METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY
(An UGC-AUTONOMOUS INSTITUTION)
Accredited by NAAC with A+ and NBA
Estd : 2008 Affiliated to Osmania University & Approved by AICTE



DEPARTMENT OF CIVIL ENGINEERING

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VISION

To evolve into a centre of excellence for imparting holistic civil engineering education contributing towards sustainable development of the society.

MISSION

M1: To impart quality civil engineering education blended with contemporary and interdisciplinary skills.

M2: To provide enhanced learning facilities and professional collaborations to impart a culture of continuous learning.

M3: To involve in trainings and activities on communication skills, teamwork, professional ethics, environmental protection and sustainable development

PROGRAM EDUCATIONAL OBJECTIVES

PEO1. Engage in planning, analysis, design, construction, operation and maintenance of built environment.

PEO2. Apply the knowledge of civil engineering to pursue research or to engage in professional practice.

PEO3. Work effectively as individuals and as team members in multidisciplinary projects with organizational and communication skills.

PEO4. Demonstrate the spirit of lifelong learning and career enhancement aligned to professional and societal needs.

PROGRAM OUTCOMES

PO1. Engineering knowledge
PO2. Problem analysis
PO3. Design/development of solutions
PO4. Conduct investigations of complex problems
PO5. Engineering tool usage
PO6. The Engineer and The World
PO7. Ethics
PO8. Individual and Collaborative Team work
PO9. Communication
PO10. Project Management and Finance
PO11. Life-long learning

PROGRAM SPECIFIC OUTCOMES

PSO1: Core Competency in Civil Engineering: Apply core principles of civil engineering, to analyze and design sustainable and resilient infrastructure.
PSO2: Proficiency in Tools and Techniques: Effectively utilize modern engineering tools, software, and techniques to address civil engineering challenges.
PSO3: Sustainable Development Practices: Demonstrate principles of sustainable development in civil engineering solutions.

Seminar On Job Opportunities for Civil Engineering

Speaker: Mr. Ravi Kumar, Senior Faculty, National Academy of Construction.
Date/time: 06 January 2025 10.30am
Number of attendees: 34

A seminar on “Job Opportunities for Civil Engineering” was conducted to create awareness among students about the diverse career paths available in the field of civil engineering. The primary objective of the seminar was to guide students in making informed career decisions by understanding current industry demands and emerging sectors. The speaker discussed various employment opportunities in core areas such as construction, structural engineering, transportation, geotechnical engineering, water resources, and environmental engineering. In addition, career options in government services, public sector undertakings, consulting firms, and infrastructure development organizations were highlighted. The seminar also shed light on emerging opportunities in areas like smart cities, sustainable construction, project management, and Building Information Modeling (BIM).

The session included an interactive segment where students raised questions regarding skill requirements, career growth, and future prospects.



One-Day Workshop on "Characterization and Performance Evaluation of Materials in Rigid Pavement Design"

Resource person: Mr. D. Chandrakanth, Director, Chandrakavat Consulting Engineers LLP

Date: 25- February 2025

Number of Students attended: 15

A one-day workshop on "Characterization and Performance Evaluation of Materials in Rigid Pavement Design" was conducted to enhance students' understanding of material behaviour in cement concrete pavements. The workshop focused on the importance of material selection and evaluation in achieving durable and high-performance rigid pavements. The session covered the characterization of pavement materials such as cement, aggregates, and concrete, along with laboratory and field-testing methods used to assess their properties. Participants were introduced to performance-based evaluation parameters including strength, durability, fatigue behaviour, and resistance to environmental effects. The relevance of these properties in pavement design and long-term serviceability was explained through practical examples.



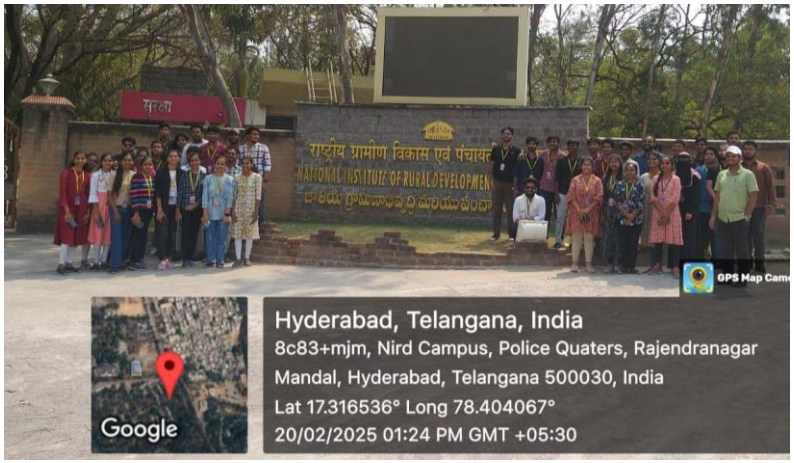
Site Visit to National Institute of Rural Development and Panchayat Raj

Speaker: NIRD Staff

Date/time: 20/02/2025

Number of attendees: 44

A student site visit to the National Institute of Rural Development and Panchayat Raj (NIRDPR) was organized in 2024 to provide students with exposure to rural development initiatives and governance practices. The visit aimed to broaden understanding of planning, infrastructure development, and sustainable community projects in rural areas. During the visit, students explored various training and research facilities focused on rural management, sanitation, water resources, and infrastructure development. Experts explained programs related to village planning, participatory governance, and implementation of government schemes for sustainable development. Students observed how civil engineering principles are applied in rural infrastructure projects such as roads, water supply systems, and community buildings.



Faculty Participation in Seminars, Workshops, and FDPs

Date	Event type	Event Details	Faculty Name
03/01/2025	Seminar	Awareness session on Electromagnetic Radiation and Cyber Security	Dr. Bandita Naik, Mrs Shaista Begum, Mr. R. Srikanth, Mr. D. Bharat Naik, Mr Shaik Mohammed Imran, Mrs M Mary Soujanya, Mr P Srikanth, Ms. M. Madhuri, Mrs. S. Deva Samyuktha, Ms J Divya,
13/02/2025	Workshop	3rd National level workshop on Curriculum Design & Credit Framework in alignment with NEP 2020	Dr. Bandita Naik
03/05/2025 to 05/05/2025	Workshop	Three Day National Workshop on "NAAC Accreditation and Outcome Based Education through AI Powered Digital Learning	Dr. Bandita Naik
06/03/2025	Webinar	Online National Level awareness program on Institute Development Plan (IDP) for Higher Education Institutions	Dr. Bandita Naik, Mrs. S. Deva Samyuktha, Ms. Shiphali Preeti Aind
19/05/2025 to 21/05/2025	Webinar	Webinar based Training Program of "Bhuvan Overview"	Dr. Bandita Naik
03/02/2025 to 07/02/2025	FDP	National Level FDP on Embracing the Future: Innovations in Education, Technology and Research	Mrs Shaista Begum, Mrs S Deva Samyuktha, Ms Shiphali Preeti Aind, Mr Shaik Mohammed Imran, Mrs M Mary Soujanya
17/02/2025 to 28/02/2025	FDP	FDP on Application of Computational Intelligence in Civil Engineering	Mrs Shaista Begum
03/02/2025 to 08/02/2025	FDP	ATAL FDP on Generative AI: Techniques, Tools andApplications	Mr R Srikanth
24/01/2025 & 25/01/2025	Workshop	Sustainable Infrastructure Solutions on Climate Change Resilience (SISCCR 2025)	Mr Shaik Mohammed Imran
18/02/2025 to 22/02/2025	Workshop	Hydrological Modelling using Climate Change Data	Mr Shaik Mohammed Imran
06/01/2025 to 11/01/2025	STTP	Vision based Condition Assessment of Civil	Mr Shaik Mohammed Imran
03/02/2025 to 07/02/2025	Workshop	NBA Tier-I Accreditation: Enhancing Quality	Mr R Srikanth
25/01/2025	Conference	Turnip Innovation Festival 2025, National Online	Mr Shaik Mohammed Imran
27/02/2025	Seminar	Awareness program on NABL Certification	Mr Shaik Mohammed Imran, Mr. A. Madhusudhan
06/03/2025	Webinar	Online National Level awareness program on Institute Development Plan (IDP) for Higher Education Institutions	Mrs M Mary Soujanya
24/01/2025 & 25/01/2025	Conference	1st International Conference on Sustainable Materials, Methodologies,	Mrs M Mary Soujanya

		Technologies and Applications in Civil Engineering (ICS2MT-2025)	
03/02/2025 to 08/02/2025	FDP	ATAL FDP on Automation in Civil Engineering	Mrs. S. Deva Samyuktha
06/02/2025	Seminar	ChatGPT and AI in Microsoft	Mr. P. Srikanth
10/02/2025 to 15/02/2025	FDP	ATAL FDP on Application of Geotechnical Engineering for the Development of Sustainable and Resilient Infrastructure	Mr. P. Srikanth
20/01/2025 to 25/01/2025	FDP	ATAL FDP on Engineered Materials for Multi-disciplinary Applications	Mr. P. Srikanth

- Congratulations to Mr. Shaik Mohammed Imran on successfully completing including Research Methodology, Climate Change Scenarios, and Microwave Remote Sensing in Hydrology course offered by Skill India in collaboration with NPTEL, IIT Madras from January to March 2025. This achievement reflects his commitment to advancing research expertise and continuous professional development in the field of civil engineering.
- A research paper titled “Mechanical and Water Penetration Properties of Agra-Based Geopolymer Concrete” by Mary Soujanya Maddala was presented at the International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25). The conference was held on 24th and 25th January 2025.
- An MoU was signed with Arrow Waste Management Solutions on 24 February 2025 to collaborate in the areas of Waste Management and Sustainability, strengthening industry–academia interaction. The MoU is valid until 24 February 2027 and aims to promote training, research, internships, and sustainable practices among students and faculty.

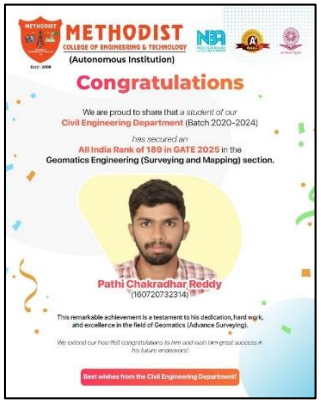
Student participations and achievements

04–07 February 2025

K. Megharaj (I Semester) participated in the 71st Senior Inter-District Kabaddi Championship for Men-2025 held at Bachupally, Medchal–Malkajgiri District, demonstrating strong competitive spirit.

We are proud to announce that Pathi Chakradhar Reddy (Roll No. 160720732314), a student of the Civil Engineering Department (Batch 2020–2024), has secured an All-India Rank (AIR) 189 in GATE 2025 in the Geomatics Engineering (Surveying and Mapping) paper.

This remarkable achievement reflects his academic excellence and dedication to the field of Civil Engineering.



Cultural Activities

The Annual Day Celebrations were organized as a college-level event on 10 February 2025 at Shilpakala Vedhika. The program featured cultural performances and award presentations, celebrating students' achievements and fostering unity and enthusiasm among the college community.

Parent Teacher Meeting

A Parent–Faculty Interaction was conducted on 07 February 2025 at the E-Block, Ground Floor, focusing on the credits required for promotion and attendance requirements. Faculty members interacted with parents to address academic concerns, and parents agreed upon specific strategies to ensure continuous improvement in student performance.

Programs conducted with NSS on Social Responsibility Initiatives

- A Voting Pledge Awareness Program was conducted on 25 January 2025 at the college campus, with the participation of 50 students, to promote civic responsibility and ethical voting practices.
- A Road Safety Awareness Program was organized on 31 January 2025 at the college, engaging 53 students and emphasizing safe road practices and responsible behaviour for accident prevention.