



DEPARTMENT OF CIVIL ENGINEERING

Kakatiya Institute of Technology & Science, Warangal

Newsletter



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Vision of the Department :

The Vision of the department is to become a leading centre of excellence in producing quality human resource in civil engineering by developing a sustainable technical education system to meet the changing technological needs of the Country. The Department will make significant contributions to the economic development of the state, region and nation.

Mission of the department

- To produce outstanding Civil Engineering graduates with highest ethics
- To impart quality education in civil engineering to raise satisfaction level of all stake holders.
- To serve society and the nation by providing professional civil engineering leadership to find solution to community, regional and global problems and accept new challenges in rapidly changing technology.

Programme Educational Objectives (PEOs): The Programme Educational Objectives (PEOs) of the civil engineering program are designed to produce skilled engineers who are ready to contribute effectively to the civil engineering profession and are ready to handle the challenges of the profession. The Programme Educational Objectives (PEOs) are defined considering the opinion of all the stakeholders .

PEO 1	Demonstrate professional competency in varied fields of engineering industry and/or pursue higher education by nourishing mathematical scientific and engineering precepts.
PEO 2	Investigate, analyze and design solutions to complex civil engineering problems ensuring safety, sustainability and ecological harmony.
PEO 3	Exhibit professionalism by transferring latest technology and understanding societal impacts to protect interests of the public at large.
PEO 4	Develop competence by engaging in lifelong learning, in order to integrate ethics, economics and equity.

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	Engineering knowledge
PO2	Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	Problem analysis
PO3	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.	Design/development of solutions
PO4	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.	Conduct investigations of complex problems
PO5	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.	Modern tool usage
PO6	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.	The engineer and society
PO7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	Environment and sustainability
PO8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	Ethics
PO9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings	Individual and team work
PO10	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.	Communication
PO11	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.	Project management and finance
PO12	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.	Life-long learning

“Nothing can be of great worth or holy which is the work of builders and mechanics.”

- Zeno, Stoic Philosopher



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Program Specific Outcomes (PSOs) :

PSO 1	Apply fundamental computational methods and elementary analytical techniques in sub-disciplines related to civil engineering
PSO 2	Design civil engineering structures, component or process to meet desired needs with appropriate consideration for the public health and safety, cultural, societal, sustainability and environmental considerations
PSO 3	Appreciate professional and ethical responsibility concerning legal, contemporary, environmental & cultural issues and consequent responsibilities relevant to the professional engineering practices and norms of civil engineering practice code.
PSO 4	Appreciate the role of research in civil engineering practice and recognize the need for and to engage in life-long learning in civil engineering and allied domains as relevant to rapidly changing technology.

Chief Editor Message:

It gives me immense pleasure in welcoming NEWSLETTER, on behalf of the entire campus community of KITS Warangal. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. This inaugural issue is a brief account of the important events of Civil Department. I congratulate all those who have contributed in bringing out this issue. I hope this newsletter will inspire all of us for a new beginning enlighten with hope, confidence and faith in each other.

- Dr.K.Ashoka Reddy, Principal

Editor Message:

I was given the privilege to serve as the chief editor of this newsletter which gives me great opportunity to present the first issue of this newsletter. In this context, these editorial standards are set forth to give readers and contributors a clear idea of what they can and should expect from the newsletter

- Dr. L. Sudheer Reddy, HOD

Editor In-charge Message:

It is with great honour and great pleasure for me to involve in laying the groundwork of this newsletter. I congratulate the Editorial Team for their hard work in producing this Newsletter. I am absolutely certain that the best is yet to come. I hope that you will enjoy reading this newsletter

- Dr. M.Andal, Professor, CED

Students of 2nd Year have actively participated in the **TECHNOZION 2K18**, conducted by NIT , Warangal and have received awards , cash prize and merit certificate.

The students who received cash prize, awards are

S.No	Student Name	Prize
1	P.Alekhyia (II/IV)	1 ST Prize in PPT
2	L.Praneeth (II/IV)	1 ST Prize in PPT
3	Md.Faiz Ahmed (II/IV)	2 nd Prize in BRIDGE FABRICO
4	B.Vamshi (II/IV)	2 nd Prize in BRIDGE FABRICO
5	Raja Harshini (II/IV)	2 nd prize in CITY DESINYO,3 rd prize in BRIDGE FABRICO
6	G.Sai Eshwary (II/IV)	2 nd prize in CITY DESINYO,3 rd prize in BRIDGE FABRICO
7	A.Rashmija (II/IV)	3 rd prize in BRIDGE FABRICO



CIVIL ENGINEERING ASSOCIATION 2018 :

The Civil Engineering Association (CEA) is the premier body of Civil Engineering Department in KITS and is formed out of voluntary enthusiasm and extreme passion of its students to discover the deepest knowledge of their interests. Under the extraordinary guidance of Head of the department, faculty and with their unconditional and invaluable support, students here in the association improve their every skill and strive with an obsession of carving their capabilities to perfection and mastery.

DATE	NAME OF THE ACTIVITY	NO.OF PARTICIPANTS
23-07-2018	Inauguration of CEA	110
13-08-2018	Video Synthesis	75
20-08-2018	Technical Discussion	120
17-09-2018	Presentation on management by Y.Shiva Prasad	120
24-09-2018	Expert lecture by Dr.N.Darga kumar, JNTU, Manthani.	120
01-10-2018	Expert lecture on geology by Dr.Srinivas Varma, KU, Warangal	120
08-10-2018	Success meet of Sumshodhini 2k18	100



Expert lecture by Dr.N.Darga Kumar



Sumshodhini 2k18

Sumshodhini – 18, a National Level Technical Symposium scheduled from 4-6 October 2018, is being conducted collaboratively by all the departments of KITSW.

- This event includes many departmental activities such as Powerpoint Presentations, Streak cadd, Cubers MPA, Dark minds model & Miemo.

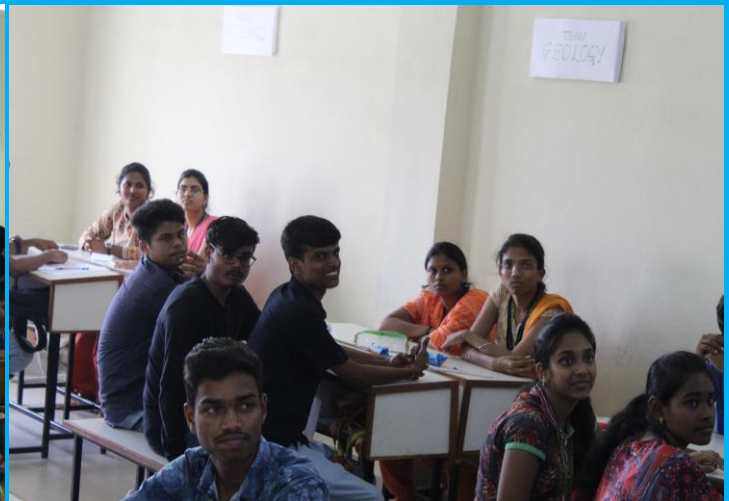
EDIFICYS:-

A Workshop on designing of structures by **STADDPRO** was held in collaboration with ITG. In this workshop the expert explained the participants in detail about the structural design and action of various loads on structures. And also the expert explained in detail how to design a structure in staad pro and the students participated actively in this workshop. Nearly 120 students from our college and 30 students from various colleges of India have participated in this workshop.

Various other events like **Streak Cadd, Cubers MPA, Dark Minds Model, Miemo** had attracted the students and improved their technical knowledge.



Students participating actively in Workshop



Students participating in Dark Minds Model



Student presenting their model in MIEMO event



Distribution of Merit certificates to students