ATME College of Engineering

DEPARTMENT OF CIVIL ENGINEERING

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NEWSLETTER

NIRMAAN

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Vision of the Department

- To develop globally competent civil engineers who excel in academics, research and are ethically responsible for the development of society.

Mission of the Department

- To provide quality education through competent faculty and state-of-the-art infrastructure.
- To identify current societal problems pertaining to civil engineering disciplines and address them effectively.
- To inculcate research, innovation, and entrepreneurial skills to meet infrastructure needs of society.



HOD's Message



Dear Colleagues and Students, It gives me immense pleasure to present this issue of NIRMAAN, the departmental newsletter of Civil Engineering. This edition captures the academic vibrancy, professional growth, and student-centric initiatives undertaken by the department during the academic year 2025–26. Our consistent efforts towards outcome-based education, industry interaction, research culture, and professional ethics continue to strengthen the department's academic ecosystem.

I sincerely appreciate the dedication of our faculty members and the enthusiastic participation of our students in workshops, technical talks, conferences, FDPs, and co-curricular activities. I am confident that these initiatives will significantly contribute to holistic development and prepare our students to meet contemporary engineering challenges. I extend my best wishes to the editorial team for compiling this newsletter and to all stakeholders for their continued support.

HIGHLIGHTS

- Departmental Activities
- Student Co-curricular & Extra-curricular Activities
- Faculty Achievements &FDPs
- Student Achievements Academic Performance & Results

DEPARTMENTAL ACTIVITIES

Technical Talks & Workshops for Students



Technical Talk on "Innovative Ground Improvement Techniques for Problematic Soils" (23 April 2025)

A technical talk was conducted for 4th and 6th semester students, connecting classroom learning with real-world geotechnical practices and strengthening their understanding of modern ground improvement techniques.

Industry Readiness and CareerOpportunities in Civil Engineering (13 October 2025)

A session was conducted for 3rd, 5th, and 7th semester students, focusing on emerging career pathways, current industry expectations, and essential skill development for professional growth.





DATUM 2K25 – Technical Fest (29 October 2025)

DATUM 2K25 provided a vibrant intercollegiate platform for civil engineering students to showcase innovation, share technical knowledge, and engage in collaborative learning.

Workshop on Concrete Construction Chemicals (7 November 2025)

A workshop was conducted for 3rd, 5th, and 7th semester students, providing practical insights into modern concrete construction chemicals and promoting awareness of sustainable construction practices.





Industry Outreach Program (IOP) (10 November 2025)

An Industry Outreach Program was organized for 7th semester students to strengthen industry–academia interaction and enhance exposure to professional practices.

FACULTY DEVELOPMENT PROGRAMS & PROFESSIONAL ACTIVITIES

Avenues of Machine Learning in Core Engineering Applications (28 July – 01 August 2025)

Organized by the Civil and Mechanical Engineering departments, this program introduced faculty members to the scope and applications of machine learning in core engineering fields.

Faculty Participation in FDPs, Conferences & Workshops

24–25 April 2025: Paper presentation at International Conference on Adaptive Technologies in Engineering and Sciences (ICOATES–2025), GEC, K.R. Pete, Karnataka
Faculty: Dr. Jyothi D N, Prof. Puneeth K, Profs. Shruthi H G

19–20 June 2025: Paper presentation at International Conference on Emerging Technologies in Science and Engineering (ICETSE), AIT, Tumkur
Faculty: Profs. Akhila C G, Dr. Jyothi D N

23–27 June 2025: 5-Day GIAN Workshop on Sustainable Transport Modes, NIT Warangal
Faculty: Prof. Rudresh A N

07–18 July 2025: AICTE-QIP PG Certificate Program on Machine Learning, IISc Bengaluru
Faculty: Dr. Jyothi D N

25–26 July 2025: Paper presentation at 3rd IEEE International Conference on Data Science and Network Security, KIT, Tiptur
Faculty: Prof. Rudresh A N

25–26 July 2025: Paper presentation at 3rd IEEE International Conference on Data Science and Network Security, KIT, Tiptur
Faculty: Prof. Rudresh A N

17–18 October 2025: Paper presentation at 2nd International Conference – SSITCOM 2025, SIT Tumkur
Faculty: Prof. Rudresh A N

30–31 October 2025: Paper presentation at NHCE–SIMET–2025, Manipal Institute of Technology, Manipal
Faculty: Prof. Manu Vijay

06–08 November 2025: Paper presentation at International Conference on Emerging Engineering Technologies and Applications, Medicaps University, Madhya Pradesh
Faculty: Prof. Manu Vijay

24–28 November 2025: 5-Day FDP on Empowering Research Excellence, VTU Mysuru
Faculty: Prof. Akhila H G, Prof. Likhit M L

Faculty Achievements

Prof. Manu Vijay
Board of Examiners – Civil Engineering, VTU Belagavi (2025)

Dr. Jyothi D N
BOS Member – Civil Engineering, University of Mysore
Board of Examiner – JSS STU & VVCE, Mysuru
Resource Person – SJCE, JSS STU, Mysuru
Reviewer – International Conferences & Journals

Prof. Puneeth K
Best Teacher Award – ATME College of Engineering, Mysuru (2025)

FACULTY DEVELOPMENT PROGRAMS & PROFESSIONAL ACTIVITIES

MOOC & Certification Achievements (NPTEL / UDEMY)

Prof. Puneeth K
GIS, Cyber Security & Privacy (NPTEL), Patent Filing in India (UDEMY)

Prof. Bharathi B
Sustainable Transportation Systems (NPTEL), Patent Filing in India (UDEMY)

Prof. Namitha A P
Groundwater Resources Management, Remote Sensing Principles (NPTEL)

Prof. Shruthi H G
GIS, Cyber Security & Privacy (NPTEL), Patent Filing in India (UDEMY)

Prof. Rudresh A N
Sustainable Transportation Systems, Accreditation & OBE (NPTEL), Patent Filing & Pedagogy (UDEMY)

Prof. Manu Vijay
Sustainable Transportation Systems (NPTEL), Patent Filing in India (UDEMY)

Prof. Akhila C G
Climatic Extremes, Earth Sciences for Civil Engineering (NPTEL)

Dr. Jyothi D N
Machine Learning for Core Engineering, Earth Sciences for Civil Engineering (NPTEL)

Journal Publications

H. G. Shruthi, G. V. Gaonkar, and D. V. Babu R, "A Critical Review Paper on: Strengthening of Structural Elements with FRP," Int. J. All Res. Educ. Sci. Methods (IJARESM), vol. 13, no. 1, pp. 188- 192, Jan. 2025.

M. Vijay and G. Ravi, "Fatigue Analysis and Assessment of a State Highway Bridge on Hunsur-Mysore Road," Civil Eng. Archit., vol. 13, no. 1, pp. 373-390, Jan. 2025, doi: 10.13189/cea.2025.130123.

V. Ravi Raj, N. Madhavan C. S., B. Sivakumar, R. M. Karthikeyan, S. K. Bohidar, and Z. Hussain, "Graphenederived Reinforced Polymer Composites for Self-Healing and Durability Enhancement in Concrete Structures," J. Polymer Composites, vol. 13, no. 6, pp. 77-91, Nov. 2025.

C. Madhushree, C. G. Akhila, H. D. Lavanya, B. S. Shamana, H. V. Tapaswi, and M. S. Chandini, "Testing the Appropriateness of Lumped Hydrological Model in Groundwater Recharge Estimation for a Small Catchment in Karnataka, India," Int. J. Environ. Sci., vol. 11, no. 3S, 2025.

M. S. Chandini, V. Kumuda, B. Bharathi, K. Manjula, R. K. Niranjan Nayaka, and H. N. Harsha, "The Comprehensive Study On The Influence Of Chicken Mesh On The Properties Of Concrete," Int. J. Environ. Sci., vol. 11, no. 17, Jul. 2025.

Conference Publications

K. Puneeth, "Experimental and Analytical Investigation of Conventional & Composite RC Beams with Kaolin Clay and Sugarcane Bagasse Ash as Partial Cement Replacements," in Proc. 1st Int. Conf. Innov. Sustainable Digital Construction Practices (ISDCP 2025), Bengaluru, India, Jan. 23-25, 2025.

D. N. Jyothi, "Impact of Performance Assessment of Mono-Column and Floating Column Structures on Varying Terrain Conditions with Identical Plan Area under Seismic Forces," in Proc. 1st Int. Conf. Innov. Sustainable Digital Construction Practices (ISDCP 2025), Bengaluru, India, Jan. 23-25, 2025.

K. Puneeth, "Experimental Investigation of Flax Fiber Reinforced Concrete: A Sustainable Alternative to Traditional Reinforced Concrete," in Proc. Int. Conf. Adaptive Technol. Eng. Sci. (ICOATES 2025), Krishnarajapet, India, Apr. 24-25, 2025.

M. Vijay, "Evaluating the Structural Performance of Traditional, Steel Diagrid, and Buckling Restrained Braced Diagrid Frameworks in Tall Structures," in NHCESIMET 2025, Springer Proceedings, Manipal, India, Oct. 30-31, 2025.

M. Vijay, "Post covid health care innovation by IOT sensor," in Proc. IEEE Conf., Moaboshi University [Medi caps university], Nov. 6-8, 2025.

D. N. Jyothi, "Shrinkage Limit of Compacted Plain and Fibre-Reinforced Expansive Soils Pre-and Postconsolidation," in Proc. Indian Geotechnical Conf. (IGC 2024), Aurangabad, India, Dec. 19-21, 2024, pp. 47-61, doi: 10.1007/978-981-96-2444-7_4.

Student Achievements & Participation

BuildTech–25, National Symposium – BAI, Mysuru
Participants: Mohammed Adnan, AProfuth Gowda, Mohammed Ramees, Shahid Ahmed (7th Semester)



Catalyst–2025, Intercollegiate Quiz Competition
Participants: 7th Semester Students

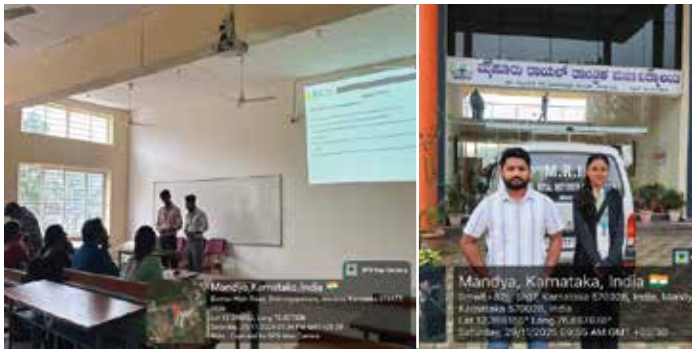
Vidyarjan–2025, VVCE, Mysuru
Participants: Suhana Taj, Alen Christopher, Khushi, Rohan Shetty (3rd Sem), Karthik, Shahid Ahmed (7th Sem)



Anavarana – 2025, ATME Kannada Rajyotsava Winners
Participants: 3rd and 5th Semester Students



Udbhav–2.0, Project Symposium – PROFIT, Mysuru
Participants: Harsha & Team, Mohammed Rameez & Team, AProfuth & Team, Sinchana & Team



Techfest–2K25, PES College of Engineering, Mandya
Participants: Suhana Taj, Khushi S, Abhishek M, Rohan Shetty, Alen Christopher, Ganesh G, Pradhan M, Sarvajith, Siri



Placements

Dhanraj C
(4AD23CV403)
Placed at Cherish Happy Home

Academic Performance – Result Analysis

8th Semester
100% Pass
24 Appeared | 24 Passed | 24 FCD

6th Semester
77% Pass
22 Appeared | 17 Passed

4th Semester
32% Pass
23 Appeared | 7 Passed

2nd Semester
65% Pass
26 Appeared | 17 Passed

Program Specific Outcomes (PSOs)

PSO 1: Provide engineering solutions for infrastructure development through surveying, planning, and estimation.

PSO 2: Address environmental and transportation challenges through sustainable and innovative civil engineering practices.

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