DEPARTMENT OF CIVIL ENGINEERING

IIT HYDERABAD

E-NEWSLETTER

భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Volume 1, Issue 2 | APR - JUN'26

The Civil Chronicle

Advancing Research, Building the Future

MESSAGE

From the HOD's Desk

Prof. Phanindra K.B.V.N

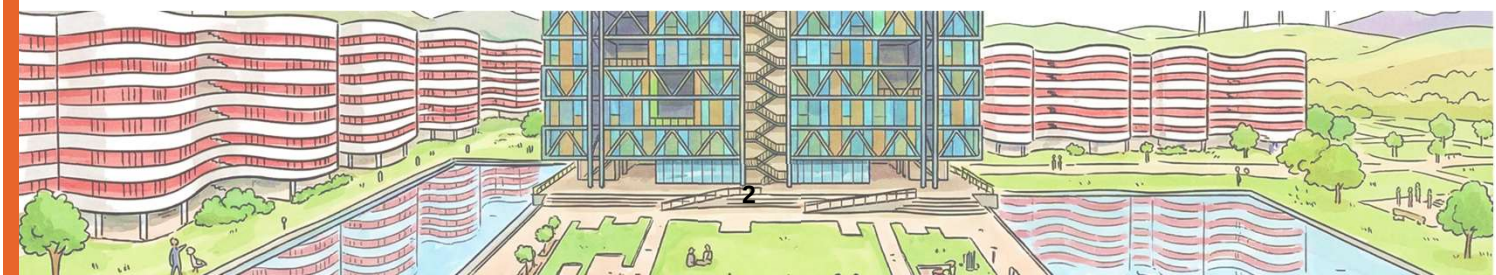
Head of Department, Civil Engineering

Dear Civil Engineering Fraternity,

I am happy to reach you after a three-month hiatus, through this second edition of the department newsletter. Thanks to the overwhelming response and value feedback on the first edition. Your suggestions will help us to improve the quality, relevance, and content of the newsletter.

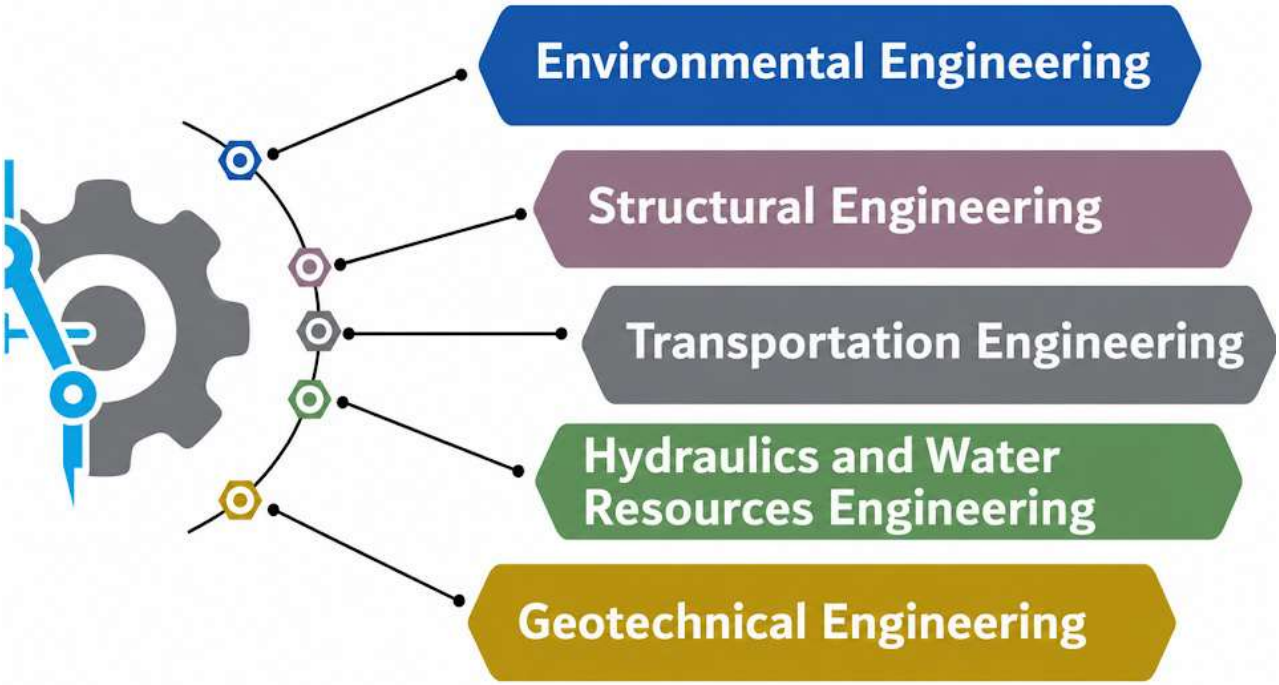
This edition of the newsletter highlights our department's activities, achievements, and milestones during April–June 2026. Take a moment to unwind and explore the accomplishments and accolades of our faculty and scholars, along with glimpses of engaging industry interactions and insightful research seminars conducted during this period.

We look forward to your valuable suggestions in making the newsletter more effective and impactful.



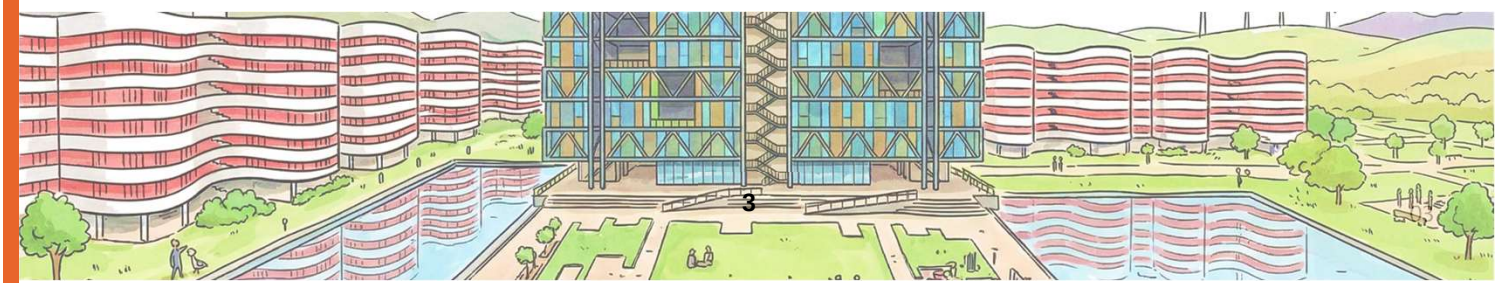
THIS QUARTER

Research Output



PUBLICATIONS IN THE QUARTER (SCOPUS-INDEXED)

ENVIRONMENTAL ENGINEERING	8	ARTICLES
HYDRAULICS AND WATER RESOURCES ENGINEERING	9	ARTICLES
STRUCTURAL ENGINEERING	18	ARTICLES
GEOTECHNICAL ENGINEERING	9	ARTICLES
TRANSPORTATION ENGINEERING	3	ARTICLES
TOTAL ARTICLES	47	



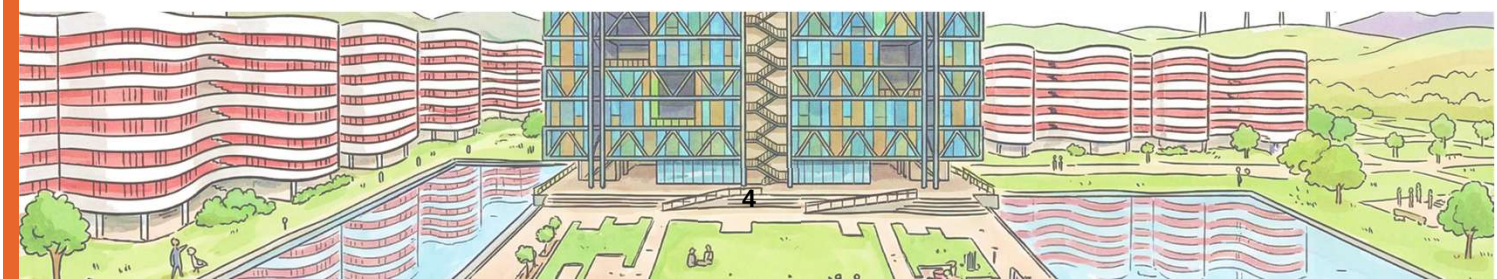
Welcoming New Faculty

Prof. Naveen Eluru

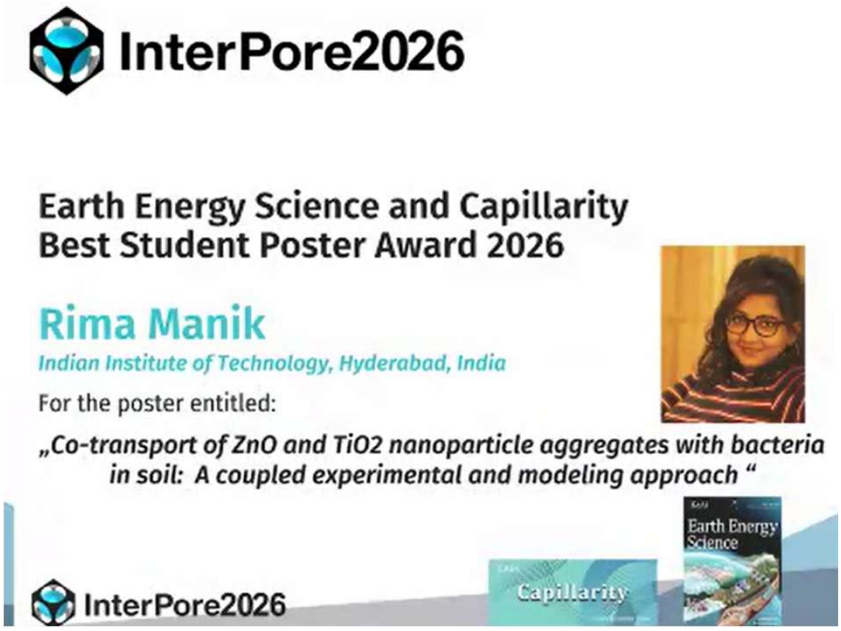
Professor, Civil Engineering

Joined the Civil Engineering Department on 29th May 2026

Prof. Eluru's research encompasses the development and application of econometric models for core transportation domains (including transportation planning and safety) and inter-disciplinary domains (including public health, energy, resilience and climate change domains). The quantitative platforms allow us to understand the contribution of transportation systems on our communities' mobility, energy consumption, resilience, and environment holistically. He received funding from National Science Foundation, National Cooperative Highway Research Program, US Department of Transportation, and Canadian Institute of Health Research. Prior to joining IIT Hyderabad, Dr. Eluru has mentored 22 PhD students and 15 MS students at McGill University and the University of Central Florida. Apart from work, Dr. Eluru enjoys travelling, swimming, and has completed a full marathon.



Student Achievements



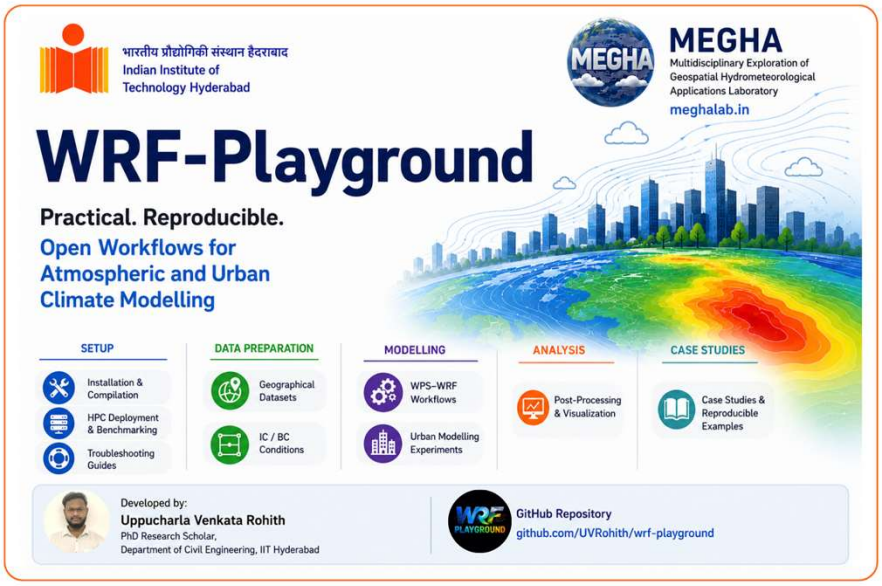
Ms. Rima Manik, PhD Scholar in the Department of Civil Engineering, IIT Hyderabad, working under the supervision of Dr. Seetha N, has received the Best Student Poster Award at the 18th Annual Meeting and Conference of the International Society for Porous Media (InterPore 2026), held in Nantes, France, from May 19-22, 2026. The award was presented for her poster titled "Co-transport of ZnO and TiO_2 Nanoparticle Aggregates with Bacteria in Soil: A Coupled Experimental and Modeling Approach." Her work highlights the integration of experimental investigations and modeling to advance the understanding of nanoparticle and bacteria transport in porous media, with important implications for environmental and subsurface engineering.

Ms. Spandana Paritala Awarded Fellowship to Attend Gordon Research Conference (GRS-2026), Italy

Ms. Spandana Paritala, Ph.D. student (CE22RESCH11005), under the supervision of Prof. K.V.L. Subramaniam, achieved the distinction of being invited to attend the prestigious Gordon Research Conference (GRS-2026) on "Advanced Materials for Sustainable Infrastructure Development" held at Renaissance Tuscany, Lucca, Italy. She was awarded a Fellowship Grant covering the conference registration fee and accommodation at the venue. At the conference, she presented her research titled "A Scientific Framework for Performance-Based Design of Concrete for 3D Printing," highlighting the development of a scientific framework for mix proportioning of printable concrete by considering the properties of paste and aggregates. Her selection for the fellowship and presentation at this internationally renowned conference reflects the quality and global recognition of her research.

Research Highlights

WRF-Playground: From Research Experience to Reproducible Atmospheric Modelling Workflows



Weather and climate influence sectors such as water resources, agriculture, urban planning, and disaster management. Numerical models help simulate atmospheric processes, weather systems, and land–atmosphere interactions. The Weather Research and Forecasting (WRF) model is one of the most widely used atmospheric models for research and operational forecasting. It supports studies on urban climate, air quality, weather, and climate, and is used by organizations including NOAA, NCAR, IMD, IITM, and NCMRWF.

Despite its widespread use, setting up WRF workflows remains challenging because the required information is often scattered across documentation, research papers, and online forums. Users must also be familiar with Linux, software compilation, datasets, and high-performance computing (HPC) environments.

To address these challenges, **WRF-Playground** was developed by **Uppucharla Venkata Rohith**, PhD Scholar, Department of Civil Engineering, IIT Hyderabad, working with **Dr. Shruti Upadhyaya**, Assistant Professor and head of the MEGHA (Multidisciplinary Exploration of Geospatial Hydrometeorological Applications) Laboratory. Started in June 2026, the open-source repository documents practical, reproducible workflows for setting up and using the WRF modelling system.

The repository includes:

- Installation and compilation guides
- Documentation of datasets used in WRF simulations
- Workflows for geographical, urban, and initial/boundary condition datasets
- Linux, software, and HPC troubleshooting guides
- Practical workflows validated in research computing environments

A major focus is urban climate modelling, including the integration of Copernicus Global Land Cover–MODIS–Local Climate Zones (LCZ) and global urban fraction (FRC_URB2D) datasets to improve urban representation in WRF. The workflows have been tested on the NSM PARAM Seva supercomputer and the Civil Engineering HPC system at IIT Hyderabad.

The repository is based on ongoing doctoral research on urban heat islands, aerosols, rainfall variability, and urban-atmosphere interactions over Indian cities. Development is also documented through Medium articles, including *Why I Started Building an Open WRF Workflow Repository* and *Expanding WRF-Playground (Part-2): From Installation to Urban-Scale Geographical Data.* WRF-Playground is an evolving resource, with future additions planned for complete simulation workflows, post-processing, visualization, atmospheric chemistry, and advanced urban climate applications.

GitHub: https://github.com/UVRohith/wrf-playground
Medium: https://medium.com/@uvrohith

Research Highlights

Pavement Research Lab (PRL)

Dr. Ramya Sri Mullapudi, and her PhD scholar, Ms. Bhuvana Priya Dhandapani (2026 graduating batch), have been granted two Indian patents for their innovative research in sustainable pavement engineering.

The granted patents are:

- Latex Modified Cement Grout Proportion for Cement Grouted Bituminous Mixes Containing Reclaimed Asphalt Pavement Material (Indian Patent No. 591691).
- A Pozzolanic Cement Grout Proportion for Reclaimed Cement Grouted Bituminous Mixes (Indian Patent No. 591965).

The patented technologies introduce innovative cement grout formulations for cement grouted bituminous mixes incorporating reclaimed asphalt pavement (RAP) materials. These inventions contribute to the development of sustainable and durable pavement infrastructure by promoting the effective utilization of reclaimed materials and advancing environmentally responsible road construction practices.

Faculty Achievements

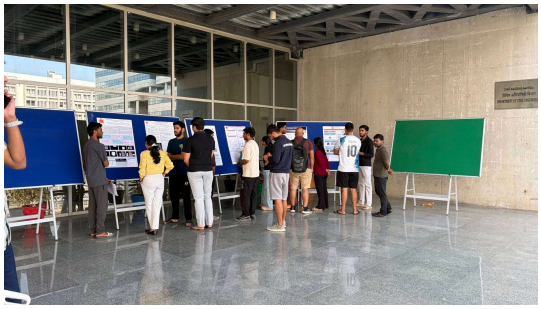
Prof. Munwar Basha has been recognized as an Outstanding Reviewer for 2025 by the American Society of Civil Engineers (ASCE) for his exceptional peer-review contributions to the Journal of Hazardous, Toxic, and Radioactive Waste. This prestigious honor acknowledges his commitment to maintaining high scholarly standards and advancing quality research through the peer-review process.

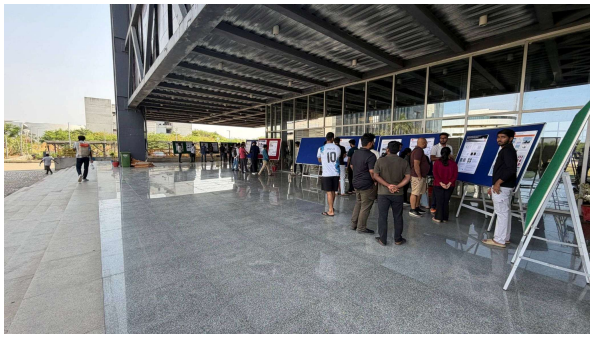
Prof. Munwar Basha has received the Springer Nature Editorial Contribution Award 2026 under the Editor of Distinction Awards program for his exemplary editorial service to the journal Sādhanā. The award, presented by Ritu Dhand, Chief Scientific Officer of Springer Nature, recognizes his outstanding contributions to academic publishing and editorial excellence.

Department Highlights

Department farewell ceremony (Class of 2026)

The Department Farewell Ceremony for the graduating batch of 2026 was held on 30 April 2026, bringing together students, faculty, and staff to celebrate the achievements of the outgoing batch.
The event provided an opportunity to reflect on the students' academic journey, recognize their hard work and accomplishments, and express gratitude for the guidance and mentorship provided by the faculty throughout their time in the department.
Filled with heartfelt speeches, memorable moments, and warm wishes, the ceremony marked a meaningful farewell as the graduating students embarked on the next chapter of their academic and professional careers.

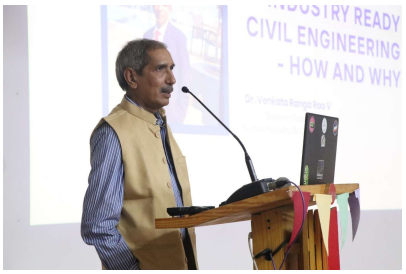




BTech Project Poster Presentations

BTech students showcased their project work through an engaging poster presentation session. The event provided a platform for them to communicate their research and engineering solutions, engage in technical discussions with faculty members and peers, and receive constructive feedback on their projects. The poster presentation helped strengthen students' technical communication, presentation, and critical thinking skills while fostering innovation and collaborative learning.

Department Highlights



Civil Department Day 2026

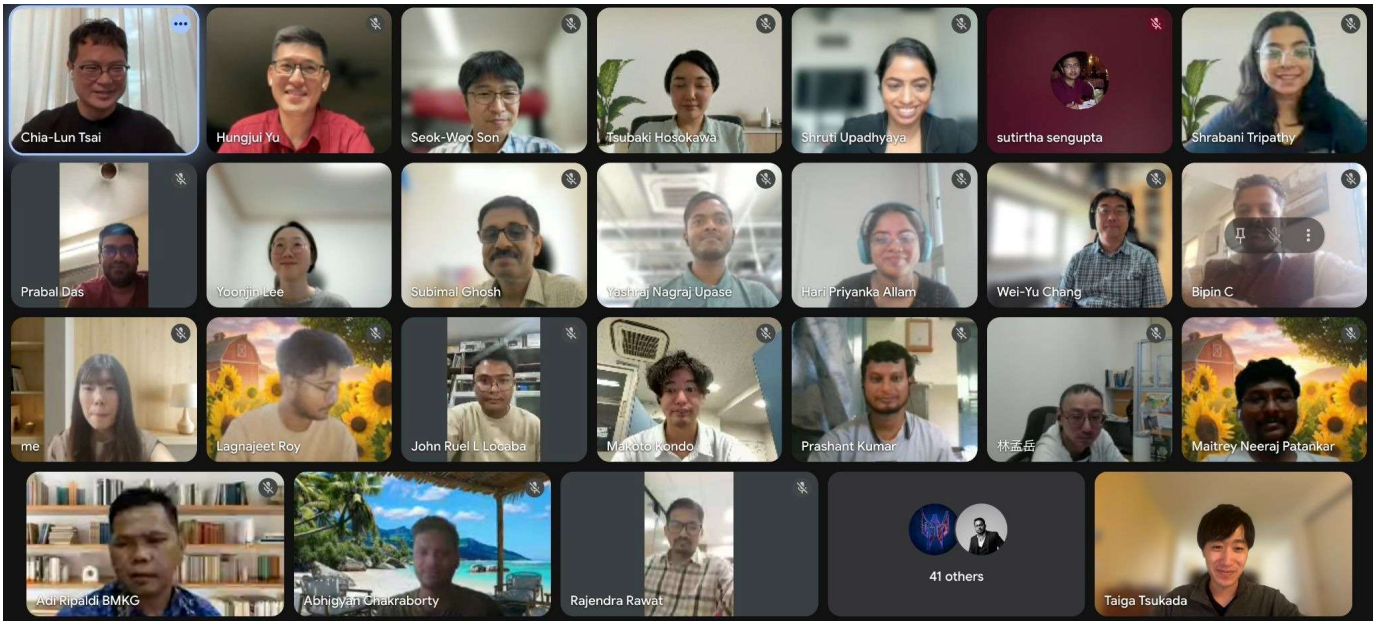
The Department of Civil Engineering celebrated Civil Department Day 2026 on 11 April 2026, bringing together students, faculty, alumni, and industry experts for a day of learning, recognition, and celebration. The event commenced with the inaugural session, followed by the Civil Pathways address by Prof. Mahendrakumar Madhavan, who shared insights on academic and professional opportunities in civil engineering. An industry talk by Dr. Venkata Ranga Rao V, Director (Technical), Vishwa Samudra Holdings Pvt. Ltd., highlighted current trends and challenges in infrastructure development.

A keynote lecture by Dr. Srinivas Kondapalli, Director, Flood Hazard Team, Verisk Analytics, on "State-of-the-Science Catastrophe Flood Models Around the World" showcased modern flood hazard modeling techniques and their applications in disaster risk assessment. The event also featured poster presentations, prize distribution, and cultural performances, providing a platform to recognize student achievements and foster a vibrant departmental community.

Prof. Ben McLellan from the Graduate School of Energy Science, Kyoto University, Japan, visited our GREENS laboratory at IIT Hyderabad

During his visit, Prof. Ben interacted with our students, explored the research being carried out at the GREENS Laboratory, and engaged in insightful discussions on our ongoing projects. It was wonderful to see our students discussing their research with Prof. Ben and exchanging ideas on topics that closely align with both our research interests, from Life cycle analysis and sustainability connecting water treatment and resource recovery to broader challenges in environmental purification and separation of critical minerals. Such interactions provide an excellent opportunity to exchange ideas, broaden perspectives, and strengthen research collaborations

Outreach Activities



Key Outcomes of the International Precipitation Conference 15 (IPC15) Pre-Conference Asia Workshop
Asian Precipitation: Challenges, Innovations, and the Way Forward
2 June 2026 | 02–04 UTC

The IPC15 Pre-Conference Asia Workshop brought together 100+ participants from 17 countries, with strong participation from students and early-career researchers. Organized by Shruti Upadhyaya (IIT Hyderabad, India), Yoonjin Lee (SNU, South Korea), Chia-Lun Tsai (CCU, Taiwan), and Taiga Tsukada (CIRA/CSU, USA), the workshop fostered discussions on advancing precipitation science through observations, modeling, forecasting, and artificial intelligence.

The workshop featured invited talks by Prof. Seok-Woo Son (SNU), Dr. Hungjui Yu (CIRA/CSU), Dr. Megumi Okazaki (RIKEN), Dr. Tsubaki Hosokawa (NTU), Prof. Wei-Yu Chang (NCU), and Prof. Subimal Ghosh (IIT Bombay), highlighting challenges and opportunities in Asian precipitation research.

Key discussions emphasized:

- Improving precipitation prediction across local to subseasonal-to-seasonal scales using high-resolution models and better representation of extreme events, monsoon systems, and land–ocean interactions.
- Advancing AI/ML applications through physics-guided approaches, integration of multi-source datasets, and improved understanding of physical processes.
- Strengthening observations through enhanced cloud, precipitation, radar, satellite, and in-situ measurements, along with coordinated field campaigns.
- Deepening scientific understanding of cloud processes, land–atmosphere feedbacks, air–sea interactions, and extreme precipitation mechanisms.
- Expanding regional and international collaboration through shared datasets, model intercomparison studies, and joint research initiatives.
- The workshop highlighted the importance of combining observations, physical understanding, numerical modeling, and artificial intelligence to improve precipitation prediction and support weather- and climate-resilient societies across Asia.

Workshop recording: *International Precipitation Conference – 15: Asia Workshop (2 June 2026)*

Outreach Activities

Invited talk in ICERSC 2026 – the International Conference on Energy and Resource Recovery for Sustainable Circular Economy, hosted by IIT Madras on April 9–10, 2026

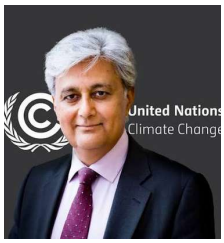
It was a wonderful platform that brought together researchers, academicians and industry experts working across various pathways for waste-to-energy and resource recovery. I had the opportunity to present my talk, "Beyond Filtration: The Dawn of Multifunctional Hybrid Membranes in Water Treatment and Resource Recovery," and engage in insightful discussions on emerging innovations in sustainable water treatment, membrane technologies, and circular economy approaches.

It was a pleasure to interact with fellow researchers and collaborators from India and abroad, exchange ideas, and explore opportunities for future collaborations toward advancing sustainable resource recovery and environmental solutions.

Invited Expert talk on Project Planning and Scheduling Techniques

Dr. Meenakshi Sharma was invited to deliver a guest lecture on Construction Management, with a focus on project planning and scheduling, as part of the 16-week on-campus Induction Training Programme (Information Technology) organized by IIIT Hyderabad for officers of the National Highways Authority of India (NHAI) and the Indian Highways Management Co. Ltd. The lecture introduced participants to the fundamental principles of construction project management, emphasizing project planning, scheduling techniques, resource management, and effective project execution. Since the audience comprised engineers from diverse disciplines, including many from non-civil engineering backgrounds, the session was designed at a foundational to intermediate level, providing practical insights into construction management relevant to infrastructure projects.

Industrial Seminars



Industrial Talk on UNFCCC and GHGs

A seminar on "UNFCCC and Greenhouse Gases (GHGs)" was conducted on 4 May 2026 at B-103 by Mr. Ovais Sarmad, former Deputy Executive Secretary of the United Nations Climate Change Secretariat (UNFCCC) and current Vice Chair of the GHG Protocol Steering Committee. Mr. Sarmad shared valuable insights into the UNFCCC process, international climate negotiations, greenhouse gas governance, and the implementation of the Paris Agreement. Drawing on his extensive experience from COP23 to COP27, he discussed key milestones in global climate action and emphasized the importance of collaborative efforts in addressing climate change. The seminar provided students, faculty, and researchers with a deeper understanding of global climate policy and fostered engaging discussions on the future of sustainable development and climate governance.

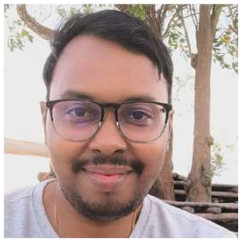
Industrial Seminar on Biomass to Biochar

The Environmental Engineering Division of the Department of Civil Engineering conducted an Industrial Seminar on 23 April 2026 featuring Mr. Sudhakar Sagi, Business .Head – Biochar and Chief Sustainability Officer at Sow & Reapn his talk, "Unlocking Decarbonization Potential: Biomass to Biochar," Mr. Sagi discussed innovative approaches to reducing carbon emissions in the cement industry through the use of syngas produced from biomass gasification. He highlighted the role of biomass, biochar, and circular economy solutions in advancing sustainable and low-carbon industrial practices.

The seminar provided students and researchers with valuable insights into emerging decarbonization technologies and their potential to support climate-resilient infrastructure and sustainable development.

Industry talk on “Use of Data Science in Mobility Infrastructure”

The Department organized an industry talk delivered by Mr. Rohit Sabherwal, Co-founder of Akara Research & Technologies, on 2 April 2026. The talk, titled "Use of Data Science in Mobility Infrastructure," focused on the application of data science in mobility infrastructure.



Exert Talk on Overview of Subsea Structures

An expert talk on "Overview of Subsea Structures" was delivered by Mr. Praveen V from TechnipFMC on 24 April 2026. The session introduced participants to the fundamentals of subsea engineering, covering the design, installation, and operation of offshore structures used in the oil and gas industry. Drawing on industry experience, the speaker highlighted real-world applications, engineering challenges, and emerging technologies in subsea infrastructure. The talk provided students and researchers with valuable industry insights and enhanced their understanding of offshore structural engineering and its practical applications.

Industry Talk on Weather Intelligence for Aviation and Next-Gen Aircraft

The Department organized an industry talk on "Weather Intelligence for Aviation & Next-Gen Aircraft with AI-Enhanced Nowcasting & Drone Ecosystem Intelligence" on 15 April 2026, delivered by Dr. Suman from DM- Airtech. The talk explored the role of AI, weather intelligence, and numerical weather prediction in advancing aviation and drone technologies. Dr. Suman discussed hyper-local weather forecasting, IoT sensor integration, radar nowcasting, and AI-driven models for improving the safety and efficiency of UAVs, Urban Air Mobility (UAM), and next-generation aircraft. The session provided participants with valuable insights into the convergence of atmospheric science, artificial intelligence, and aviation, highlighting emerging opportunities in the rapidly evolving low-altitude aviation ecosystem.

Industry talk on “Implementation of emerging transportation technologies in Florida”

The Department organized an industry talk delivered by Dr. Pruthvi Manjunatha, Assistant Professor at the College of Computing, Engineering & Construction (CCEC), University of North Florida (UNF), USA. The talk, titled "Implementation of Emerging Transportation Technologies in Florida," focused on the implementation of emerging transportation technologies in Florida.

Industrial Seminars

Industry talk on "Understanding Linkages between Sustainable Transport and Development Goals"

The Department organized an industry talk delivered by Prof. Ashish Verma, Department of Civil Engineering, Indian Institute of Science (IISc), Bengaluru, on 27 May 2026. The talk, titled "Understanding Linkages between Sustainable Transport and Development Goals," focused on the linkages between sustainable transport and development goals

Industry talk on "Beyond the Last Station: Building a Metro Mobility Ecosystem from Strategy to Street"

The Department organized an industry talk delivered by Mr. Akshay Tula, Lead – First & Last Mile Connectivity, Urban . Mobility, and Business Strategy (Data Analytics), L&T Metro Rail Hyderabad Limited, on 6 April 2026. The talk, titled "Beyond the Last Station Building a Metro Mobility Ecosystem from Strategy to Street," focused on building a metro mobility ecosystem from strategy to street, with emphasis on first- and last-mile connectivity, urban mobility, and business strategy

Industry Talk on NATRAX and Automotive Testing

The Department hosted an industry talk on "NATRAX (National Automotive Test Tracks) and Automotive Testing", delivered by Mr. Tejpal Mahajan, Head of Proving Ground, and Mr. Shrihari S. J., Group Head – ADAS, CAE & ADAS.

The speakers provided an overview of NATRAX, India's premier automotive testing and proving ground, and discussed modern vehicle testing methodologies, Advanced Driver Assistance Systems (ADAS), computer-aided engineering (CAE), and the role of testing in ensuring vehicle safety, performance, and regulatory compliance.

The session offered students and researchers valuable insights into the automotive testing industry and the latest advancements in mobility and vehicle engineering.

Industry talk on "You Built It, But They Didn't Come: What Transportation Engineers Need to Know About Consumer Psychology and Mobility Choice"

The Department organized an industry talk delivered by Dr. Meghna Verma, Associate Professor, Department of Marketing and International Business, Head of the Centre for Sustainability at Ramaiah Institute of Management (RIM), Bengaluru, on 27 May 2026. The talk, titled "You Built It, But They Didn't Come: What Transportation Engineers Need to Know About Consumer Psychology and Mobility Choice," focused on consumer psychology and mobility choice in the context of transportation engineering.

Lecture on Hydropower Infrastructure at TG-GENCO: Performance and Critical Challenges

The Department organized a lecture delivered by Dr. T. Naveen Kumar, Eecutive Engineer, Telangana State Power Generation Corporation (TG-GENCO), Hyderabad, on 1 April 2026. The talk, titled "Hydropower Infrastructure at TG-GENCO: Performance and Critical Challenges," provided an overview of hydropower infrastructure, plant operation, and hydraulic systems. Through case studies of the Srisailam Left Bank Hydropower Project and the Nagarjuna Sagar Hydropower Project, the speaker discussed structural failures, hydraulic bottlenecks, and operational challenges. The lecture highlighted the importance of structural integrity, hydraulic optimization, continuous monitoring, and advanced analytical tools for improving the performance, reliability, and sustainability of hydropower projects.

Lecture on the UK Water Industry

The Department organized a lecture delivered by Mr. Vivek Rajagopal, Team Leader – Sustainable Water Management – Consulting, WSP India, on 2 April 2026. The talk, titled "An Introduction to the UK Water Industry," provided an overview of the UK's water sector, highlighting the role of policies, legislation, and technical guidelines in sustainable water resources management. The speaker shared practical insights into hydraulic modelling, flood risk assessment, and flood mitigation, drawing from projects across the UK, Africa, the Middle East, and India. The lecture offered participants valuable exposure to international best practices and contemporary challenges in water resources engineering.

Industrial Seminars

Industry Talk on Catastrophic Risk Modeling: Structural Damage Assessment

The Department hosted an industry talk on "Catastrophic Risk Modeling: Structural Damage Assessment" on 15 April 2026, delivered by Mr. Suryanarayana Raju, Senior Vice President at Verisk.

The talk focused on the use of catastrophic risk models to assess structural damage caused by natural hazards such as earthquakes, floods, and cyclones. The speaker discussed modern risk assessment methodologies, data-driven modeling techniques, and their applications in disaster preparedness, infrastructure resilience, and insurance analytics. The session provided students and researchers with valuable insights into the integration of structural engineering, risk modeling, and data analytics for improving disaster risk management.

Lecture on Sediment Monitoring, Modelling, and Management in Hydraulic Projects

The Department organized a lecture delivered by Dr. Slaven Conevski, Consultant, Multiconsult (MC), Oslo, Norway, on 15 April 2026. The talk, titled *"When Sediment Becomes the Main Issue in Hydraulic Projects: Monitoring, Modelling, and* Managing *in Hydropower and Hydraulic Projects,"* focused on sediment-related challenges in hydropower and regulated hydraulic systems. The speaker discussed the impact of climate change and infrastructure development on sediment dynamics, emphasizing the importance of monitoring, numerical modelling, and optimization for sustainable project operation. Through international case studies, the lecture highlighted advanced sediment management approaches that enhance the efficiency and long-term sustainability of water resources infrastructure.

Effective Equipment Management under ISO/IEC 17025: Good Laboratory Practices

On 05 June 2026 (Friday), the Department of Civil Engineering organized a training session on "Effective Equipment Management under ISO/IEC 17025: Good Laboratory Practices." The session was delivered by Dr. V. Jagadish, Head of the Department at Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, and an NABL Assessor associated with National Accreditation Board for Testing and Calibration Laboratories (NABL).

The training provided valuable insights into laboratory quality management, equipment calibration, maintenance, documentation, and best practices for ensuring compliance with ISO/IEC 17025 standards. The session was highly informative and beneficial for faculty members, technical staff, and research scholars involved in laboratory operations.

Industry Talk on Road Safety Auditing for Improved Road Safety

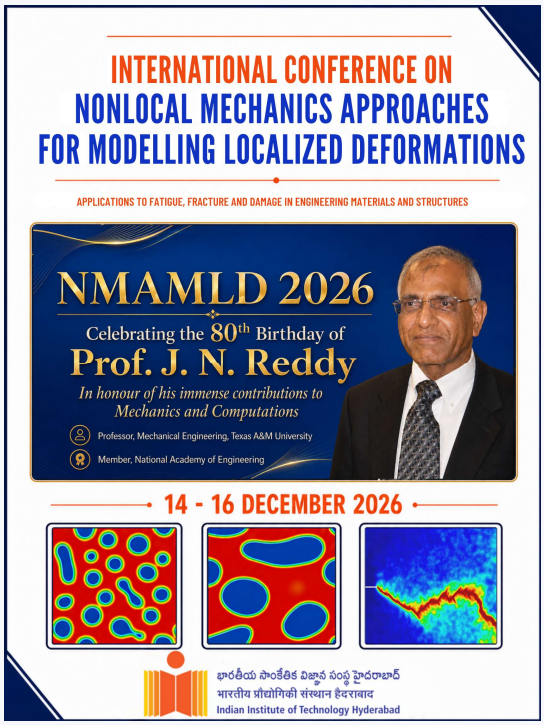
The Department hosted an industry talk on "Road Safety Auditing for Improved Road Safety" on 16 April 2026, delivered by Dr. T. S. Reddy, a renowned expert in transportation engineering and road safety.

Drawing on nearly five decades of national and international experience, Dr. Reddy highlighted the importance of road safety audits in improving highway design, identifying potential safety risks, and reducing road accidents. He shared practical insights from major transportation planning and highway safety projects undertaken across India and abroad.

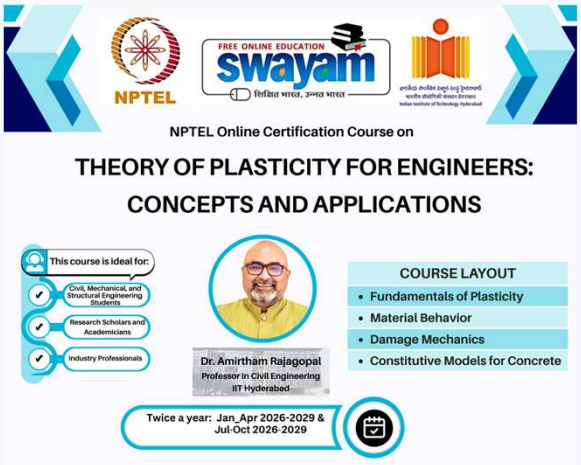
The session provided students, faculty, and researchers with valuable knowledge on road safety engineering, transportation planning, and best practices for developing safer and more sustainable road infrastructure.

Upcoming Events

Certified FRP Strengthening — Applicator & Designer Training
6–10 July 2026 · IIT Hyderabad



NMAMLD 2026: Nonlocal Mechanics Approaches for Localized Deformations
14–16 December 2026 · IIT Hyderabad



NPTEL Course: Theory of Plasticity for Engineers — Concepts and Applications
Jan–Apr & Jul–Oct, 2026–2029

ISSC 2027: Indian Structural Steel Conference, 2nd Edition
16–19 February 2027 · IIT Hyderabad

Upcoming Events

SEC 2026

15th Structural Engineering Convention · 20–23 December 2026 · IIT Hyderabad

The 15th Structural Engineering Convention (SEC-2026) will be organized by the Department of Civil Engineering, Indian Institute of Technology Hyderabad, during 20–23 December 2026 at IIT Hyderabad. Held under the aegis of the Indian Association for Structural Engineering (IASE), SEC-2026 continues the legacy of being one of India's most prestigious platforms for knowledge exchange and professional engagement in structural engineering.

SEC-2026 aims to bring together academicians, researchers, practicing engineers, industry professionals, and students to deliberate on recent advances, emerging technologies, and critical challenges in structural engineering. The convention will foster strong collaboration between academia and industry while promoting innovation, sustainability, and resilience in infrastructure systems.

The conference will feature a rich and diverse technical program, including:

- Plenary lectures delivered by internationally renowned experts
- Keynote lectures by leading academicians and industry practitioners
- Parallel technical sessions covering a wide range of thematic areas
- Oral and poster presentations by researchers and students

The major thematic areas include advanced materials and construction technologies, concrete and steel structures, computational mechanics and structural modelling, structural health monitoring, life-cycle assessment, bridge and infrastructure engineering, disaster resilience, and emerging applications of artificial intelligence and machine learning in structural engineering.

SEC-2026 has received an overwhelming response, with over 800+ abstracts submitted from across India and abroad. The conference is expected to host around 600 participants, including students, early-career researchers, scientists, and industry professionals, ensuring a vibrant and diverse technical environment.

As part of the conference requirements, submission of an extended abstract or full-length paper is mandatory for all accepted abstracts. Authors interested in publication in the Springer conference proceedings are required to submit a full-length paper (6–8 pages), while those opting for presentation only must submit a 2-page extended abstract.

The convention will also serve as a platform for networking, collaboration, and dissemination of best practices in structural design, construction, durability, safety, and sustainability. With an impressive lineup of plenary and keynote speakers, SEC-2026 is poised to be a landmark event in the structural engineering community.

We look forward to welcoming participants to IIT Hyderabad for an engaging and enriching academic experience.

Chairman	*Co-Chairman*	*Organizing Secretary*
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CAREERS

Placements

Students Placed
B.Tech : 38
M.Tech : 15

Highest CTC
46.38 LPA

Average CTC
20 LPA

TOP RECRUITERS

CONNECT

Contact & Credits

EDITORIAL TEAM

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CO-EDITOR : VAISHNAV DHRUV

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DEPARTMENT AT A GLANCE

Currently Enrolled Students:
B.Tech Students : 233
M.Tech Students: 99
PhD Students: 140

Graduated Students:
B.Tech Students : 223
M.Tech Students: 290
PhD Students: 95

Faculty:
Total Number of Faculty : 31
Faculty to Student Ratio : 1:16