

Vasavi College of Engineering

DEPARTMENT OF CIVIL ENGINEERING

NIRMAAN

THE NEWSLETTER
JUL - DEC - 2023

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College Vision

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

College Mission

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

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.”

Program Educational Objectives (PEOs):

- 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.

Program Specific Outcomes (PSOs):

- 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

PROGRAM OUTCOMES (PO's)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **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.

Guest Lectures Organized for Students

- Kishore Dasari, Director, MSK consultants and Engineering Pvt. Ltd, Hyderabad addressed BE III semester students of civil Engineering on 22.11.2023 and presented a lecture on MS-Excel.
- Dr. B.L.P. Swami, Retired Professor from JNTUH and former Professor in the Civil Engineering Department at VCE, Addressed BE III semester students on December 18, 2023, and shared his expertise in "Emerging Building Materials".



- Mr. Chandrashekar, Managing Director, CISTSOMAG, Hyderabad visited college on 08.07.2023 and delivered a lecture on "B_EST software which is an Estimation software" for BE VII semester students.
- Er.T. Srinivas, shared his expertise on "Overview of civil engineering" to BE V semester on 14.11.2023.
- M/s. Vishico Overseas Consultant conducted a seminar on "Higher education opportunities abroad" to BE III and V semester students on 23.09.2023.
- A guest lecture by Dr. Venkata Dilip Kumar, Mahindra University, Hyderabad is organised on the topic "Applications of Artificial Intelligence and Machine Learning in Civil Engineering" for BE VII-Semester civil engineering students.
- The Department of Civil Engineering arranged a Guest Lecture for B.E. V-Semester Civil Engineering students on December 2, 2023. This lecture was hosted by Er. Mohammed Rahamthuallah, a distinguished Consulting Engineer from PEBS Pennar, Hyderabad, focusing on the cutting-edge topic of "Pre Engineered Buildings".
- Er.Surya Prakash (Adjunct Faculty), Satya Vani Projects and Consultants Pvt. Ltd. shared his expertise lectures on various topics in civil engineering like "Project costing and appraisal" to BE V and VII semester students.
- On September 27, 2023, BE VII-Semester students participated in a seminar organized by the Global Education & Careers Forum, focusing on the topic of "Thinking of Studying Abroad."
- The Department of Civil Engineering arranged a captivating Guest Lecture for B.E. V-Semester Civil Engineering students on December 9, 2023. This session facilitated invaluable interaction with the esteemed Professor Dr. C.B. Kameshwar Rao, formerly a Professor at NIT Warangal, The focus of his discourse centered on the intricate realm of "Concrete Composite".

Faculty Achievements/Participation

Prof Rama Rao published a text book on Finite Element Method with abacus software and Matlab code.



Department of Civil Engineering conducted an Interaction session by Dr. B.L.P. Swami, Retired Professor, JNTUH, Formerly Professor in Civil Engineering Department, VCE with the faculty regarding Research Funded Projects (SERB-SURE) on 06.12.2023.



Dr.B.Sridhar, Dr. M.V.Rama Rao, Dr. C. Mohan Lal, Dr. S. Vijaya Kumar, Dr. M.V.S.S.Sastri, Dr. K. Jayasree, Mr.G.Srinivas, Mr. G. Raghavendra, Mr. S.Kesav kumar, Mrs. Krati Sharma attended a "One day workshop on "Active & Engaged Learning Initiatives in Teaching (Process Oriented Guided Inquiry Learning) organised by department of Physics on 21. 10.2023.

Dr. M.V.S.S.Sastri, Associate Professor, published a paper on "Stabilizing Black Cotton Soil using iron ore waste", in Two day International conference held during 15-16 June 2023, organized by the Department of Civil Engineering, Dr.D.Y.Patile Institute of Technology, Pune, Maharashtra, and the paper is published by E3S Web of Conferences.

Dr. S. Vijaya Kumar, Associate Professor attended a webinar hosted by QCRETE on July 28, 2023, titled "Pervious Concrete - Can It Mitigate Some Effects of Climate Change."

Dr. M.V.S.S.Sastri, published a conference paper titled "Effect of Addition of Cement in Binary Blended Geopolymer Concrete", in Third International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT-2023), (Hybrid Mode) held during 27th & 28th June, 2023, organized by Poornima College of Engineering, Jaipur, Rajasthan, and the paper is published by IOP Conferences series: Earth and Environmental Science.

Faculty Achievements/Participation

Dr. C. Mohan Lal, Dr. K. Jayasree, Sri. S. Kesav Kumar attended One Week FDP Program on C Programming in Association with CCC, organised by the Department of ECE, which happened from August 7, 2023, to August 12, 2023.

Dr. S. Vijaya Kumar, Associate professor attended a webinar on the topic of "Concrete Pavement Mix Design (IRC-44) and Dry Lean Concrete Mix Design (IRC:SP:49)" on February 09, 2023 organised by Indian Concrete Institute Ghaziabad Center & UltraTech Cement Ltd.

Dr. B. Sridhar, Dr. M.V. Rama Rao, Dr. S. Vijaya kumar, Dr. K. Jayasree, Sri. G. Raghavendra attended a professional seminar on the topic of "Essential Features and Challenges in the Implementation of National Education Policy-2020." headed by Dr. Y. Nasihmulu, Director of the UGC-HRDC, University of Hyderabad.

Alumni Visit



The department organized an alumni visit where students from various graduating classes returned to the college, sharing their professional experiences and inspiring current students to pursue their future endeavors with renewed vigor.



Student's Achievement/Participation

Surveying Camp and Professional practice school is successfully organised by the civil engineering department during 07.08.2023 to 19.08.2023.

The following students got merit awards based on academic performance.

III Semester students

1602-22-732-003 – BANOTH ANOOSHA – 1st Prize

1602-22-732-008 –GADELA HARIKA - 2nd Prize

1602-22-732-017 – T. MAHESH GOUD –3rd Prize

1602-22-732-019 – AVUTA MANISHA – 3rd Prize

V-Semester Students

1602-21-732-022 – AITHA KOUSHIK - 1st Prize

1602-21-732-057 – TUNVI REDDY - 2nd Prize

1602-21-732-011 – CHINMAYI NALAJALA – 3rd Prize

VII-Semester Students

1602-20-732-016 – A. MANOJ KUMAR - 1st Prize

1602-20-732-039 – MANDAVA SRIVIHARIKA - 2nd Prize

1602-20-732-305 – NANDIPATI VINAY - 2nd Prize

1602-20-732-302 –PITTALA SINDHUJA – 3rd Prize

BE V-Semester civil engineering students attended a Seminar on "CAT" by Mr. Shart on 5th October 2023.

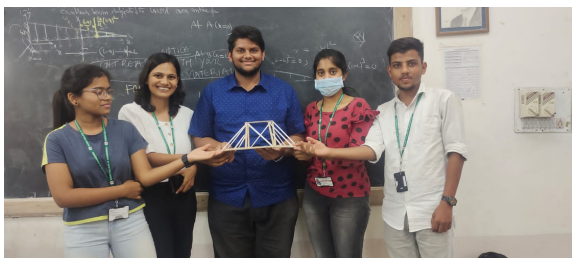
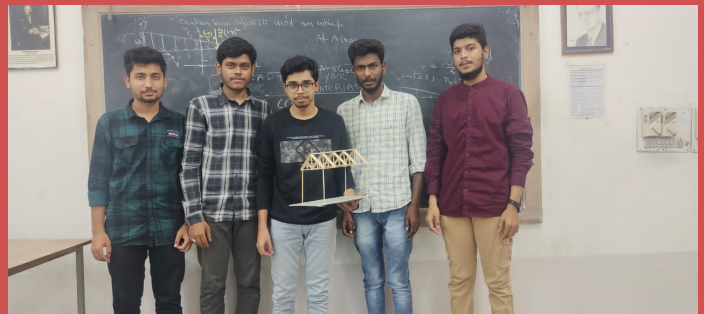


Civil III sem students participated in poster competition " Perspectives in Civil Engineering" organised by ACCE & Ultra tech for the event ACCE(I)- Ultra Tech Awards 2023.

Students of V semester attended a session on "Engineering Your Future: NAVIGATING THE U.S. UNIVERSITY APPLICATION PROCESS" by Education USA and the U.S. Consulate, Hyderabad on 5th December 2023 in Dr. APJ Abdul Kalam Auditorium.



Students of BE III semester participated enthusiastically in model making under CCA activity scheduled on 18.10.2023.



Professional body club activities

As apart of Building Materials and Green Technology club, BE III semester students visited to the Transportation and Concrete labs on 06.12.2023 where the faculty provided an overview of various building materials.



Orientation Program

The Civil engineering department has successfully conducted the orientation program on 04.09.2023 for 2023-2024 batch.



Consultancy Works:

A total revenue of Rs. 24,240 is generated under consultancy works.

Consultancy works for an amount of Rs. 18,800/- has been done. Consultancy work related to concrete mix design and testing of the concrete cubes, is done by the civil engineering department during the month of October 2023 which amounts to Rs. 18,800/- .

An amount of Rs. 2,720/- has been received from the consultancy work related to the testing of cubes, during the month of November 2023.

An amount of Rs. 2,720/- has been received from the consultancy work related to the test of cubes, during the month of 08th December, 2023.



Industrial visits:

BE VII-Semester Students as a part of Industrial visit went to M/s. Preca Solutions India Pvt.Ltd at Shankarpally at Hyderabad on 16.09.2023.

An Industrial Visit has been organized for BE (Civil Engg.) VII-Semester Students to M/s. S.S. Infra in Veldanda, Nagar Kurnool, scheduled for October 20, 2023. Students had the opportunity to explore and gain insights into the operations and practices of the esteemed organization.

An enriching Industrial Visit was conducted for BE (Civil Engg.) III & VII-Semester Students to the prestigious National Remote Sensing Center (NRSC) in Hyderabad on November 20, 2023. A total of 94 students participated in this insightful excursion, where they had the exceptional opportunity to explore the advanced technologies and applications in the field of remote sensing.



Faculty presentations

The Civil Engineering Department conducted faculty presentations on July 19, 2023, featuring the esteemed presence of Dr. V. Vinayak Ram, Professor from the Department of Civil Engineering at BITS Pilani, Hyderabad, as our honored expert.

- Dr. K. Jayasree
- Mrs. P. Dhatri
- Mr. S. Kesav Kumar
- Mr. J. Chaitanya

delivered their presentations.

Faculty presentations were conducted in the Civil Engineering Department on August 11, 2023. The following faculty members delivered their presentations:

- Sri. G. Raghavendra
- Sri. G. Srinivas
- Mrs. R. Sowmya
- Mrs. Krati Sharma.

