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# Department of Civil Engineering

Kakatiya Institute of Technology & Science, Warangal -15

Newsletter



Vol 4, Issue 1

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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, review 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 strongest people aren’t always the people who win, but the people who don’t give up when they lose.”



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**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.

- Prof..K. GURU RAJ

**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. S.G. Narayana 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.

- Smt.M. Andal

**BRIEF REPORT ON INDUSTRIAL CONSULTANCY CELL (ICC)**

A full-fledged Industrial Consultancy Cell has been in existence since 2004 to extend the consultancy services offered to various Government and Private Organizations. The cell aims at building up better Industry-Institute Interaction by expanding the consultancy network of the departments, providing a platform to train the undergraduate & postgraduate students to face the real field problems and transferring the technology from academicians to field personnel and vice versa. It has proposals to organize Seminars, Workshops and Training camps for practicing engineers to update their knowledge. Efforts are being made to provide Quick and Quality consultancy services as per standard norms and procedures.

**STUDENTS TRACK RECORD**

The following students have been selected into Government sector as Assistant Executive Engineers.

<b>S.No</b>	<b>Name of the student</b>
1.	KALYANAPU NITIN(11016T0025)
2.	K.UMA MAHESWARA RAO(11016T0033)
3.	CHIDURALA CHETAN(11016T0021)
4.	MUDDAM STEEVAN(11016T0022)
5.	M. MOUNIKA(11016T0007)
6.	SAMANTULA NAVYA(11016T0031)
7.	B. KALPANA(11016T0026)
8.	CH. ROHITA(11016T0038)
9.	T. NIKITHA(11016T0037)
10.	GUDURU SOWMYA
11.	S.AKHIL KUMAR(11016T0011)
12.	AKKINEPALLI. NAVEEN(11016T0053)
13.	T. SANDEEP(11016T0041)
14.	M. SRUTHI(11016T0010)
15.	V.SRAVANI(11016T0005)
16.	M. BHAVANA(11016T0050)
17.	YASAR WAHIB (11016T0001)
18.	NAZMA KHANNAM(11016T0016)
19.	T.GANESH(12016T0053)
20.	T. MANITEJA(11016T0027)
21.	P. PRASHANTH

## UPCOMING EVENTS

### SUMSHODHINI' 16

Sumshodhini'16, a National Level Technical Symposium scheduled from 22-23 March 2016 is being conducted collaboratively by all the departments of KITSW. This event includes many departmental activities such as Paper Presentations, Project Presentation, Terra mind, Beat-d-euclid, Concretia, Total station and Spot events.

### Immortal Indian Legend

- by G. Vasista Sharma

You were born as light,  
you were born to [enlighten](#).  
Your birth is an [incarnation](#)  
of [infinite](#) knowledge and [wisdom](#).  
Oh inborn [intellect](#),you are [immortal](#)!  
Oh divine incarnation,you are eternal!  
You were born as courageous,  
you were born to encourage.  
Your resonant [voice](#),vibrant words  
transformed every sheep being into a lion.  
Oh leonine legend,you are immortal!  
Oh mighty monk,you are eternal!

Your solid self in look,  
is an ocean of unselfishness in form.  
Your honest and [humble](#) heart  
is full of desire less love for [mankind](#).  
Oh astounding altruist,you are immortal!  
Oh great human lover,you are eternal!

Your extraordinary thought process  
[unified](#) both [science](#) and spirituality.  
All our foolishness is washed out  
with the flush of your enormous wisdom.  
Oh spiritual [master](#),you are immortal!  
Oh thought thunder,you are eternal!  
Your unflinching affection on the nation,  
lifted the land's glory to the heights of heaven.  
Your [boundless](#) concern on fellowmen,  
beautified the brotherhood among our brethren.  
Oh perfect patriot,you are immortal!  
Oh true son of the soil,you are eternal!

As long as this grand [creation](#) holds the life,holy  
shrine [India](#) shines on the earth with emanating  
brightness called "[Swami Vivekananda](#)".  
- A tiny [tribute](#) to his holiness on the account of  
his 150th birth [anniversary](#).