



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE , WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
(Accredited by NAAC with 'A' Grade)



DEPARTMENT OF
CIVIL
ENGINEERING

NEWSLETTER



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Smt. Ch. Sree Laxmi Pavani, Assitant Professor, CED

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K. Chandana(III/II) Y. Joshna(IV/II)

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Editor: Dr. M. Srikanth, Professor & HoD, CED

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.

PE0 1	Demonstrate professional competency in varied fields of engineering industry and/or pursue higher education by nourishing mathematical scientific and engineering precepts
PE0 2	Investigate, analyse and design solutions to complex civil engineering problems ensuring safety, sustainability and ecological harmony
PE0 3	Exhibit ssionalism by transferring latest technology and understanding societal impacts to protect intrests of the public at large
PE0 4	Develop competence by engaging in lifelong learning, in order to integrate ethics, economics and equity

Programme Outcomes (POs):

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
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 practices.	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 (PSO's)

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 environmental considerations
PSO 3	Appreciate professional and ethical responsibility concerning legal, contemporary , environmental & cultural issues and consequent responsibilities relevant to the profession 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 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:

KITSW is well known for its academic excellence and dedicated approach towards dissemination of knowledge in the academic world. It gives me immense joy and satisfaction to finally pioneer the newsletter of Civil Engineering Department. A lot of effort has gone into the making of this issue. The best thing about this issue is that it represents the creative side of students to a fair degree. So this time an attempt is made to bring out the talent concealed within our student community. This issue includes news of articles, technical events, symposiums etc. We hope you enjoy reading this issue as much as we have enjoyed making it. Finally, I anticipate that this newsletter will instigate all of us for a novel start.

- Dr. M. Srikanth, Professor & Head, CED



Editor In-charge Message:

It is with great honor and great pleasure for us to involve in laying the ground work of this newsletter. We congratulate the Editorial Team for their hard work in producing this Newsletter. We are absolutely certain that the best is yet to come. We hope that you will enjoy reading this newsletter.



Dr. S. Sunil Pratap Reddy
Associate Professor, CED



Smt. Ch. Sree Laxmi Pavani
Assistant Professor, CED

CEA INAUGURAL

The inaugural ceremony was started at 11:40 AM. Sri Mehar Rajendra was the esteemed chief guest of the function. All of the CED faculty as well as approximately 200 students attended this session. The Main topic is about the latest innovations in the construction industry and new developments in Ultratech with RMC Concrete. The HOD, Dr. M. Srikanth Sir spoke about the greatness of the department and the association hour. The faculty Coordinator Sri. P. Teja Abhilash Sir had announced the student body and gave a brief explanation about the Civil Engineering Association. President and Vice President shared their experiences. They also expressed about the association plans and requested the students to participate in the upcoming events. The Association was very thankful for the active participation of everyone.



Inauguration of CEA (2023-2024) by Sri Mehar Rajendra and Dr. M. Srikanth, HOD

CEA Events list (academic year 2023-24)

Event No.	Date	Event Name	Despriction
1	24-07-2023	Debate	The “Comparison between the technology incorporated in construction industry in the Ancient and Modern times” was the main topic of discussion during this debate. Each and every student had an excellent idea and confidently defended it. Many of the students emphasized the value of civil engineering.
2	31-07-2023	Just A Minute	During this session students were asked to give a 1 minute speech on a specific topic of their own. The presentation skills of students were improved as a result. Effective presentations in the competitive world are aided by hand gestures, strong communication and this JAM session made that possible for the students.
3	07-08-2023	Poster Launch and Civilquiz	The Civil Engineering Association's (CEA) poster unveiling ceremony for the year 2023-2024 took place in front of Block 1. This launch had witnessed the participation of the Civil Engineering Department's (CED) core faculty. Dr. M. Srikanth, the Department Head, disclosed the poster with plenty of delight and spirit.
4	14-08-2023	Inaugural ceremony of CEA	The inaugural ceremony was started at 11:40 AM. Sri Mehar Rajendra was the esteemed chief guest of the function. All of the CED faculty as well as approximately 200 students attended this session. The Main topic is about the latest innovations in the construction industry and new developments in Ultratech with RMC Concrete. The HOD, Sri. Dr. M. Srikanth Sir spoke about the greatness of the department and the association hour.
5	21-08-2023	Student Activity Center	They also encouraged everyone to join their clubs. Students will benefit more by joining clubs because it upgrades their discipline, determination, interpersonal skills, and self-confidence. The students found this event was fairly informative.
6	28-08-2022	Visit to I ² RE	I ² RE, a newly constructed structure, acts as a sign of dedication to supporting innovation and technological advancement. It has lots of labs, offices, and instruments for research and development of developing technologies. The IOT lab is well-equipped with sensors, microcontrollers, and networking hardware.
7	04-09-2023	Cross Fire	Participants in this competition were split into four groups to compete against each other by answering to broad and technical questions. Students exhibited their intelligence by responding to the questions. Finally, the CEA faculty and student body reviewed each team's responses and recognised the team that answered the most questions during the session as the winner.
8	25-09-2023	Meet with XCEL Global Services	A representative from XCEL Global Services began his talk on Abroad Education Awareness. He offered the students a brief overview of higher education opportunities in the domain of civil engineering. A Master's degree in Civil Engineering earned abroad might lead to enhanced knowledge and professional options.



9	09-10-2023	Civil Pe Charche	The global of Civil Pe Charcha mainly focused on the Burj Khalifa, a world-famous skyscraper known for its exceptional height, standing at 828 meters with 163 floors. The building's design, incorporated cutting-edge technology and architectural innovation.
10	16-10-2023	Art of Contradiction	The major goal of this event was to create an environment of contradicting the statements such that the it can highlight the student's quality of questioning. This exercise was really valuable to the students since it helped them to form competing opinions and to effectively explain their thoughts.
11	30-10-2023	Empower the Ballot	The purpose of the event was to underscore the paramount importance of the right to vote post-independence. This initiative served to remind citizens of their influential role in democracy, leaving participants with a sense of responsibility in shaping the nation's future through their votes.
12	16-11-2023	CEA Spotlight	A certificate presentation ceremony was carried out to honor their extraordinary efforts and unwavering dedication. Smiles and a sense of accomplishment filled in the entire room as students received their well-deserved appreciation.

Recent Acquisitions into Laboratory



Speed radar gun



10118 Digital UV-VIS Spectrophotometer (200-1000 nm, 2.0 nm BAIV)



Hot Air Oven



Sand pouring cylinder Apparatus, 100mm dia



Prexiso TO 2 Digital Theodolite with 2 sec accuracy, laser plummet, charger, battery, aluminum tripod with accessories



BORO-017 Vacuum Pump Oil Fre

List of NCC camp participants

Name of the camp	Name of the student	Year
Shivarathri Camp	K. Varsha	4Th Year
Voter id enrollment	K. Varsha	4Th Year
Voter awareness	K. Varsha	4Th Year
	K. Varsha	4Th Year
Traffic awarness week	K. Varsha	4Th Year
	G. Preveen	3Rd Year



Volunteers and Faculty Coordinators in Shivarathri camp

List of Students enrolled for Honors and Minors in the academinc year 2022-2023

S.No.	Applied Category	Applied No of students from Civil Engineering	
		V SEM (IV Completed)	VII SEM (VI Completed)
1	HONOURS in Civil Engineering (HCE)	1	0
2	Minor in Computer science and Engineering (MCS - 2)	0	0
	Total No. of students Applied	1	0

Workshop On Abaqus and Matlab

The Workshop on Abaqus and MATLAB was held at Kits Warangal on 11th and 12th of August 2023. The event gathered a significant turnout from students across various disciplines eager to enhance their skills in computational mechanics and numerical analysis. During the course of the workshop, attendees were exposed to a number of foundational ideas, including data visualization, scripting and programming approaches, and finite element analysis. Students interested in professions in science, engineering, and research will find great value in the knowledge and abilities they gain from this program. Gaining proficiency using MATLAB and Abaqus empowers people to solve challenging engineering issues, optimize designs, mimic real-world situations, and conduct extensive dataset analyses. Additionally, mastery of these instruments improves one's employability and provides access to a multitude of prospects in sectors like civil engineering, automotive, aerospace, and more.

All things considered, the Abaqus and MATLAB workshop provided students with an opportunity to broaden their technical knowledge, work together with classmates, and interact with industry-standard software under the direction of professionals. Participants gave the event positive comments, emphasizing how well it bridged the gap between theoretical understanding and real-world application. Participants were immersed in a dynamic learning environment, guided by experienced instructors proficient in both Abaqus and MATLAB. The workshop featured hands-on sessions, interactive demonstrations, and practical exercises tailored to cater to diverse skill levels. Attendees gained valuable insights into the theoretical foundations and practical applications of these powerful software tools.



Prof. K. Ashoka Reddy, Principal, Prof. M. Andal, HOD, CED,
Sri. A. Bhaskar & Smt. K. S. Bhargavi facilitating the guest name.

Faculty Publications (2023-2024)

S.No.	Name of the Faculty	Title with Patent Details
1	Prof. M. Veera Reddy	Indian patent published titled “A System for Manufacturing EcoFriendly Paper Plastic Paving Blocks Using Wastepaper and Plastic”, Application: No.202341038268 A, Publication Date: 01/09/2023.
2	Dr. B. Sumanth Kumar	Indian patent published titled “A System for Manufacturing EcoFriendly Paper Plastic Paving Blocks Using Wastepaper and Plastic”, Application: No.202341038268 A, Publication Date: 01/09/2023.
3	Sri. A. Bhaskar	Indian patent published titled “A System for Manufacturing EcoFriendly Paper Plastic Paving Blocks Using Wastepaper and Plastic”, Application: No.202341038268 A, Publication Date: 01/09/2023.
4	Sri. P. Teja Abhilash	Indian patent published titled “A System for Manufacturing EcoFriendly Paper Plastic Paving Blocks Using Wastepaper and Plastic”, Application: No.202341038268 A, Publication Date: 01/09/2023.

Faculty Developments Program (2022-23)

A.Y. 2022 - 2023			
S. No.	Name of the Faculty	Details of the participation (Faculty Development Program/ Training Activities /STTP's/workshop/webinar)	Total
1	Prof. M. Veera Reddy	Attended FDP on “Advances in sustainable Construction Materials and Technologies” sponsored MeitY GoI organised by E&ICT Academy, NIT Warangal and BITS Pilani, Hyderabad during 18th – 27th July 2022	01
2	Dr. M. Srikanth	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	01
3	Dr. S. Sunil Pratap Reddy	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	01
4	Dr. A. Suchith Reddy	One Week FDP on “Advancements in Concrete Technology and Construction Management” from 22nd to 26th August 2022 conducted by National Institute of Technology, Warangal.	02
5	Dr. A. Suchith Reddy	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	
6	Dr. B. Sumanth Kumar	One Week FDP on “Advancements in Concrete Technology and Construction Management” from 22nd to 26th August 2022 conducted by National Institute of Technology, Warangal.	02
7	Dr. B. Sumanth Kumar	Three Day FDP on "Modelling Approaches in Structural Engineering" during 30th June to 02nd July 2022 conducted by Civil Engineering Department, Lakireddy Bali Reddy College of Engineering (Autonomous), India.	
8	Dr. B. Sumanth Kumar	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	
9	Dr. G. Shravan Kumar	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	01
10	Dr. K. Srujan Varma	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	01
11	Smt. K. S. Bhargavi	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	01
12	Sri. A. Bhaskar	One week online skill development program on CPM & REVIT, conducted by KITSW from 7th Jan 2023 – 11th Jan 2023	
13	Dr. N. Gangadhara Reddy	Geoenvironmental Engineering Webinar Series, Themes: Polluted Land, Waste Management & Sustainability/Resiliency, 6th October 2022 – 1st December 2022, Organised by University of Illinois Chicago, USA	01
14	Dr. N. Gangadhara Reddy	5-day online workshop on “Sustainable Geoenvironmental Practices: Hazard Mitigation and Environment Protection at IIT Indore”. 27th – 31st March 2023, Organised by IIT Indore	01
15	Sri S Rajashekar	FDP on “Advancements in Concrete Technology(AICT-2022)”,Ballari Institute of Technology and Management,Ballari.	01

Training and Placements (2023-2024)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-015

TRAINING & PLACEMENT CELL

COMPANY WISE PLACEMENT DETAILS OF THE ACADEMIC YEAR 2023-24 (Ongoing)

SN o.	RollNo.	Name of the student	Branch	Selected for company	CTC in LPA
1	B21CE124L	PINGALI ANISH	CIVIL	ACCENTURE	4.5
2	B20CE002	SAILLA SRI KARANC	CIVIL	GENPACT	4.2
3	B20CE024	APPANI SANDEEP	CIVIL	GENPACT	4.2
4	B20CE033	KANDUNURI SANUTHA	CIVIL	GENPACT	4.2
5	B20CE034	THODUSU ARCHANA	CIVIL	GENPACT	4.2
6	B20CE041	DHARAVATH JANAKI RAM	CIVIL	GENPACT	4.2
7	B20CE064	BULLAMONI MAHESH BABU	CIVIL	GENPACT	4.2
8	B20CE084	NAGARAPU ANIL	CIVIL	GENPACT	4.2
9	B20CE090	KATRAVATH ANIL NAIK	CIVIL	GENPACT	4.2
10	B20CE092	MADIPELLI VIJAY	CIVIL	GENPACT	4.2
11	B20CE093	ELLANDULA SWETHA	CIVIL	GENPACT	4.2
12	B20CE118	CHINTHANURI DURGA BHASKAR	CIVIL	GENPACT	4.2
13	B21CE127L	GORRE SAISPURTHI	CIVIL	GENPACT	4.2
14	B21CE148L	MUSHKE HARSHINI	CIVIL	GENPACT	4.2
15	B21CE152L	KOTA CHIDU DATTA	CIVIL	GENPACT	4.2
16	B20CE096	VELMULA YASHWANTH REDDY	CIVIL	EXCEL R EDU TECH PVT LTD	4
17	B20CE092	MADIPELLI VIJAY	CIVIL	SOBHA LIMITED	3
18	B21CE123L	GAJARABOINA SAI UDAY YADAV	CIVIL	RASTER ENGINEERS	2.5
19	B21CE133L	MOHAMMAD ABDUL RIYAZ	CIVIL	RASTER ENGINEERS	2.5
20	B21CE149L	MARTHA VINEETH	CIVIL	RASTER ENGINEERS	2.5

