

VASAVI COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

# NIRMAN

*The Newsletter*  
July - Dec 2024

*Volume 11 - Issue 2*

## EDITORIAL BOARD

**Dr. B. Sridhar**

*Professor & HOD*

**Dr. K. Jayasree**

*Associate Professor*

**Ms. R. Sowmya**

*Assistant Professor*

**Muskan Kausar**

*B.E. 2/4 Civil*

**V.Charann**

*B.E. 2/4 Civil*

## COLLEGE VISION

“Striving for a symbiosis of technological excellence and human values”

## COLLEGE MISSION

“To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow.”

## DEPARTMENT VISION

“To strive for excellence in order to make the students better citizens with technical knowledge and social awareness”

## DEPARTMENT MISSION

“To impart knowledge in the latest technologies to the students of civil engineering to fulfill the growing needs of the society.”

- To provide a better understanding of basic sciences and fundamentals of civil engineering.
- To develop competence in latest technologies to serve the industry or pursue higher studies.
- To inculcate professionalism with effective communication skills and ethical values.

- Understand various concepts of basic engineering sciences and mathematics to learn advanced concepts of Civil Engineering and apply them to practical problems.
- Apply principles of various specializations of Civil engineering including structural engineering, transportation engineering, environmental engineering, water resources engineering and Geotechnical engineering to tackle engineering problems.
- Acquire knowledge of ethical practices, communication skills, technical report writing skills and collaborative effort leading to lifelong learning.

PEO'S  
S, OED

POSS  
S, OED

NEWSLETTER

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Đ  
S  
0  
d

# Alumni Connect

**Dr. S. Shankar, Associate professor in Civil Department NIT Warangal, 2003 alumni of Vasavi college of Engineering has been invited to deliver a lecture on “Engineering Career and Human Values” for 3rd, 5th and 7th sem students**



**Sr. Prof. Kumar Molugaram, an eminent academician and distinguished Civil Engineering researcher, and an alumnus of Vasavi College of Engineering, has been serving as the 26th Vice-Chancellor of Osmania University since October 19, 2024. The Management met him and congratulated him on his appointment.**

## Induction Programme

The B.E. Induction Programme for the Academic Year 2024–2025 was successfully conducted with the objective of welcoming newly admitted students and their parents to the institution. The programme served as an introductory platform to familiarize them with the college environment and the respective departments.



# Workshop



A one-day workshop on Industrial Perspectives on Structural Engineering was conducted by Er. Saibaba, Retired Chief Engineer, Indian Railways, and Dr. Padmaja Gokaraju, Vice President (Design R&D), Kirby Building Systems & Structures Pvt. Ltd. Further, Er. T. Srinivas, Adjunct Faculty, delivered multiple lectures including a session on Employability on 14th September 2024 and another on MSME Projects on 17th October 2024

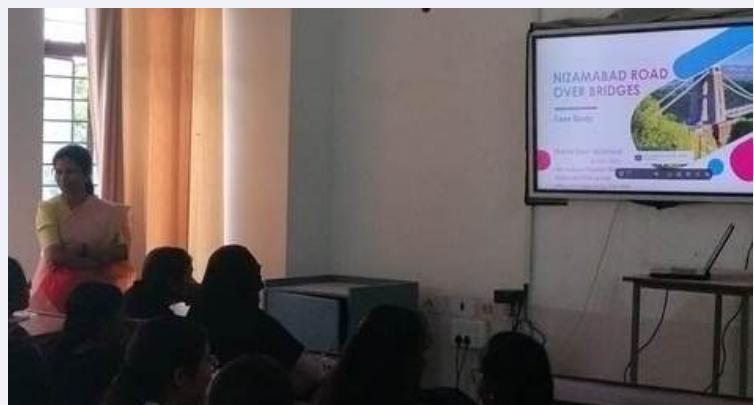


# Learning Beyond the Classroom

The Department of Civil Engineering organized a diverse range of seminars, workshops, and guest lectures aimed at enriching student learning. The academic term began on 24th July 2024 with a lecture and demonstration on Differential Global Positioning System (DGPS) by Mr. Gabriel, Assistant Manager at Lawrence & Mayo, Secunderabad, for fourth-semester students. On 28th August 2024, Mrs. V. Rama Devi, Assistant Executive Engineer, Roads and Buildings Department, Hyderabad, delivered an engaging lecture on Case Studies of RCC and Road Over Bridges Constructed in Nizamabad District for seventh-semester students.

Continuing the series, Er. Surya Prakash, Adjunct Faculty from Satya Vani Projects and Consultants Pvt. Ltd., conducted several lectures on Project Costing and Site Investigation on 3rd September 2024, catering to both seventh and third-semester students. Prof. K.V. Jaya Kumar from NIT Warangal addressed the students on 11th September 2024, delivering lectures on Opportunities in Civil Engineering and Research Proposal Writing.

## Technical Events & Expert Talks



# Technical Events & Expert Talks

The month of September also featured specialized lectures, including Research Funded Projects under the National Program on Nano Science and Technology by Dr. B.L.P. Swami, Retired Professor, JNTUH, and Career Options for Civil Engineers with a Focus on Quality and Challenges for Women in Construction by Ms. Punjala Sujata, an industry professional. On 26th September 2024, Dr. Venkata Dilip Kumar from Mahindra University introduced students to Finite Element Method and Abaqus.



The following month included lectures on Estimation and Costing, Building Planning and Design, and Benchmarking in Projects by Prof. K.V. Jaya Kumar and Er. Surya Prakash. Other notable events included Canal Water Management in Agriculture by Dr. G. Sai Jagadeesh, Applications of Artificial Intelligence in Water Resource Engineering by Dr. Bandita Naik, and Applications of Artificial Intelligence and Machine Learning in Civil Engineering by Ms. Lalitha Kumari of CBIT.

Adding to the inspiration, Ms. Prathima Viswanath, Founder of Ammamma's Brand, spoke on Women Entrepreneurship on 21st November 2024, encouraging students to explore leadership roles in business and innovation.

# Faculty Focus Development & Research Excellence

The faculty members of the department actively participated in various faculty development programs to enhance their academic and research skills. Dr. S. Vijaya Kumar attended an online Faculty Development Programme on Applications of Soft Computing in Civil Engineering from 2nd to 6th September 2024, followed by a workshop on Effective Citation Management with Zotero and Mendeley held on 23rd December 2024. Mr. B. Jagadeesh attended a one-week online FDP on Sustainable Water and Waste Management from 23rd to 28th September 2024, organized by the Methodist College of Engineering and Technology, Hyderabad. Mr. L. S. Reddy participated in a Staff Development Program on Enhancing Reading and Writing Skills for Non-Teaching Staff from 17th to 20th December 2024 at Vasavi College of Engineering.

The faculty also demonstrated strong research engagement. Dr. M.V.S.S. Sastri, Dr. B. Sridhar, and Dr. V. Vinayaka Ram submitted a project proposal titled Development of Novel and Sustainable Nano-Enhanced Alkali Activated Concrete Railway Sleepers with Coarse Recycled Aggregates under the DST Nano Mission–Advanced Materials category. Similarly, Dr. C. Mohan Lal proposed research on Development of Graphene-Infused Composites for Structural Applications, and Dr. S. Vijaya Kumar submitted a project on Use of Nano Materials for Superior Concrete Composites for Sustainability.



# Faculty Focus Development & Research Excellence

Several other faculty members proposed innovative ideas to the ATAL and MSME Hackathon programs, covering areas such as Integrated Approaches to Disaster Management, Urban Mobility and Infrastructure for Smart Cities, Automation of Road Repairs, Sustainable Hydroponic Farming, Eco-Friendly Paver Blocks, and Design of Nano Material-Coated Filters for Arsenic Removal.

Faculty research contributions were also noteworthy. Dr. M.V.S.S. Sastri presented a paper titled Smart Concrete Technologies for Next Generation Roadways at the 3rd International Conference on Mechanical, Materials, and Manufacturing Technology (ICE3MT 2024) held at CVR College of Engineering, Hyderabad, and published two research papers in the IOP Conference Series: Earth and Environmental Science. Dr. B. Sridhar published a paper in Springer's Innovative Infrastructure Solutions Journal, while Mr. N.A.G.K. Manikanta Kopuri published a Scopus-indexed article titled Experimental and Numerical Study on Compressive Behaviour of Concrete Filled Double Tube Columns in The Indian Concrete Journal (August 2024).



# Student Spotlight Awards & Achievements

Under the IEI Professional Body activities, the department organized a Photography Competition 2024 in which S. Sai Saketh and S. T. Nihal won first prizes, while Singari Srivardhan and Abdul Junaid secured second prizes. In the Structural Model Competition organized under the Design Club, K. Sai Laxmi, Singari Srivardhan, G. Rajesh, and Abdul Junaid won first prizes for their innovative designs.



# Student Spotlight Awards & Achievements



The department takes pride in the accomplishments of its students. Ms. Ankam Sindhuja (1602-21-732-303) of final year Civil Engineering was honored as Best Student of the Year 2024 by the Association of Consulting Civil Engineers (I), Hyderabad Centre, for her outstanding academic and practical performance.

*On the national level, Mohammed Farhahn Uzzaman and Mohd Junaid Hussain from the third year won first prizes at Vishnu National Level CADathon – Build Vision 2K24 held on 19th October 2024 at BVRIT, Narsapur. Additionally, Katta Raghavendra, Banothu Koushik, and Yeruva Teja Rishith Reddy secured first prizes with a cash award of ₹5000 each at INNOVHACK 2K24 – National Level 24-Hour BIMathon held on 8–9 November 2024. A team of students also represented the college at the BIM Graphics Hackathon on 9th November 2024 at BVRIT College.*



# CIVENG Hackathon

Adding to the spirit of collaboration, alumni Mr. Aditya Mokkapati (Batch of 2010) and Mr. Arunav Mokkapati (Batch of 2007) sponsored ₹25,000 to support the successful organization of CIVENG Hackathon 2024, an event aimed at encouraging innovation and sustainable development in civil engineering.



## Visits & Collaborations



The CIVENG Hackathon 2024 was a resounding success, encouraging students to think beyond traditional civil engineering practices and focus on sustainable and innovative solutions. The projects demonstrated the students' capability to apply their academic knowledge to solve practical problems, contributing to the broader goals of sustainable development.



# Proud Appointments

## *Alumni in Public Service*

The department celebrates the success of its alumni and students who have been appointed as Assistant Executive Engineers (AEE) in the Government of Telangana. A total of 32 selections were made across departments including Panchayat Raj & Rural Development (8), Irrigation & CAD (10), Public Health under MA & UD (4), Transport, Roads & Buildings (3), Mission Bhagiratha under PR & RD (6), and Town Planning & Building Overseer (1). This remarkable achievement stands as a testament to the department's commitment to excellence and professional growth.

**Vasavi College of Engineering (Autonomous)**  
ACCREDITED BY NAAC WITH 'A++' GRADE, Ibrahimbagh, Hyderabad - 500 031.

**DEPARTMENT OF CIVIL ENGINEERING**

*Hearty Congratulations to 34+ Civil Engineering Alumni  
on Securing Gazetted Positions in Government Sector*

The department extended its knowledge-sharing initiatives through outreach programs organized for diploma students. Two sessions were conducted for 68 third-year, fifth-semester students of the Government Polytechnic College, Masab Tank, Hyderabad, on 12th and 19th October 2024. The programs introduced the students to recent trends, technologies, and career pathways in civil engineering, fostering academic curiosity and industry awareness.

# Outreach Programs



# Industry *Interface*

Industrial exposure formed an integral part of the semester's learning activities. Students of the seventh semester visited M/s Preca Solutions India Pvt. Ltd., Shankarpally, and Kirby Building Systems and Structures India Pvt. Ltd., Patancheruvu, Hyderabad, as part of their curriculum-based industrial visits.



# Building Careers

The placement season brought exciting opportunities for final-year students. On 11th October 2024, M/s K.N. Construction Consultants, Hyderabad, selected eight students for internship positions. The selected students are:

Indranil Badalwar, Chinmayi Nalajala, Dimple Chowdary, Aitha Koushik, Srigadhi Snehal, Tunvi Reddy Dasari, Nalla Abhitha, and K. Sailaxmi.

Their successful placement reflects the department's commitment to industry-oriented learning and hands-on exposure.

## **Management, Principal, HOD-CIVIL, Faculty, Staff and Students of Vasavi College of Engineering**

*Congratulate*



**Dimple Chowdary**  
1602-21-732-015



**Sai Lakshmi**  
1602-21-732-305



**Chinmayi Nalajala**  
1602-21-732-011



**Tunvi Dasari**  
1602-21-732-057



**Koushik Aitha**  
1602-21-732-022



**Snehal Srigadhi**  
1602-21-732-048



**B Indra Anil**  
1602-21-732-007



**Abhitha Nalla**  
1602-21-732-302

On Securing Internship at  **CONSTRUCTION  
CONSULTANTS**

# Reflections-2024

The department organized the Alumni Meet 2024, which witnessed an enthusiastic turnout of alumni. The event provided a valuable platform for interaction, where alumni shared their present professional positions and experiences, making the meet both engaging and meaningful. The department organized the Alumni Meet 2024, which witnessed an enthusiastic turnout of alumni who shared their present professional roles and experiences. In addition, the Civil Engineering 1995 batch also held a reunion in New Jersey, strengthening alumni bonds across borders.



## Dr. Vikram Sarabhai Block

