



Department of Civil Engineering

Kakatiya Institute of Technology & Science, Warangal - 15



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Chief Patron: Capt. V. Lakshmikantha Rao, Secretary & Correspondent

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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.

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| 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

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| 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) :

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|------|---|
| 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. |



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. 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

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.



SPACE 2017 (SUSTAINABLE PRACTICES AND ADVANCES IN CIVIL ENGINEERING -2017)

In view of the various aspects related to sustainability, department of civil engineering, KITSW has organised a one day National conference on SUSTAINABLE PRACTICES AND ADVANCES IN CIVIL ENGINEERING (SPACE 2017) on 1st Sept 2017 to focus attention of engineers, faculty, research scholars and builders to assess the emerging trends in construction. Two technical keynote speeches were given by Dr. M. R. Madhav, Visiting Professor, IIT Hyderabad, Professor Emeritus, Civil Engineering, JNTUCEH, Hyderabad and Dr. D. Ramaseshu, Professor, Civil Engineering, National Institute of Technology, Warangal. The conference had provided an international forum for researchers, developers and academician who are involved in real time projects and research that provide solutions to exchange their valuable ideas and showcase the ongoing works which may lead to path breaking foundation of the futuristic engineering.



SPACE 2017 (SUSTAINABLE PRACTICES AND ADVANCES IN CIVIL ENGINEERING -2017)

“Think out of box to evolve sustainable practices in engg”

OUR BUREAU

Warangal: Faculty, researchers and students should think out of the box to evolve sustainable practices in engineering, advisor for Center for Climate Change Sustainable Solutions, ESCI, BV Subba Rao said.

He said sustainable practices have greater importance in the present day situation and they should be incorporated in developing latest technologies related to structural engineering, environmental engineering, geotechnical engineering and others. Subba Rao addressed a gathering at one-day national conference on ‘Sustainable Practices and Advances in Civil Engineering (SPACE)’ organised by civil engineering department of Kakatiya Institute of Technology and Science, Warangal (KITSW) here on Friday.

Emeritus professor, JNTUCEH M R Madhav and professor from NIT, Warangal D Ramaseshu have



Guests at national conference on sustainable practices in engineering releases a brochure at KITS Warangal on Friday

delivered key note addresses at the inaugural session. 48 technical research papers were presented by delegates from various institutes around the nation on sustainable Practices and advancements.

The college director Y Manohar, treasurer P Narayana Reddy, principal Prof P Venkateswara Rao, conference organising secretary Md Shakeel Abid, dean, administration Prof P Ramesh Reddy, dean academics Prof C Venkatesh and others were present.

SPACE 2017



KEY NOTE ADDRESS BY DR.M R MADHAV, Professor Emeritus Civil Engg JNTU HYD

SUMSHODHINI 2.0

Sumshodhini'17, a National Level Technical Symposium scheduled from 12 - 14 Oct 2017 is being conducted collaboratively by all the department of KITSW. This event includes many departmental activities such as (Paper Presentations, Concretrix Workshop, DGPS)



వరంగల్ లభిస్తే • అదివారం 15 అక్టోబర్ 2017 **ఆంధ్రజ్యోతి**

సాంకేతిక నిష్ణాతులుగా ఎదగాలి

కీట్స్ కళాశాల డైరెక్టర్ మనోహర్

హాస్పిటల్: ప్రతి ఐంటర్నల్ విద్యార్థి సాంకేతిక ప్రాజెక్టులను తయారుచేసి సాంకేతిక నిష్ణాతులుగా ఎదగాలిని కీట్స్ కళాశాల డైరెక్టర్ వైమనేహర్ సూచించారు. శనివారం ఎర్రగట్టుగుట్ట వద్ద గల కీట్స్ ఐంటర్నల్ కళాశాలలో జరిగిన సాంకేతిక సదస్సు సందర్భంగా ముగింపు కార్యక్రమం జరిగింది. సదస్సులో నేతృత్వం వహించిన సాంకేతిక వైపు జ్యూజులు తమ ఐంటర్నల్ కోర్సులో వాడుకోవాలన్నారు. సందర్భంగా ప్రతి విద్యార్థి ప్రాజెక్టులను రూపకల్పన చేసుకోవాలన్నారు. ఈ కార్యక్రమాన్ని ఐడిఎస్ సొసైటీ పర్ డిక్రీటర్ ఎమ్మకేఎస్ సహకారంతో నిర్వహించినట్లు తెలిపారు. అనంతరం కళాశాల ప్రెసిడెంట్ పీవెంకటేశ్వరరావు మాట్లాడుతూ ఈ సందర్భంగా డిజిటల్ పార్కింగ్ దాగి ఉన్న సాంకేతిక సృజనాత్మకత వెలికితీయాలన్నారు. విద్యార్థులు తమ కోర్సులో వాడుకోవాలన్నారు. ఈ సందర్భంగా డిజిటల్ పార్కింగ్ సిస్టమ్, రోబోవార్, రోబోవర్, సైబన్ ప్రోగ్రామింగ్, స్పాన్సర్డ్ రూపకల్పన, ఆంధ్రాడౌట్ ఆఫ్, బిజినెస్ క్లిక్ అంశాలను ప్రదర్శించారు. వీటిలో గలుపొందిన విద్యార్థులకు బహుమతులు అందజేశారు. కార్య

స్టూడెంట్ నమూనాలతో విద్యార్థులు

ప్రకాశం ప్రోగ్రాం కన్వీనర్ కె.శ్రీధర్, కోఆర్డినేటర్లు కేవీ రమణులు, సునీల్ ప్రతాప్ రెడ్డి, డి.నవీన్ కుమార్ రెడ్డి, డి.స్వీ వివివ విభాగాల అధిపతులు, అధ్యాపకులు, నిపుంధి, విద్యార్థులు పాల్గొన్నారు.



Students participating in the Concretrix workshop

UPCOMING EVENT

Faculty Development Program in May - 2018.