



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

DEPARTMENT OF CIVIL ENGINEERING



NEWS LETTER

(JULY – 2025)



Chairman: Capt. V. Lakshmikantha Rao, Chairman, Ekasila Educational Society
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Editor In-charge: Sri. K. Srujan Varma, Assistant Professor, CED.
Student Editorial Board: T. Sai Charan (VIII Semester),
Md.Afrid Pasha (VIII Semester),
U. Deepak (VI Semester)

About the Department:

The Department of Civil Engineering at Kakatiya Institute of Technology & Science (KITS), Warangal, stands as a cornerstone of technical excellence and innovation, dedicated to building the engineers who build the world. With a rich legacy of academic rigor and industry alignment, the department fosters a dynamic learning environment where theoretical knowledge meets practical application. Our curriculum is continuously evolved to integrate cutting-edge technologies, sustainable practices, and the principles of the United Nations Sustainable Development Goals (SDGs), ensuring our graduates are not only proficient problem-solvers but also conscientious leaders. Through state-of-the-art laboratories, impactful research projects, strong industry collaborations, and a focus on holistic development, we empower students to design, construct, and manage resilient and sustainable infrastructure for the future. The department takes pride in its vibrant community of scholars, dedicated faculty, and successful alumni who are shaping the nation's skylines and contributing significantly to global engineering challenges.

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.

Programme Outcomes (POs):

Program Outcomes (POs) and Program Specific Outcomes (PSOs) - Civil Engineering		
Code	Outcome Type	Description
PO1	Engineering Knowledge	Apply knowledge of mathematics, natural science, computing, engineering fundamentals, and an engineering specialization (WK1-WK4) to develop solutions for complex engineering problems.
PO2	Problem Analysis	Identify, formulate, review research literature, and analyze complex engineering problems to reach substantiated conclusions with consideration for sustainable development. (WK1-WK4)
PO3	Design/Development of Solutions	Design creative solutions for complex engineering problems and develop systems/components/processes to meet identified needs, considering public health, safety, whole-life cost, net zero carbon, culture, society, and environment. (WK5)
PO4	Conduct Investigations of Complex Problems	Conduct investigations of complex problems using research-based knowledge, including design of experiments, modelling, and analysis & interpretation of data, to provide valid conclusions. (WK8)
PO5	Engineering Tool Usage	Create, select, and apply appropriate techniques, resources, and modern engineering & IT tools, including prediction and modelling, while recognizing their limitations to solve complex engineering problems. (WK2, WK6)
PO6	The Engineer and The World	Analyze and evaluate societal and environmental aspects while solving complex engineering problems for their impact on sustainability with reference to economy, health, safety, legal framework, culture, and environment. (WK1, WK5, WK7)
PO7	Ethics	Apply ethical principles and commit to professional ethics, human values, diversity, and inclusion; adhere to national & international laws. (WK9)
PO8	Individual and Collaborative Teamwork	Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
PO9	Communication	Communicate effectively and inclusively within the engineering community and society at large, comprehend and write effective reports and design documentation, and make effective presentations considering cultural, language, and learning differences.
PO10	Project Management and Finance	Apply knowledge and understanding of engineering management principles and economic decision-making to one's own work, as a team member/leader, and to manage projects in multidisciplinary environments.
PO11	Life-Long Learning	Recognize the need for, and have the preparation and ability for i) independent and life-long learning, ii) adaptability to new and emerging technologies, and iii) critical thinking in the broadest context of technological change. (WK8)

Program Specific Outcomes (PSO's)

PSO1	Program Specific Outcome 1	Apply knowledge of basic and engineering sciences to identify, investigate, analyze, design, and develop innovative solutions to complex civil engineering problems using modern tools and techniques.
PSO2	Program Specific Outcome 2	Evaluate construction projects to meet global sustainable goals, adapting ethics, leadership, lifelong-learning ability for emerging technologies, and demonstrating communicative and managerial competencies in diversified working environments.

Chief Editor Message:

It gives me immense pleasure to welcome the inaugural edition of the Department of Civil Engineering's newsletter, on behalf of the entire campus community of KITS Warangal.

This newsletter will serve as a dynamic platform to enhance awareness, foster deeper interaction, and strengthen integration among students, faculty, alumni, and industry partners. More than just a chronicle of events, it reflects our shared commitment to a vision where engineering serves humanity and the planet. In line with this, the newsletter highlights our department's conscious alignment with the United Nations Sustainable Development Goals (SDGs), embedding sustainability as a core principle in education, research, and innovation.

As we present this fifteenth issue a snapshot of the department's recent milestones, projects, and academic endeavours we recognize that core branches like Civil Engineering form the very spine of nation-building. We create the foundational infrastructure the roads, bridges, water systems, and resilient cities upon which all other disciplines build the muscle of technology, enterprise, and societal progress.

I congratulate the editorial team and everyone who has contributed to bringing this newsletter to life. May it inspire a renewed sense of purpose, collaboration, and confidence among us all, lighting the path toward a sustainable and engineered future.

- Dr. K. Ashoka Reddy, Principal



Editors Message: It is with great pride that we launch the fifteenth edition of *Civil Engineering Department Newsletter*, reflecting the academic excellence and innovative spirit of Department of Civil Engineering and KITS Warangal. This publication showcases the remarkable talent and creative achievements of the Department and our students, while emphasizing our deep commitment to sustainability and Sustainable Development Goals (SDGs). Through cutting-edge projects, green technologies, and climate-responsive research, we are shaping engineers prepared to build a resilient and equitable future. We hope this issue inspires continued collaboration and innovation, and we thank all contributors for bringing this vision to life.

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



Editor In-charge Message:

It is a privilege to introduce the Fifteenth edition of the Civil Engineering Department Newsletter a milestone that marks our collective commitment to excellence, innovation, and sustainability. At KITS Warangal, we have always believed that true engineering goes beyond textbooks; it is about creating solutions that matter. This newsletter is a testament to that belief a platform where academic rigor meets real-world relevance. From groundbreaking projects and research endeavours to vibrant campus activities and industry collaborations, each page reflects the dedication of our students and faculty to shape a better, more sustainable world. As civil engineers, we bear a unique responsibility: to design, build, and maintain infrastructure that is resilient, inclusive, and environmentally conscious. Through curricular innovations, sustainable material research, and community-driven projects, we are actively contributing to global goals while addressing local challenges.

I extend my heartfelt gratitude to our enthusiastic student contributors, dedicated faculty mentors, and supportive leadership for making this publication possible. I also invite every reader students, alumni, industry partners, and well-wishers to join us in this journey of learning, sharing, and growing.



May this newsletter inspire curiosity, foster dialogue, and ignite a passion for sustainable engineering. Together, let's build the future responsibly, creatively, and collaboratively.

-Srujan Varma. K, Asst. Professor, CED

CEA EVENTS (Academic year 2024-25) :-

S.No	Date	Activity Name	Type of Event	Resource Persons / Organizers	Impact Statement
1	06-01-2025	Guess It What?	Association Activity	Coordinators, CEA, Civil Engineering Department, KITS Warangal	Fostered creative thinking, team collaboration, and lateral problem-solving skills among students through engaging, puzzle-based challenges.
2	20-01-2025	Intellectual Classes	Association Activity	Faculty Incharge, Literary Club & CEA Coordinators, KITS Warangal	Enhanced literary aptitude, communication skills, and critical reasoning, contributing to the holistic development of students beyond technical expertise.
3	27-01-2025	Question Quest	Technical Event	Coordinators, CEA, Civil Engineering Department, KITS Warangal	Strengthened core engineering knowledge and subject-specific recall, promoting healthy academic competition and reinforcing fundamental concepts essential for technical careers.
4	03-02-2025	Cross Fire	Technical Event	Coordinators, CEA, Civil Engineering Department, KITS Warangal	Cultivated quick thinking, analytical reasoning, and confident articulation under pressure, preparing students for technical debates, interviews, and collaborative problem-solving in professional environments.
5	10-02-2025	Heads & Brains	Technical Event	Coordinators, CEA, Civil Engineering Department, KITS Warangal	Encouraged integrative thinking and the application of multidisciplinary knowledge to solve complex engineering scenarios, enhancing students' ability to connect theory with practical, real-world challenges.

No. of students enrolled for Higher Studies:

S.No	Name of the student	Roll Number	Program & University enrolled
1.	Banoth Snehankitha	B21CE015	M.Tech, IIT Delhi
2.	Praneeth Reddy.	B21CE065	M.Tech, NIT Warangal
3.	K.Vignan(2024 out-admitted in 2025	B20Ce074	M.Tech, NIT Warangal

Student performance in competitive examinations :GATE RANKS

S.No	Name of the student	Roll Number	GATE Percentile/rank	Appeared in the Year
1.	Banoth Snehankitha	B21CE015	12755	2025

Campus Recruitment Training (CRT) programs organized by the Department during 2024-25:

S.No	Details of the Program organized	Expert team	No. of students benefitted by the program
1	Extensive training in Staad pro and Auto CAD to Final Year students of Civil Engineering organized during March April 2025 during 10.12.24 to 12.12.24	Expert team from CADD Centre	40 B.Tech VIII Semester Civil Engineering T&P Registered students

S.No	Name of the Student	Roll Number	Details of placement/Offline/Online Internship
1	Sofiya Nazneen	B23CE082L	M/S KN Construction Consultants LLP, Hyderabad
2	Thota Sai Charan	B22CE018	Ashoka Builders, Hyderabad
3	Neelam Koushil	B23CE070L	Ashoka Builders, Hyderabad
4	Jagilapu Karthik	B23CE080L	Ashoka Builders, Hyderabad
5	Sangem Vignesh	B23CE066L	Ashoka Builders, Hyderabad



Dr. Purandhar, Dean Placements, Dr. Chandra Bai, T&P Coordinator, Dr. Kiran Kumar, Manager Corporate Relations & Strategic Alliances, Ms. P. Sindhura, Soft skills trainer and T&P staff with the students placed in Ashoka Builders Hyderabad.

CO Curricular/ Extra Curricular activity participation by students:

S.No	Name & Roll number of Students	CO/Extra Curricular Activity Details along with dates	Participation Details	Prizes Won (if any)
1	T. Akshith B22CE003	Blood Donation in Red Cross Blood Donation camp, 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
2	Sd. Afrid pasha B22CE008	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
3	Md. Shoukath Ali B22CE011	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
4	K. Ujwal Sagar, B22CE002	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
5	T. Sai Charan, B22CE018	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
6	B. Vivek, B22 CE019	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
7	K. Sree sai Vardhan, B23CE069L	Blood Donation in Red Cross Blood Donation camp , 11 th February 2025	Blood Donation	Blood Donor Appreciation Certificate
8	K. Ujwal Sagar, B22CE002	Intramurals-KITSW	Carroms-Doubles	Second Prize
9	M.Koushik Kumar, B22CE027	Intramurals-KITSW	Carroms-Singles	Second Prize
11	T. Sai Charan, B22CE018	NCC B Certificate Exam, 28 th March.	NCC Cadet	LCPL rank acquired by Cadet. With A Grade
12	T. Sai Charan, B22CE018	NCC CCertificate Exam, 22 nd April 2025	NCC Cadet	CQMS rank acquired by Cadet. With A Grade
13	T. Sai Charan, B22CE018	Entrepreneur Orientation Program, NSIC, Govt. of India, 28 th Feb 2025	Participant	Participation Certificate
14	T. Akshith B22CE003	Entrepreneur Orientation Program, NSIC, Govt. of India, 28 th Feb 2025	Participant	Participation Certificate
15	K. Deepika, B23CE076L	Entrepreneur Orientation Program, NSIC, Govt. of India, 28 th Feb 2025	Participant	Participation Certificate
16	P. Mithraja, B23CE063L	Entrepreneur Orientation Program, NSIC, Govt. of India, 28 th Feb 2025	Participant	Participation Certificate
17	S. Sadhvika, B23CE067L	Entrepreneur Orientation Program, NSIC, Govt. of India, 28 th Feb 2025	Participant	Participation Certificate
19	N. Koushik B23CE070L	Licensed Surveyor Training, Govt. of Telangana, 22 nd may 2025 to 27 th July 2025	Surveyor Trainee	Surveyor License issued
20	K. Sree sai Vardhan, B23CE069L	Teacher's training Certificate, Training Course, 1 st may 2025 to 11 th June 2025, Practicing High School , Hanumakonda	Trainee in Trade-Drawing	Certificate of Completing the course

Details of Students completed Honors/ Minors /Swayam NPTEL Courses in A.Y 2024-25

S.No	Name of Students	Roll number of Students	Honors / Minors completed details
1.	Ch. Vishnu Vardhan	B21CE007	Honors in Civil Engineering

S.No	Name of Students	Roll number of Students	Swayam Nptel course completed
1.	Rajya Lakshmi S	B21CE088	River Engineering
2.	Rajya Lakshmi S	B21CE088	Project management
3.	Ch. Vishnu Vardhan	B21CE007	Sustainable Engineering Concepts and Life Cycle Analysis
4.	Ch. Vishnu Vardhan	B21CE007	Optimization methods for Civil Engineers
5.	M.Raja Gaman	B23CE062L	Introduction to Engineering Seismology
6.	M.Raja Gaman	B23CE062L	Optimisation Methods for Civil Engineering
7.	M.Raja Gaman	B23CE062L	Construction Methods and Equipment Management
8.	M.Raja Gaman	B23CE062L	Sustainable Engineering Concepts and Life Cycle Analysis
9.	Konatham Deepika	B23CE076L	Geology and Soil Mechanics
10.	Konatham Deepika	B23CE076L	Climate Change Science
11.	Konatham Deepika	B23CE076L	Construction Methods and Equipment Management
12.	Thota Sai Charan	B22CE018	Climate Change Science
13.	Thota Sai Charan	B22CE018	Construction Methods and Equipment Management

NPTEL DISCIPLINE STARS:

Max Weeks: 60



**MADIKONDA RAJA
GAMAN**

student

KAKATIYA INSTITUTE OF
TECHNOLOGY & SCIENCE

M. Raja Gaman (B23CE062L), a dedicated final-year student in the Department of Civil Engineering, has demonstrated exceptional commitment to advanced learning and professional development. He has been honored as an NPTEL Discipline Star by IIT Madras, a prestigious national recognition awarded for successfully completing 50 weeks of structured coursework through the SWAYAM-NPTEL platform while maintaining a consistent academic standard of over 55% in every certified course. This significant accomplishment highlights his proactive pursuit of specialized knowledge, intellectual discipline, and a deep-seated dedication to mastering contemporary civil engineering concepts beyond the core curriculum. The award stands as a testament to his rigorous self-motivation and capacity for sustained academic excellence.



NPTEL ONLINE CERTIFICATION- ELITE + GOLD (TOP 2% Among all thousands of students)



**MADIKONDA
RAJA GAMA**
ROLL NUMBER:
B23CE062L
HONOURS IN
CIVIL
ENGINEERING

noc25ce115
Ground
Improvement
ELITE+
GOLD

NPTEL ONLINE CERTIFICATION-ELITE + SILVER



ELITE



K.DEEPIKA
ROLL NUMBER:
B23CE069L
HONOURS IN CIVIL
ENGINEERING

noc25ce115
Ground
Improvement
ELITE

NPTEL ONLINE CERTIFICATION- ELITE



ELITE

T. SAI CHARAN
ROLL NUMBER: B22CE018
B.TECH VII SEMESTER
CIVIL ENGINEERING
HONOURS IN CIVIL
ENGINEERING

noc25ce115
Ground
Improvement
ELITE



ELITE

CH. NIKITHA
ROLL NUMBER:
B23CE083L
B.TECH VII SEMESTER
CIVIL ENGINEERING
HONOURS IN CIVIL
ENGINEERING

noc25ce115
Ground
Improvement
ELITE

DEPARTMENT AND STUDENTS GROUP PHOTOGRAPH



Faculty and Students of section 8CE1- 2021-25 batch



Faculty and Students of section 8CE2- 2021-25 batch

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