutoCAD
- Staad- PRO
- MS Office
- MATLAB
- Prezi
Construction engineering & management specialisation of the department of civil engineering at the Indian Institute of technology Delhi has been a pioneer in the field of construction management both at the core as well as the research end. Equipped with the best faculty, the program offers students to develop a streamlined expertise in various aspects of project management. The program has developed a huge research base, industry connections and has produced good project managers which contribute to a good alumni base.

**INTERESTED SECTORS**

- Project Management
- Real Estate Management
- Valuation
- Financial Modelling & Analysis
- Site management
- Infrastructure Management
- Capital Investment Consultancy
- Design management
- Project and strategic consulting
- Sustainable Project Management
- Business Development and Analytics

**COURSEWORK**

- Construction project management
- Quantitative methods in operations
- Construction contract management
- Construction economics & finance
- Infrastructure management
- Quality and safety in construction
- Concrete technology
- Construction practices & equipment
- Building science
- Building services & management
- Formwork design
- Computational Laboratory in Construction
- Digital Design & Construction

**SOFTWARES**

- Autodesk Navisworks
- MS Project
- Primavera
- Revit
- TORA
- MS Office
- MATLAB
- TiLOS
Master of Technology in
CONSTRUCTION TECHNOLOGY
AND MANAGEMENT

[L & T Sponsored - BIS]

Construction Technology & management specialisation of the department of civil engineering at the Indian institute of technology Delhi admits students through L&T’s Build India Scholarship programme. The programme facilitates educating and training of project managers both at the core as well as the research end. Equipped with the best faculty, the program offers students to develop a streamlined expertise in various aspects of project management. The program has a mixed intake of Civil, Electrical and Mechanica engineers who have industry exposure with L&T or freshers.

Batch 2021-23
Total no. of students 30

COURSEWORK

- Construction Project Management
- Quantitative Methods in Construction Management
- Construction Contract Management
- Construction Economics & Finance
- Construction Practices and Equipment
- Computational Laboratory for Construction
- Electrical Systems for Construction Industries
- Building Services and Maintenance Management
- Linear Systems Theory
- Digital Communications
- Modelling of Electrical Machines
- Electrical Systems for Construction Industries
- Wind Energy & Hydro Power System
- Maintenance Planning and Control
- Bulk Materials Handling
- Operations Planning and Control
- Supply Chain Management
- Logistics
- International Business

SOFTWARES

R Studio  MS Project  Primavera
Autocad  Revit  TORA
MS Office  MATLAB  Prezi
The Geotechnical and Geoenvironmental Engineering programme in the Department of Civil Engineering at Indian Institute of Technology, Delhi is dedicated at providing the best level of education and training to emergent professionals. A group of experienced and knowledgable professors are assisted by the fine facilities in guiding the students. The programme has produced a notable alumni base who have proved their proficiency in both industrial and academic arenas.

**INTERESTED SECTORS**
- Geosynthesis production
- Geotechnical
- Soil Engineering
- Retaining Structure Design
- Earthquake Engineering
- Construction
- Academics
- Research

**COURSEWORK**
- Engineering Behaviour of Soils
- Site Investigation and Foundation
- Design
- Finite Element Method in Geotechnical Engineering
- Soil Engineering Lab
- Geoenvironmental Engineering
- Ground Improvement and Geosynthetics
- Slopes and Retaining structures
- Soil Dynamics and Earthquake Geotechnical Engineering
- Constitutive Modelling in Geotechnical Engineering

**SOFTWARES**
- Geostudio
- Plaxis
- Primavera
- Autocad
- StaadPro
- ABAQUS
- MS Office
- MATLAB
- Prezi
Master of Technology in
TRANSPORTATION ENGINEERING

The transportation engineering programme run by the Department of Civil Engineering at the Indian Institute of Technology, Delhi is emerging as a pioneer in the field of transportation. Students are guided by proficient faculty and provided with the finest facilities to become experts of the subject. Through the years, the programme has developed a huge research base and industry connections. The department has produced fine professionals who together constitute a strong alumni base.

INTERESTED SECTORS

- Urban Transportation Management
- Transportation Innovation Analysis
- Transportation Modelling
- Transportation Design Engineering
- Technical Program Management
- Traffic Design
- Pavement Design
- Transportation Planning
- Urban Planning

Traffic Safety
Pedestrian Facilities: Planning & Design

COURSEWORK

- Urban transportation planning
- Traffic engineering
- Pavement analysis and design
- Transportation economics
- Infrastructure management
- Public transportation system
- Traffic flow modelling
- Traffic Safety
- Traffic lab
- Planning lab
- Pavement lab

SOFTWARES

- R Software
- TransCAD
- SPSS
- AutoCAD
- Arc-GIS
- MX road
- MS Office
- MATLAB
- Prezi

Batch 2021-23
Total no. of students 20
Master of Technology in
STRUCTURAL ENGINEERING

The Structural Engineering Section in the Department of Civil Engineering of IIT Delhi is one of the largest groups in the department. It consists of a group of leading faculty members having extensive theoretical and experimental experience along with a large number of bright and hard-working students and supporting staff. The section provides the best experimental and simulation facility in the country. With these excellent facilities and manpower, the section carries out world-class activities related to teaching, research, development and

**INTERESTED SECTORS**

- Tall Building Design
- Underground Structure Design
- Bridge Design
- Earthquake Analysis and Design
- Structural Analysis
- Steel Structures Design
- Concrete Structures Design
- Academia
- Research

**Batch 2021-23**
Total no. of students 22

**COURSEWORK**

- Advanced Structural Analysis
- Finite Element Methods in Structural Engineering
- Solid Mechanics
- Structural Dynamics in Structural Engineering
- Theory of Concrete Structures
- Theory of Steel Structures
- Earthquake Analysis and Design
- Advanced structural design

**SOFTWARES**

- Autocad
- Staad pro
- Sap2000
- MS Office
- MATLAB
- Prezi
Master of Technology in
ROCK ENGINEERING &
UNDERGROUND STRUCTURES

The Rock Engineering and Underground Structures programme of Department of Civil Engineering in Indian Institute of Technology, Delhi is one of the oldest programmes in the department. It is committed at producing professionals who can perform well both in research and industrial fields. The students are guided by a well-experienced group of faculty, and are provided with finest facilities to produce the eminent alumni base. Recently, the department has performed a SCAN LINE SURVEY FOR METRO PROJECT, adding another feather to its achievements.

INTERESTED SECTORS

- Rock Mechanics
- Underground Structure analysis and Design
- Slope Stability Management
- Structural Geology
- Underground Space Technology
- Metro Construction
- Finite Element Method Applications

Batch 2021-23
Total no. of students 29

COURSEWORK
- Engineering Properties of Rocks and Rock Masses
- Structural Geology
- Slopes and Foundations
- Analysis and Design of Underground Structures
- Rock Mechanics
- Finite Element Method
- Excavation Methods & Underground Space Technology
- Field Exploration & Geotechnical Process
- rock mechanics laboratory

SOFTWARES

- FLAC 2D/3D
- UDEC
- Dips
- AutoCAD
- Examine 2D
- MS Office
- MATLAB
- RS2
The post-graduate program in the Environmental engineering and management at IIT Delhi aims to address the pressing need of research and development for major industrial and government sector. Equipped with the best faculty, the program offers students to develop a streamlined expertise in various aspects of water treatment, waste management, modelling, Simulation and Optimisation of Environmental Systems.

The program has developed a huge research base, industry connections and has dealt with many groundbreaking researches.

**INTERESTED SECTORS**
- Water treatment
- Waste management
- Modelling, Simulation and Optimisation of Environmental Systems
- Air Pollution Modelling
- Air and Vehicular Pollution Modelling
- Environmental Impact Assessment
- Local Air Quality, Health and Climate Effects

**SOFTWARES**
- MS Office
- Autocad
- MATLAB

**COURSEWORK**
- Environmental Engineering
- Water Treatment
- Waste Water Treatment
- Modelling, Simulation and Optimisation of Environmental Systems
- Integrated Waste Management
- Environmental Impact Assessment
- Solid Waste Management
- Thermal Techniques for Waste Management
- Air and Vehicular Pollution Modelling

**Batch 2021-23**
Total no. of students
19
A postgraduate programme widens the scope of learning and provides a streamlined approach towards minute aspects of research. The curriculum is designed by keeping in view the needs of the society and the challenging problems faced by the profession. Postgraduate programs and Ph.D program have been developed in Water resources engineering. The program has developed a huge research base, industry connections and has produced working professionals as well as researchers. The course encourages research based works and has produced many ground breaking researches.

**INTERESTED SECTORS**
- Design of clean water networks
- Design of waste water networks
- Design of storm water networks
- River modelling
- Clean water modelling
- Waste water modelling
- Design of slurry pipelines
- CFD modelling

**COURSEWORK**
- Optimization Techniques in Water Resources
- Finite Element in Water Resources
- Stochastic Hydrology
- Advanced Hydraulics
- Groundwater Hydrology
- Hydrologic Processes and Modeling
- Economic Aspects of Water Resources Development
- Groundwater Flow and Pollution Modeling

**SOFTWARES**
- LINGO
- Arc - GIS
- HEC-RAS
- FORTRAN
- EPA-NET
- SWMM
- MS Office
- MATLAB
MASTERS OF SCIENCE (RESEARCH)

The Department of Civil Engineering at Indian Institute of Technology, Delhi offers a Master of Science Program-M.S. (Research). This program is different from a typical M.Tech program in the fraction of course and project/thesis credits. It is a pioneer program that encourages research in the field of civil engineering. Two-thirds of the course credits is a research [thesis] work. To achieve the successful alumni base, the program has today, the students are guided by experienced faculty and provided with a wide range of facilities and resources.

IIT Delhi has adopted major changes in its rules and regulations to enable easy mobility of students from M.S.[R] to Ph.D. program. With the changes, it is now possible for a student to join M.S.[R] at IIT Delhi and then they can apply for change to a PhD program if they feel confident. In this process they save considerable amount of time to complete Ph.D.

2021-23 11

Batch Total no. of students

COURSEWORK

Master of Science (Research) Programme The M.S. [Research] programme comprises of 20 credits of course work [minor project is not allowed] and 40 credits of research work.

The students are allowed to choose from all available courses in the department to suit their project.

The larger project component gives the student an opportunity to conduct in-depth investigation on a topic of his/her interest.

SOFTWARES

AutoCAD STAAD-PRO SAP 2000

MS Office MATLAB ETABS
Doctoral Research is one of the most important programmes in the department. A steady increase in the enrolled students has been observed. The program includes full-time PhD students, project students, part-time researchers, students under QIP (Quality Improvement Programme), and under CEP (Continuing Education Programme). Apart from regular candidates, sponsored and foreign nationals are also allowed candidature.

The award of Ph.D. degree is in recognition of high achievements, independent research and application of scientific knowledge to the solution of technical and scientific problems. Creative and productive enquiry is the basic concept underlying the research work. In order to overcome any deficiency in the breadth of fundamental training or proper foundation for advanced work, special preliminary or pre-Ph.D. courses are given by the Department. These courses are given either by faculty members or by guest-speakers and specialists in the field of research.

CEP IIT Delhi conducts customized programme for industries, government, public sector undertakings, educational institutions, regulatory bodies and other similar organizations. Business leaders and Professionals engaged in different professions have taken advantage of formal coursework, conferences or seminars offered in the classroom to address their educational needs, to remain updated in their fields, learn new skills, change careers or enhance their marketability or improve their businesses and organizations.

The Quality Improvement Programme (QIP) was launched by Government of India in 1970. Since its inception the programme has been endeavouring to improve the quality of technical education in the country. The main objective of the programme is to upgrade the expertise and capabilities of teachers of the AICTE approved degree-level engineering institutions, National Institutes of Technology (NITs) of the country. The programme is now being implemented and monitored by the National QIP Coordination Committee, funded by AICTE [A Statutory Body of the Government of India].
RESEARCH & PUBLICATIONS

DOCTORAL RESEARCH

Doctoral Research is one of the most important programmes in the department. A steady increase in the enrolled students has been observed (including full-time, project students, part-time, QIP, sponsored, and foreign nationals).

PUBLICATIONS

- Academic year 2021-22 journal Publications: 19
- Conference Publications: 5
- Books Published: 19
- Major Books published in 2020:
  - Feasibility of Municipal Solid Waste as a Source of Thermal Energy in the Indian Scenario, Roshni Mary Sebastian, Dinesh Kumar and Babu Alappat

SIGNIFICANT RESEARCH WORKS

- Taking the lead role in India in the development of a new cement known as Limestone Calcined Clay Cement (LC3), as a part of an international initiative.
  - DAAD Faculty Award to conduct research on Surface-Subsurface-Atmosphere feedbacks in Forchungszentrum, Juelich, Germany

- Undertook “Research Excellence Programme USC - India” on "Numerical Analysis of Thermo-Mechanical Behaviour of Indeterminate Steel/RC Portal Frames under Fire" in the 'Grupo de Investigación en Ingeniería Matemática' of the 'Departamento de Matemática Aplicada', funded by the University of Santiago de Compostela (USC) in Spain.
  - Design of Bioreactor Landfill Model
SPONSORED RESEARCH & CONSULTANCY PROJECTS

SPONSORED RESEARCH

- Total no. of projects
  Academic year 2021-23
  17

- Consultancy project for Design of 300 KM long Iron Ore Slurry Pipeline for McLellan and Partners Ltd, Surrey, United Kingdom
- Consultancy project for Design of 450 KM Long Iron Ore Slurry Pipeline from Bailadila (Chhattisgarh State) to Vizag (A.P.) for MECON Limited, Delhi, India

CONSULTANCY PROJECTS

- Total no. of projects
  Academic year 2021-23
  237

- Low Cost Semiconductor and Optical Sensors based Urban Air Quality Monitoring Network System [SENSurAIR] (under UAY scheme), Ministry of Human Resource Development India, PI - Prof. M. Khare, Dept. of Civil Engineering, Amount - Rs. 303.88 Lakhs.
- Energy Efficiency in Green Buildings using Geothermal Pile for Cooling, Department of Science & Technology (DST), India, PI - Dr. T. Chakraborty, Dept. of Civil Engineering, Amount - Rs. 98.89 Lakhs.
- An Integrated Study of Air Pollutant Sources in the Delhi NCR (ASAP Delhi), Ministry of Earth Sciences, India, PI - Prof. M. Khare, Dept. of Civil Engineering, Amount - Rs. 76.73 Lakhs.
- Source Apportionment and Identification of Source Locations for Ambient PM 205 over Ghaziabad using Advanced Factor Analytic Tools, Uttar Pradesh Pollution Control Board, Lucknow, UP, India, PI - Dr. G. Habib, Dept. of Civil Engineering, Amount - Rs. 52.03 Lakhs.
- Awarded with an international sponsored research project titled "Performance-Based Seismic Design Guideline for Buildings Isolated with Cost-Effective FRP-Based Rubber Bearings" between IIT Delhi and the University of British Columbia in Canada by the Shastri Indo-Canadian Institute.
FACILITIES & ACHIEVEMENTS
2022-23

LABORATORY FACILITIES

- **Environmental Engineering**
  Environmental Engineering Lab
  Surveying & Remote Sensing

- **Geotechnical Engineering**
  Computational Geotechnical lab
  Engineering Geology
  Foundation Engineering
  Geodyn
  Geosynthetics & Geoenv. Engg.
  Rock Mechanics & Soil Research
  Soil Engineering

- **Structural Engineering**
  Adv. Dyn. & Heavy Structures
  Concrete Structures
  Construction Simulation
  Construction Technology
  Material Research
  Multi-Hazard Protective Structures
  Smart Structures and Dynamics
  Structural Analysis/Simulation

- **Transportation Engineering**
  Pavement Characterization
  Pavement Materials
  Traffic Engineering

- **Water Resources Engineering**
  GIS
  Simulation/Water Resources
  Rheological characteristics of Slurry

- **Common**
  Computational Laboratory Workshop

FACULTY AWARDS

- NASI - Young Scientist Platinum Jubilee Award 2017
- Young Researcher Award 2017 from Ministry of Earth Sciences
- Faculty Research Award - German Academic Exchange Service (DAAD)
- Humboldt Research Fellowship
- Teaching Excellence Award
- Best Paper Award 2016 [CERI]

CONFERENCES & SEMINARS

- Impacts and Consequences of Changing Climate and Laanduse on Hydrology
- Codification and Design in Regions of Low to Moderate Seismic Activities: overcoming current challenges
- Phenomenological Modelling of Fluid-Flexible Structure Interactions
- Sensor-Based Security and Emergency Management System for Underground Metro Systems during Disaster Events
- SOURCE 2016
- PozzoPro+: A new performance enhancing additive for concrete
- Natural Hazards & Risk
- Sensor-Based Security and Emergency Management System for Underground Metro Systems during Disaster Events
<table>
<thead>
<tr>
<th>Name</th>
<th>Research Interests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ramana G.V. (HOD)</td>
<td>Geoenvironmental Engineering, Geotechnical Earthquake Engineering, Waste Mechanics, Ground Improvement</td>
</tr>
<tr>
<td>Alappat B.J.</td>
<td>Environmental Engineering, Solid Waste Management, Incineration, Fluidised Bed Operations</td>
</tr>
<tr>
<td>Ayyothiraman R.</td>
<td>Soil Dynamics and Earthquake Engineering, Pile Foundations, Deep Excavations in Urban Areas, Problematic Soils and Ground Improvement</td>
</tr>
<tr>
<td>Bhishoi Suresh</td>
<td>Smart Material and Structures, Structural Health Monitoring, Non-Destructive Evaluation, Bio-Mechanics, Engineered Bamboo Structures</td>
</tr>
<tr>
<td>Bishnai Shashank</td>
<td>Cement, Supplementary Cementitious Materials, Concrete, Building Materials, Sustainability, Durability, Repair, Seismic Retrofitting and Strengthening of Structures</td>
</tr>
<tr>
<td>Chahar B.R.</td>
<td>Seepage, Drainage, Canal Design</td>
</tr>
<tr>
<td>Chakraborty Tanusree</td>
<td>Foundation Engineering, Blast Loading in Soil, Soil Plasticity and Constitutive Modeling</td>
</tr>
<tr>
<td>Gupta Ashok</td>
<td>Structural Engineering, Artificial Intelligence, Technology Enhanced Learning</td>
</tr>
<tr>
<td>Jain A.K.</td>
<td>Earthquake Resistant Analysis of Structures, Wind Load Analysis of Structures</td>
</tr>
<tr>
<td>Jha K.N.</td>
<td>Construction Project Management, Project Success Factor, Asset Management, Schedule Cost</td>
</tr>
<tr>
<td>Kesari A.K.</td>
<td>Hydrological and Environmental Modelling, Sustainable Development, Remote Sensing and GIS</td>
</tr>
<tr>
<td>Khosa Rakesh</td>
<td>Water Resources Systems, Stochastic Processes, Conflict Resolution</td>
</tr>
<tr>
<td>Kumar Arun</td>
<td>Human Health Risk Assessment, Nanoparticles, Water Treatment</td>
</tr>
<tr>
<td>Madan Alok</td>
<td>Structural Engineering, Nonlinear Structural Dynamics, Concrete Structures</td>
</tr>
<tr>
<td>Mallick Rajib Basu</td>
<td>Transportation: Pavement Materials, Design and Construction</td>
</tr>
<tr>
<td>Manna Bappadiya</td>
<td>Dynamic Soil-Pile Interaction, Pile Foundation, Machine Foundation, Stability of Reinforced Slopes</td>
</tr>
<tr>
<td>Matsagir Vasant</td>
<td>Multi-Hazard Protection of Structures, Earthquake, Wind, Blast and Fire Engineering</td>
</tr>
<tr>
<td>Nema A.K.</td>
<td>Environmental Engineering, Modelling, Simulation and Optimisation of Environmental Systems, Integrated Waste Management</td>
</tr>
<tr>
<td>Sahoo Dipti Ranjan</td>
<td>Earthquake Engineering, Large Scale Testing, Supplemental Damping and Energy Dissipation Devices</td>
</tr>
<tr>
<td>Shahu J.T.</td>
<td>Geotechnology for Roads and Railway Tracks, Numerical Modelling of Soil Behaviour</td>
</tr>
<tr>
<td>Tewari Geetam</td>
<td>Transport Planning and Policy, Traffic Safety</td>
</tr>
<tr>
<td>Chakma Sumedha</td>
<td>Settlement in Landfills, Gas Generation from Landfills, GIS Based Landfill Management</td>
</tr>
<tr>
<td>Dhanya C.T</td>
<td>Hydroclimatological Modelling, Nonlinear Dynamics and Chaos Theory</td>
</tr>
<tr>
<td>Habib Gazala</td>
<td>Aerosol Monitoring Characterisation and Modelling</td>
</tr>
<tr>
<td>Kota, Sri Harsha</td>
<td>Formation, Transformation and Chemical Mechanisms of Air Pollutants Near Roadways</td>
</tr>
<tr>
<td>Krishnan, N. M. Anoop</td>
<td>Atomistic and Multiscale Simulations of Construction Materials, Mechanics and Physics of Glasses and Cementitious Materials</td>
</tr>
<tr>
<td>Mahewsari J. Uma</td>
<td>Design Management, Matrix-based Design Techniques</td>
</tr>
<tr>
<td>Swamy A.K.</td>
<td>Modelling Behaviour of Asphalitic Materials, Continuum Damage Modelling</td>
</tr>
<tr>
<td>Banerjee Arnab</td>
<td>Metamaterial, Structures, Wave propagation, Nonlinear Dynamics</td>
</tr>
<tr>
<td>Bansal Sahil</td>
<td>Engineering Reliability Estimation, Risk and Loss Modelling, Uncertainty Quantification</td>
</tr>
<tr>
<td>Bhattacharya Debayan</td>
<td>Constitutive modelling of frictional materials, Experimental and computational geomechanics</td>
</tr>
<tr>
<td>Das Sovik</td>
<td>Bioelectrochemistry, Resource Recovery from Waste</td>
</tr>
<tr>
<td>Gupta Supratic</td>
<td>Concrete Mechanics, Self-Compacting Concrete, Constitute Modelling</td>
</tr>
<tr>
<td>Manoj M.</td>
<td>Transportation Planning, Activity/Travel Demand Modelling</td>
</tr>
<tr>
<td>Nezamuddin</td>
<td>Transportation Network Analysis, Transportation Logistics and Optimization</td>
</tr>
<tr>
<td>Saharia Manabendra</td>
<td>Flood Forecasting, Land Surface Modeling, Radar and Satellite Precipitation</td>
</tr>
<tr>
<td>Shirole Deepanshu</td>
<td>Geotechnics, rock mechanics, rock physics, civil build materials, non-destructive evaluation, Biological Wastewater Treatment, Physico Chemical Treatment of Water and Wastewater</td>
</tr>
<tr>
<td>V. Arya</td>
<td>Interface Behavior of Particulate and Continuum Interfaces; Site Characterization and Monitoring</td>
</tr>
<tr>
<td>Bhattacharjee B.</td>
<td>Durability of Concrete, Rebar Corrosion, Cement Based Composites</td>
</tr>
<tr>
<td>Datta Manoj</td>
<td>Geotechnical Engineering, Soil Mechanics, Foundations, Geoenvironment,</td>
</tr>
<tr>
<td>Gosain A.K.</td>
<td>Integrated Watershed Modelling, GIS, Hydrological Modelling</td>
</tr>
<tr>
<td>Khare Mukesh</td>
<td>Air and Vehicular Pollution Modelling</td>
</tr>
</tbody>
</table>
CIVIL ENGINEERING FORUM

The Civil Engineering Forum (CEF) is a non-registered, non-profit organisation within the Department with all activities being coordinated by the students. The members of the forum include the undergraduate and postgraduate students, faculty and researchers of the Department. The CEF has been quite active in providing the students a platform to showcase and sharpen their technical talents and as a medium for interaction with eminent scientists and professionals through a variety of activities planned throughout the year.

A GLIMPSE OF EVENTS

- **Nirmaan** - A technical magazine written enthusiastically by the members

- **DIMENSIONS** - India’s biggest civil engineering students annual festival with over participation of 5000 engineering students from the country

- Technical Events and Seminars by National and International Experts

- Fresher’s Welcome and Orientation

- Farewell to Graduating Students

- Campus ambassador program

- Extravaganza-sports festival

- Open House
Past Recruiters

RITES
ICON
IndianOil
NTPC
Bain & Company
BHEL
dar al-handasah
Deloitte
Reliance Infrastructure
PWC
EY
Building a better
working world
Jaypee
KPMG
McKinsey
WAPCOS
ITC
Fluor
PLACEMENT TEAM 2022-23 CONTACTS

Professors-in-Charge

Prof. Deo Raj Kaushal  
kaushal@civil.iitd.ac.in

Central Coordinator

Amit Kumar Chaturvedi  
PG Coordinator  
amitkchaturvedi01@gmail.com

Nucleus Coordinator

Anish Kumar Soni  
PG Coordinator  
sonianish5800@gmail.com

Reetika Dubey  
UG Coordinator  
ritikadubeyiitd@gmail.com

Visit OCS IIT DELHI Website at:  
http://ocs.iitd.ac.in/