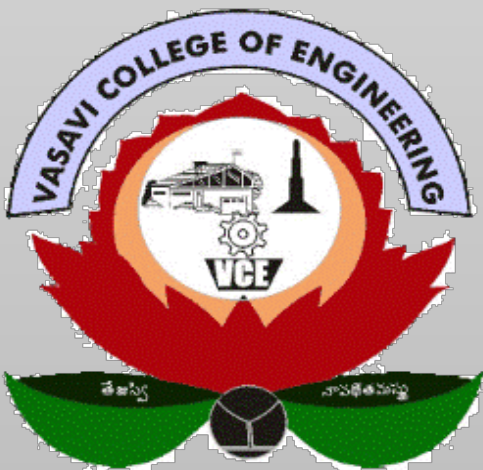


NIRMAAN

-THE NEWSLETTER

Department of Civil Engineering



**VASAVI COLLEGE
OF ENGINEERING**

(AUTONOMOUS)

**IBRAHIMBAGH,
HYDERABAD-500031**

INDIA.

July-December 2020

volume 7; Issue 2.

College

VISION: *”striving for a symbiosis of technological excellence and human values.”*

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”*

MISSION: *“To impart knowledge in the latest technologies to the students of civil engineering to fulfil the growing needs of the society.”*

IN THIS ISSUE.....

- ▶ **PEOs/POs....**
- ▶ **PSOs....**
- ▶ **EDITORIAL BOARD...**
- ▶ **OPUS,DUBAI....**
- ▶ **SEMINARS/WORKSHOPS/GUEST
LECTURES....**
- ▶ **STAFF
PARTICIPATION/ACHIEVEMENTS....**

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

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



PROGRAM OUTCOMES (POS) 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.



PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Understand various concepts of basic engineering sciences and mathematics to learn advanced concepts of Civil Engineering and apply them to practical problems.

2. 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.

3. Acquire knowledge of ethical practices, communication skills, technical report writing skills and collaborative effort leading to lifelong learning.



EDITORIAL BOARD

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(PROFESSOR HOD)

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(BE CIVIL-3/4)

M NITYA SRI
(BE CIVIL-2/4)

OPUS, DUBAI



- ▶ We all heard a lot about Burj Khalifa but this building near Burj Khalifa is beautiful structures the two volumes are united by a low-level podium base that is surrounded by a covered walkway on all four sides, providing ample pedestrian circulation. this is further emphasized with the integration of two separate lobbies, each of which open up onto the four sides of the plot, maximizing access to the tower. the ground floor space of the 21-storey property has been envisioned as a transparent open field whose programs include retail areas that are organized in two zones. at this level there are multiple interlays of different pathways that are drawn into the interior of the plan areas through the two foyers.

SEMINARS/GUEST LECTURES/ TUTORIALS/ PROGRAMMES ORGANIZED

- Dr. C. Mohan Lal, Associate Professor, CED attended Online Short-Term Training Programme (STTP) on “Advances in Finite Element Methods for Industry and Research Applications” on from 3rd August and 7th September
- Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants pvt.ltd conducted lecture on concrete technology on 16th September for 4th year students
- Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants pvt Ltd conducted a session on rate analysis for 4th years on 7th October
- Mr. Chandrashekar, CISTSOMAG, Structural marketing group, Hyderabad conducted session on B_EST software for 4th years on 9th October

Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. Conducted session on intermediate structured for 3rd years on 13th October.

Er.Surya Prakash (Adjunct Faculty), Satya Vani Projects and Consultants Pvt. Ltd. Conducted session on Green buildings and sustainability on 28th October for 2nd years.

STAFF ACHIEVEMENT AND PARTICIPATION

Sri. M.V.S.S.Sastri, Associate Professor attended One Week Faculty Development Program on “Effective Design and Delivery of Curriculum in Outcome Based Education” from 6th July to 10th July 2020 organized by Department of Business Administration, JIT, Nagpur.

Sri. M.V.S.S.Sastri, Associate Professor has participated and completed ISTE approved Five Days Online Faculty Development Program on “Software Application and Research in CivilEngineering” organized by Department of Civil Engineering, A. P. Shah Institute of Technology, Thane from 13 to 17 July, 2020.

Sri. S. Vijaya Kumar, Associate Professor has participated and completed ISTE approved Five Days Online Faculty Development Program on “Software Application and Research in Civil Engineering” organized by Department of Civil Engineering A. P. Shah Institute of Technology, Thane from 13 to 17 July, 2020.

Mr. S. Vijaya Kumar, Associate Professor has Participated in One Week TEQIP - Online Faculty Development Program on “Sustainable Environment-An Engineering Perspective (SEEP: 2020)” from 13th July - 18th July 2020 (Sponsored by Technical Education Quality Improvement Program -III) organized by Department of Civil Engineering, Assam Engineering College Jalukbari, Guwahati

Sri. M.V.S.S.Sastri, Associate Professor has Participated in One Week TEQIP - Online Faculty Development Program on “Sustainable Environment-An Engineering Perspective (SEEP: 2020)” from 13th July - 18th July 2020 (Sponsored by Technical Education Quality Improvement Program -III) organized by Department of Civil Engineering, Assam Engineering College Jalukbari, Guwahati

Dr. B. Sridhar, Professor, completed course on “Mastering bitumen for better roads and innovative” on 16.08.2020 an online non-credit course authorized by École des Ponts ParisTech and offered through Coursera.

Sri. Sri. M. Bhasker, Associate Professor published a journal titled “ Properties of High Strength Concrete with Basalt Fiber and Flyash – An experimental study” High Technology Letters, Vol. 26, Issue 10, on 10th october

Dr. C. Mohan Lal, Associate Professor published a journal titled “Prediction of Compressive Strength of Concrete Using Support Vector Machine for Partial Replacement of Normal Coarse Aggregate with Light Weight Aggregate” High Technology Letters, Vol. 26, Issue 10, ISSN No. 1006-6748 on October 2020.

Mrs. N. Niharika, Assistant Professor published a journal titled “Development of IDF curves for Storm Water Management” High Technology Letters, Vol. 26, Issue 10, ISSN No. 1006-6748 on October 2020.

Mrs. P. Dhatri, Assistant Professor published a journal titled “Partial Coarse Fraction Replacement of Natural aggregate with Recycled aggregate in Flexible Pavements” High Technology Letters, Vol. 26, Issue 10, ISSN No. 1006-6748 on October 2020.

Dr. K. Jayasree, Assistant Professor published a journal titled “GIS Based Behavioral Analysis of Metro Rail Corridor Using Fuzzy Logic Approach” High Technology Letters, Vol. 26, Issue 10, ISSN No. 1006-6748 on October 2020.