Vasavi College of Engineering

(AUTONOMOUS)

IBRAHIMBAGH, HYDERABAD-500031, INDIA

NIRMAAN

-THE NEWSLETTER

DEPARTMENT OF CIVIL ENGINEERING

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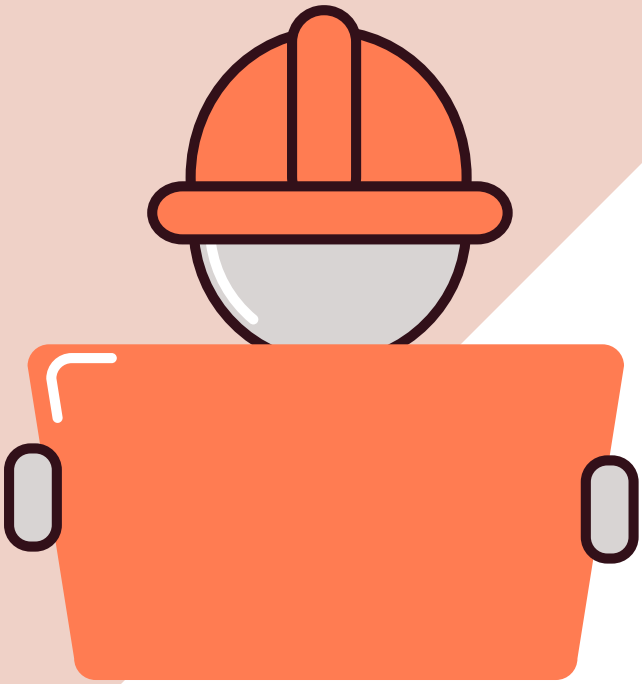


COLLEGE

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."

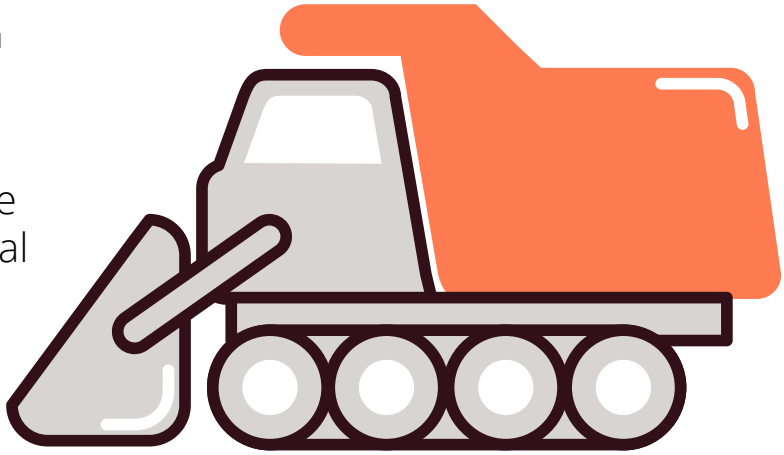
DEPARTMENT

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 fulfill the growing needs of the society."



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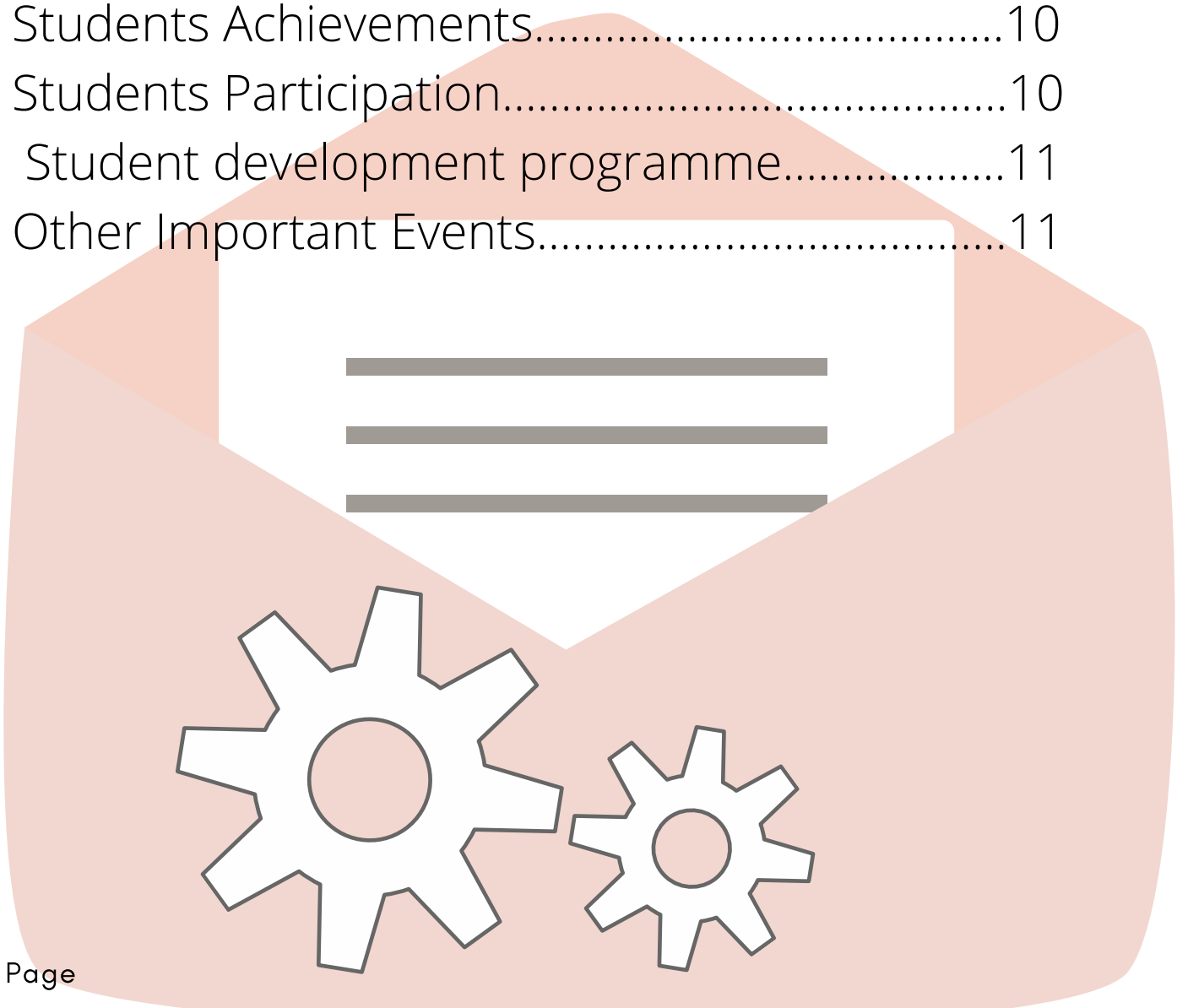


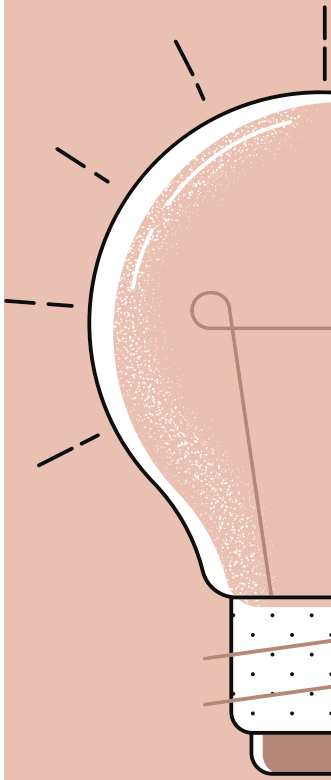
PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To provide a better understanding of basic sciences and the 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 analyse 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 modelling 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 and mathematics to learn advanced concepts of Civil Engineering and apply them to practical problems.
2.Apply principal 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.

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Dancing House - Prague, Czech Republic

The Nationale-Nederlanden building in Prague, also known as the Dancing House, is a bizarre work of architecture. Designed by the Croatian-Czech architect Vlado Milunić and Canadian-American architect Frank Gehry, the Dancing house gets its name from two famous dancers—Fred Astaire and Ginger Rogers.

The "dancing" shape is supported by 99 concrete panels, each a different shape and dimension. On the top of the building is a large twisted structure of metal nicknamed Mary'. In the middle of a square of buildings from the eighteenth and nineteenth century, the Dancing House has two main parts. The first is a glass tower that narrows at half its height and is supported by curved pillars; the second runs parallel to the river and is characterized by undulating mouldings and unaligned windows.

The famous dancers Fred Astaire and Ginger Rogers are represented in the structure. A tower made of rock is used to represent Fred. This tower also includes a metal head. A tower made of glass is used to represent Ginger.[5]

Its deconstructivist style due to its unusual shape (or "new-baroque") was controversial at the time because it stood out so much compared to the baroque, gothic and art nouveau buildings that Prague is known for.

SEMINARS/ WORKSHOPS/ GUEST LECTURES/ TUTORIALS/ PERSONALITY DEVELOPMENT PROGRAMMES/ STAFF DEVELOPMENT PROGRAMMES ORGANIZED

1. Mr. Chandrashekar, of CISTSOMAG, The Civil & Structural marketing group, delivered a guest lecture on “B_EST Software” related to Estimation to B.E. VII-Sem Civil Engineering students on 9th August, 2019.
2. On 10th August 2019, Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered a lecture on "Project Costing” & “Layouts of Plots & Infrastructure” to B.E. III & V-Sem Civil Engineering students.
3. An Interaction session on “Career Opportunities for Engineering” was conducted by K. Sai Prasad, Manager – GATE, TIME Pvt Ltd, for B.E. V-Sem Civil Engineering students on 13th August, 2019.
4. Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. Delivered a guest lecture on ""Concrete Technology layouts of plots & Infrastructure Civil Engineering – Professional Challenges” to B.E. I, III &V-Semester Civil Engineering Students on 13th August, 2019.
5. D.N.S. Nischith, alumni of 2019 batch (placed at Infosys), conducted an interactive session on “Career Orientation towards Software” for B.E. VII-Sem Civil Engineering students on 29th August, 2019.
6. Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered a lecture on “Green Buildings” & “Ethics in Engineering” to B.E. I & III Semester Civil Engineering students on 31st August, 2019
7. Expert Guest Lecture on “Appraisal and Simulation of Flow Down Stream of Sluice Gate” was given by Prof. N. Suresh Kumar and Dr. S.V.S.N.D.L. Prasanna, OU, Hyderabad, on 11th September, 2019 to B.E. VII-Sem Civil Engineering students.

8. On 19th September, 2019, Er. Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered a lecture on "Ethics in Engineering" to B.E. III Sem Civil Engineering students.

9. Er. P. Laxmi Raju, Head, Structural Engineering Department, MSK Consultants and Engineers Pvt. Ltd conducted a workshop on "Utility of latest Software in the Design of Structures" under Industry Institute Interaction for B.E. V & VII Semester Civil Engineering students on 27th September, 2019.

10. A one-day Workshop on "Geotechnical Engineering beyond Classroom" was conducted on 25th October, 2019 for B.E. V & VII Semester Civil Engineering students by Prof. M.R. Madhav, JNTUHCE & IIT Hyderabad, Er. Y. Hari Krishna, Managing Director, Keller Ground Engineering India Pvt. Ltd & Dr. Anasuya Guharay, Assistant Professor, BITS Hyderabad.

11. A lecture on "Detailing of RCC, & Design of Steel Structures was delivered by Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. to B.E. V & VII Semester Civil Engineering students on 29th October, 2019.

12. Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. gave a lecture on Concrete Technology and Site investigations field problems of soils" to B.E. V & VII Semester Civil Engineering students on 8th November, 2019.

STAFF PARTICIPATION / ACHIEVEMENTS:

Ø Dr. M.V.Rama Rao attended the workshop on Industry Perspectives on Civil Engineering"as a resource person. The workshop was conducted by the Telangana Academy of Skill and Knowledge as part of faculty development program for Civil Engineering faculty on 31st July,2019. He delivered a lecture on "Role of Teachers in getting Civil Engineering Students Industry-ready"

Ø Sri. S. Vijaya Kumar, Associate Professor, Department of Civil Engineering presented a paper titled " Mathematical Model for Compressive Strength and Elastic Properties of the Triple Blended Steel Fiber Self Compacting Concrete Based on the Experimental investigation" in the National Conference Futuristic Approach in Civil Engineering" organized by Mahindra Ecole Centrale College of Engineering, Hyderabad from 30th& 31st August, 2019.

Ø Sri. M.V.S.S.Sastri, Associate Professor, Department of Civil Engineering, presented a paper titled "Estimation of Compressive Strength of Concrete by testing the Pozzolanic Reactions of Blended Cement Mortars using Bolomey's Equation" in the International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019 UGC Approved Journal, Scopus Indexed.

Ø Mr. S. Vijaya Kumar, Associate Professor, Department of Civil Engineering, presented a paper titled "Regression Analysis for the Strength Properties of Triple Blended Fibious Self Compacting Concrete" in the National Conference on Innovations in Civil Engineering Through Sustainable Technologies (NICEST-19), organized by MGIT, Hyderabad in 20-21 September, 2019. ISBN:978-93-88808-48

Ø Mr. S. Vijaya Kumar, Associate Professor, Department of Civil Engineering, a research paper titled "Rheological Properties of the Triple Blended Steel Fiber Self Compacting Concrete" in the National Conference on Innovations in Civil Engineering Through Sustainable Technologies (NICEST-19), organized by MGIT, Hyderabad in 20-21 September, 2019. ISBN: 978-93-88808-48-4

Ø Dr. C. Mohan Lal, Associate Professor, attended International Conference presented a technical paper titled "Prediction of splitting tensile strength from compressive strength of fibre reinforced self-compacting concrete using support vector machine" has been accepted for the International Conference on Recent Advances in Civil Engineering Infrastructure (RACEI-2019) to be organized Dept. of Civil Engineering, Muffakkam Jah College of Engineering and Technology (MJCET), Hyderabad during 16th -18th December 2019.

Ø Dr. B. Sridhar, Professor & HOD, Attended International Conference on "Recent Advances in Civil Engineering Infrastructure" (with a focal them of sustainable development goals) as a technical committee member at Muffakam Jah College of Engineering

Ø Dr. B. Sridhar, Professor & HOD attended International Conference on "Hydro 2019 – International Conference (Hydraulics, Water Resources & Coastal Engineering) as an organizing committee member at Osmania University, Hyderabad

STUDENTS' ACHIEVEMENTS:

Ø Mr. G. Aaryavardhun, A. Anuraghavareddy, and P. Hima Bindu BE Civil Engineering students, published a research paper titled "Analogy of Ground Based Rainfall Observations to Satellite Based Observations from TRMM and GPM, in International Journal of Innovative Research in Science, Engineering and Technology" in IJIRSET, Volume 8, Issue 8, May 2019.

Ø The following students are attended Haritha Haram Program under NSS activity on 08.08.2019.

ABHISHEK KULKARNI : 1602-17-732-001
BIRUKURI NAVYASHANTHI : 1602-17-732-018
V. SAI KSHITENDRA REDDY : 1602-17-732-031
PONAKALA SAI VENKAT : 1602-17-732-038
SINGIREDDY SIDHARTHA : 1602-17-732-047
SINGIREDDY SOWMYA REDDY : 1602-17-732-049

Ø The following students attended Symposium seminar organized by GokarajuRangaraju, under IEI and ICI Student Chapter.

B.Karthik : 1602-16-732-013
Ch.V. S. S. Krishna Siddharth : 1602-16-732-031
G. Sai Prakash : 1602-16-732-035
B.Sanjay : 1602-16-732-038
M.Shivani : 1602-16-732-047
A.Sreedhar Gupta : 1602-16-732-049
T. Bhargavi : 1602-16-732-308

Ø The following students are awarded Best Project award for their project entitled "Analogy of Ground Based Rainfall Observations to Satellite Based Observations from TRMM and GPM" at NRSC Hyderabad.

1602-15-732-002 : GUNTUPALLY.AARYAVARDHUN
1602-15-732-07 : A.ANURAGHAVA REDDY
1602-15-732-012 : P.HIMABINDU

OTHER IMPORTANT EVENTS, IF ANY

Ø Department of Civil Engineering was conducted Induction program for I year students. Thirty eight members of students attended the program with their parents.

Ø Department of Civil Engineering proposes to conduct following Engineers Day competitions for B.E 2/4, 3/4 and 4/4 Civil Engineering as per the schedule shown below under Institute of Engineers (India).

Ø Civil Engineering Department has planned to organize an Industrial Visit for B.E. 3/4 Civil Engineering Students as a part of Industrial exposure. Pebs Pennar prefabricated building unit located at Sadashivapet, Sangareddy has agreed to permit the students for the visit on 31st August, 2019.

Ø BE VII Semester Civil Engineering students attempted MOCK GATE -2020 exam conducted by TIME Institute, Hyderabad on 09.09.2019 from 2.00PM to 5.00PM.

Ø Department of Civil Engineering organized Engineers Day celebration on 14th September 2019. Chief guest was Sri. NallaVenkateshwarlu, Engineer-in-Chief, Kaleshwaram Project, Karimnagar.

Ø The Department of Civil Engineering organized Alumni meet on 21.12.2019 (Saturday) in Computer Centre of the Department. A total of 27 Alumni have attended the meet.