

# NIRMAAN

*- The Newsletter*

**Department of Civil  
Engineering**



**Vasavi College of Engineering**

(Autonomous)

Ibrahimbhag, Hyderabad-500031,  
India



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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.

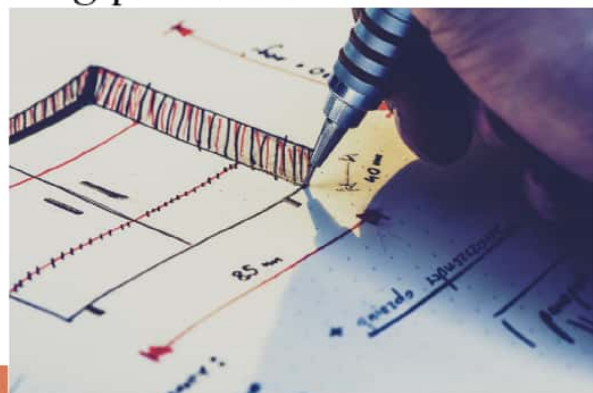
## **PROGRAM OUTCOMES (POs):**

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 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

Dr. B. Sridhar

*(Professor & HOD)*

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*(Professor)*

Sri.M. Bhasker

*(Associate Professor)*

Dr. K. Jayasree

*(Assistant Professor)*

Ms.R. Sowmya

*(Assistant Professor)*

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*(B.E Civil - 3/4)*

T. Phani Poojitha

*(B.E Civil - 2/4)*

Y. Raja saketh

*(B.E Civil - 2/4)*

V. Thanmayee

*(B.E Civil - 2/4)*



# BASKET BUILDING USA

The 180,000 sq. ft. building cost \$30 m to construct and was completed in 1997. It is 7-storeys tall with a central atrium and glass ceiling to provide natural light. It is topped by two steel handles, each weighing 75 tons, which are fitted with heating elements to prevent them from freezing and so protecting the glass atrium below from falling ice. On each side of the top of the building are two gold-leaf-painted 'Longaberger' tags measuring 25 x 7 ft.

In February 2016, after a period of falling profits and staff reductions, Longaberger's parent company JRJR Networks announced that the remaining employees would be moved out from the Newark headquarters.

One of the common problems with mimetic architecture, is its re-sale value, and the future of the Big Basket building has been uncertain. However, there does appear to be popular support in Newark for preserving it as a local landmark, with ideas for future uses including; converting it into a hotel, a multi-family residence, senior housing or an academic building.

Jim Klein, a former Longaberger president who hopes to get the building included on the National Register of Historic Places, said: "The Big Basket is like the St. Louis Arch. It's a really important part of southeastern Ohio history."

In January 2018, it as reported that the Big Basket had been sold to local developer Steve Coon for \$1.2m, considerably less than the asking price of \$7.5m. Coon has not revealed what he intends to do with the building.



## **->SEMINARS/ WORKSHOPS/ GUEST LECTURES/ TUTORIALS/ PERSONALITY DEVELOPMENT PROGRAMMES/ STAFF DEVELOPMENT PROGRAMMES ORGANIZED:**

- Hari Krishnan, Market Intelligence Manager for Officer Highway Tires, Michelin North America Inc, USA delivered Guest Lecture on “An overview of Water and Waste Water Systems” to the BE 3/4 Civil Engineering Students on 07 January,2019.
- An Interaction session on “Preparation for GRE & TOEFL” to B.E. 3/4 Civil Engineering students by Mr. P. Rushyendhar Reddy, pursuing M.S in Masters in Civil Engineering from LATROBE UNIVERSITY, AUSTRALIA on 07 January,2019.
- An Interaction session on “Career Guidance Counseling” for B.E. 3/4 Civil Engineering students by Rukmini, Students Counselor, Vasavi College of Engineering on 09 January,2019.
- Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. Delivered a guest lecture " Design of Reinforced Concrete” to BE 3/4 Civil Engineering Students on 10 January,2019.
- Er. K. Narendar, Design Consultant & Retired Executive Engineer conducted a session on “Automation of Analysis, Design and Drawings of Buildings” under co-curricular activities to BE 3/4 & 4/4 Civil Engineering Students on 24 January,2019.
- Er. S. Eshwaraiah, Chief Engineer, Environment Protection Training and Research Institute (EPTRI), Hyderabad delivered Guest Lecture on “Construction Building Materials - Sustainability” under Institute of Engineers (India) to BE 2/4 Civil Engineering Students on 28 January,2019.

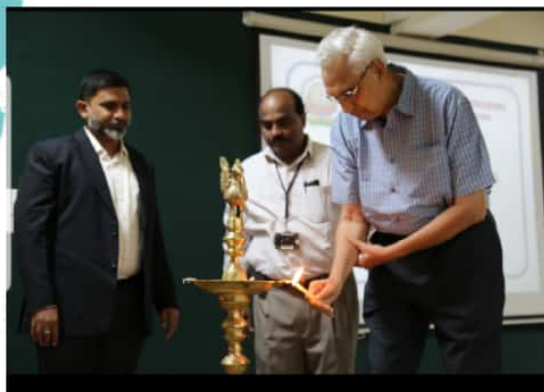




□ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. Delivered a guest lecture on "Steel Structures & Project Discussion" to B.E. 3/4 & 4/4, II-Sem Civil Engineering Students on 06 March,2019.

□ Sri. R. Venkata Shiva, Assistant Professor, CBIT, Hyderabad Delivered a guest lecture on "Career Guidance for preparation in IES, IAS & Other Competitive Exams" to B.E.VI-Sem Civil Engineering Students on 02 April,2019.

□ Sri. P. Radha Krishna Prasad, Associate Professor, CBIT, Hyderabad Delivered a guest lecture on "Career Guidance for preparation in GRE, TOFFEL & Other Competitive Exams" to B.E.VI-Sem Civil Engineering Students on 02 April,2019.



□ R. Rupendar Reddy, Alumnus of 2018 Batch delivered a lecture on "Career Guidance- Preparation of GATE Exam and Competitive Exams" to B.E. VI-Sem. Civil Engineering Students on 02 April,2019.

□ Dr. M. Shashi, Assistant Professor, NIT, Warangal Delivered a guest lecture on "Advanced Technologies in Surveying" to B.E.IV-Sem Civil Engineering Students on 03 April,2019





□ An Interaction session on “Utilisation of Micro Fine Materials in Concrete Performance” by Sapna Devendra, Ambuja Cements, Hyderabad to B.E. 2/4 & 4/4, II-Sem Civil Engineering Students on 01 February, 2019.

□ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. Delivered a guest lecture "“High Rise Buildings” to BE 2/4 Civil Engineering Students on 24 January,2019.

□ An Interaction session on “Consultancy Services in Civil Engineering” for B.E. 2/4 & II sem Civil Engineering students by Mr. B. Anudeep, M.S (Structures) working as Structural Engineering in Pragathi Consultants, Hyderabad on 27 February,2019.



□ Raju and Sunil, Ultra Tech Cement, Hyderabad., conducted a workshop session on “Good Construction Practices” under IEI activity to B.E. 2/4 & 3/4, II-Sem Civil Engineering Students on 28 February, 2019.

□ Mr. A. Saibaba, Chief Engineer in Indian Railway Delivered a guest lecture on " Global trends in sustainable design of Long span bridges” to B.E. 2/4 & 4/4, II-Sem Civil Engineering Students on 23 March, 2019.

## ->STAFF PARTICIPATION/ACHIEVEMENTS:

- Dr. C. Mohan Lal attended National Conference on Advances in Structural Technologies (COAST 2019) during 1-3 February 2019. My technical paper titled “Prediction of Compressive Strength of High Strength Fiber Reinforced Concrete using Artificial Neural Networks”.
- Dr.M.V.Rama Rao, Professor in Civil Engineering, delivered an expert lecture on the topic “Importance of Teaching and Research in Civil Engineering Education” at the two day Technical fest organized by the Department of Civil Engineering, Lords Institute of Engineering and Technology, Hyderabad in collaboration with M/s Smart Infrastructural Services Trust, Hyderabad on 28th March,2019.



- The following staff members attended the examination of NPTEL online certificate courses  
Dr. G. Shravan Kumar Mrs. P. Dhatri  
Dr. M. Srinivas Dr. K. Jayasree  
Dr. T. Srinivas Sri. J. Chaitanya  
Sri. M.V.S.S.Sastri
- Sri. M. Bhasker, Associate Professor was completed Coursera on “Introduction to Engineering Mechanics” – Georgia Institute of Technology.
- Dr. K. Jayasree, Sri. S. Kesav Kumar, Assistant Professors of Civil Engineering Departments attended 106th Orientation Course UGC-Human Resource Development Centre University of Hyderabad on 30.05.19 to 19.06.19.



## ->STUDENT'S ACHIEVEMENTS:

- a. Students of BE IV semester attended E Summit organized by our ED Cell, Swayam of Vasavi College of Engineering on 19th & 20th of January, 2019 at Tagore Auditorium, Osmania University from 9:30 am - 5:30 pm.
- b. Students of BE IV semester and BE VI semester attended a live session on "Pariksha Pe Charcha 2.0" on 29th January, 2019 at 11.00AM at QEEE Hall, JC Bose Block.
- c. Mr. Lingam Shiva Nischal (1602-15-732-043) of BE 4/4 Civil Engineering has won a Harsha Vardhan Podipireddy Memorial "Young Leader Award -2018" at Vasavi College of Engineering on 16th March, 2019.

□ The following is the list of students who had appeared for personal Interviews with M/s. Vertex Homes Pvt Ltd. on forenoon 23.03.2019.

1602-15-732-007 A ANURAGHAVA REDDY

1602-15-732-023 PALLERLA RAMA KRISHNA

1602-15-732-036 KONDURU SAINATH

1602-15-732-055 MOORTHALA THIRUPATIREDDY

- d. The following students got shortlisted and attended Interview at L&T's BIS (Build India Scholar ship) on 30.03.2019.

B. Pavan Kumar 1602-15-732-310

Bolla Srikanth 1602-15-732-047

Moorthala.Thirupatireddy 1602-15-732-055





## ->OTHER IMPORTANT EVENTS:



a. The following staff members are visited IIT, Hyderabad campus on 10.01.2019 for labs modernization purpose.

- Dr. B. Sridhar, Professor & HOD, CED
- Sri. M. Bhasker, Associate Professor, CED
- Dr. M. Srinivas, Associate Professor, CED
- Sri. M.V.S.S.Sastri, Associate Professor, CED
- Mrs. P. Dhatri, Assistant Professor, CED
- Sri. S. Kesav Kumar, Assistant Professor, CED



b. Civil Engineering Department faculty has facilitated Dr. M. Kumar, Alumni of Civil Engineering Department as Principal, OU College of Engineering, Osmania University, Hyderabad.

