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2018-2019

CESSA

Civil Engineering Students Association

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INSTITUTE VISION

To be a globally recognized premier technical institution by developing visionary engineers, who are ethical and globally competent.

INSTITUTE MISSION

- ✓ To provide a conducive platform for the future engineers, where research and innovation flourishes.
- ✓ To imbibe the necessary knowledge, skills and qualities that makes them globally employable.
- ✓ To inculcate an entrepreneurial spirit preparing them to meet the societal needs at large.

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CIVIL ENGINEERING STUDENT ASSOCIATION

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DEPARTMENT VISION

To be a high-Quality technical education provider towards research, Consultancy, Entrepreneurial and Outreach services in the field of Civil Engineering.

DEPARTMENT MISSION

M1: To provide a student centric teaching– learning environment towards Competency

M2: To motivate research and entrepreneurial initiatives in civil engineering

M3: To inculcate ethical values and serve the society with high order professionalism

PROGRAM OUTCOMES (PO'S)

Engineering Graduates will be able to:

- PO 1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 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.
- PO 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.
- PO 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.
- PO 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.
- PO 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.
- PO 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.
- PO 8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO 9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 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.
- PO 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.
- PO 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 EDUCATIONAL OBJECTIVES (PEO'S)

- **PEO1:** To produce graduates with strong foundation of domain knowledge in the field of civil engineering.
- **PEO2:** To produce graduates who can successfully pursue entrepreneurial and research in the field of civil engineering.
- **PEO3:** To produce graduates who can practice their profession and communicate effectively either individually or in groups to meet the needs of the industry.
- **PEO4:** To imbibe in graduates a desire for lifelong learning moulded with professional and ethical values suitable to society.

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Civil Engineering Students Participated In Swachh Kalasala Programme In Association With Nss

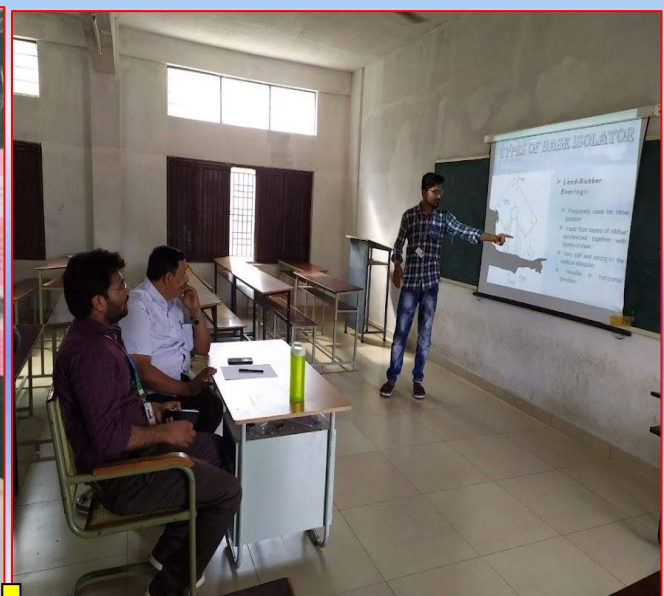


Field visit for B.tech final year civil engineering students and Procedure explaining by the site engineer and some important points noted by the students



**SRI KODALI
SRINIVASARAO,
RESOURCE PERSON
FOR "DGPS"
IMPARTING FIELD
TRAINING TO THE
CIVIL ENGINEERING
STUDENTS**

**DEMONSTRATION
OF THEODOLITE TO
THE SECOND BTECH
STUDENTS AS PART
OF THEIR
CURRICULAM BY THE
SENIOR STUDENT**



POSTER AND PAPER PRESENTATION COMPETITIONS DURING UDGOSH, A TECHNO, CULTURAL AND SPORTS EVENT. PROF J KISHORE BABU, JUDGE OF THE COMPETITION LISTENING TO THE PARTICIPANTS



CIVIL ENGINEERS -WE BUILD LADDERS TO SKY