



Department of Civil Engineering

Kakatiya Institute of Technology & Science, Warangal - 15



JULY 2017

Volume 5, Issue 2

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Editor In-charge: Dr. M. Andral, Assoc. Professor

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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.

PEO1	Apply fundamental technical knowledge and skills to find creative solutions to challenges and problems in various areas of basic sciences and engineering.
PEO2	Able to analyze, design and use skills in order to formulate and solve civil engineering problems.
PEO3	To practice civil engineering in a responsible, professional and ethical manner to implement eco- friendly sustainable technologies for the benefit of industry and society
PEO4	Able to take up higher education, engage in research and development in civil engineering and allied areas of science and technology

Program Outcomes (POs): Engineering Graduates will be able to

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

Program Specific Outcomes (PSOs):

PSO1	Apply fundamental computational methods and elementary analytical techniques in sub-disciplines related to civil engineering.
PSO2	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
PSO3	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.
PSO4	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.



“The only limit to our realization of tomorrow will be our doubts of today.”

- Franklin D. Roosevelt

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. It would be a snapshot of the various activities and advancements for Civil that reflects the progress and achievements by the students and faculty members. 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. P.Venkateswara Rao

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.

- Prof. L. Sudheer Reddy

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

Civil Engineering Association 2016-17

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.

DATE	NAME OF THE ACTIVITY	NO.OF PARTICIPANTS
10 th Feb,2017	Expert Lecture by Dr.Prakasam Tata , President, BharathiTheertha& Executive Director, Center for the Transformation of Waste Technology, Naperville, IL USA on <i>Activities & Opportunities for Interagency Collaboration</i> .	136
13 th March,2017	Expert lecture on Case studies in civil engineering by Dr. V. Ramana Murthy, Associate Professor, CED NITW	140
30 th March,2017	Expert lecture on 'Civil Engineering in profession', by Sri. K. Srinivas, Asst. General Manager, TCE HYD	155



Civil Engineering Association 2016-17

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
02 nd Jan, 2017	Guest lecture by Mr. C. Vikas, Alumni KITS Warangal on Hyderabad Metro Rail	145
09 th Jan,2017	General Debate on ‘IMPACT OF DEMONETIZATION’	42
16 th Jan,2017	‘Brain Storm Session’	38
20 th Jan, 2017	Expert lecture on Environmental Sustainability And Waste Water Treatment by Sri. P. Syama Sunder	140
23 rd Jan,2017	Expert Lecture on ‘DREDGING – Reclamation of Land’ by Sri. K. Srujan Varma, Assistant Professor, CED KITSW	80
25 th Jan,2017	‘Interactive Session’, with Mr. V. B. Nijampure, CTS Zonal Head and Mr. S. S. Rao AP & TS Head, JK Cements LTD.	132
13 th March,2017	Expert lecture on Case studies in civil engineering by Dr. V. Ramana Murthy, Associate Professor, CED NITW	140
20 th March,2017	A Session of Group discussion	20
30 th March,2017	Expert lecture on ‘Civil Engineering in profession’, by Sri. K. Srinivas, Asst. General Manager, TCE HYD	155

STUDENT PLACEMENT ACHIEVEMENTS(16-17)

(a)No. Of students placed on campus: (26)

(b) No. of students placed off campus: (14)

Sl.no	Name of the Company	No. students Placed
01	Raster engineers Pvt ltd	06
02	Tech Mahindra	04
03	SIA Group	03
04	RSV Bridge Construction	05
05	MOLDTEK	08

Sl.no	Name of the Company	No. students Placed
01	Design tribes (India) pvt ltd.	06
02	Riches IT	05
03	Aparna Constructions.pvt.ltd	03

“No problem can be solved from the same level of consciousness that created it.” – Albert Einstein

SUMSHODHINI 2017

Sumshodhini'17 a National Level Technical Symposium scheduled from 16th – 17th February 2017 is being conducted collaboratively by all the departments of KITSW. This event includes many departmental technical events such as Workshop on Building Planning & Execution considering Vaastu using AutoCAD, Power Point



KAKATTIYA INSTITUTE OF TECHNOLOGY & SCIENCE
An Autonomous Institute under Kakatiya University

SUMSHODHINI '17

FEBRUARY 16TH TO 18TH
DEPARTMENT OF CIVIL ENGINEERING

EVENTS

- Power Point Presentation (Per Head 100/-)
- Brain Rush (Per Head 100/-)
- Maze Runner (Per Head 100/-)
- admad (Per Head 50/-)

EVENTS

- Forensic Fantastcity (Per Head 200/-)
- Tech Treasure (Per Head 50/-)
- CONCRETIX (Per Team 300/-)
- replica (Per Head 50/-)

WORKSHOP:
Building Planning & Execution
Considering Vaastu Using Auto Cad (Per Head 500/-)

Win Exciting Prize Upto 10,000/-

Head of Dept. **Dr. L. Sudheer Reddy**
Faculty Co-Ordinator **MD. Shakeel Abid**
SAG Dept. Co-Ordinator **K. Srujan Varma**

Registrations are limited

Student Co-Ordinators : P. Predeep - 9985766090 & M. Abhinav - 9703053542
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Presentations, Concretix, Forensic Fantastcity, Tech Treasure, Brain rush, Maze runner and many Spot events. Students in a large number from Civil Engineering Department and other departments had participated actively in various events. The participants also include students from other institutions. Participation in various events enhanced the technical and non technical skills of students. Cash prize and certificates were awarded to the active participants of each event.