



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, పరంపల్లి - 506 015 తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENT PROFILE

Programmes Offered

B.Tech. – Civil Engineering (CE)

M.Tech. – Structural Engineering & Construction (SCE)

Ph.D. – Civil Engineering (CE)

Milestones

- 2023-24 M.Tech.(SEC) Programme accredited by National Board of Accreditation (3 Years)
- 2021-22 B.Tech.(CE) Programme reaccredited by National Board of Accreditation (3 Years)
Acquired 33 rank across India in 'Green Institutional Rankings 2022'
UGC Extended Autonomous status for 5 years
- 2020-21 AICTE sanctioned Rs. 3.02 Lakh under STTP/FDP AQIS to the Dept. of Civil Engineering.
Certified by ISO 9001:2015
- 2019-20 Re Accredited by National Board of Accreditation (3 Years) to Civil Engineering Programme
SERB sanctioned Rs. 18.30 Lakh under TARE scheme to department.
SERB sanctioned Rs. 1 Lakh under Seminar grant to the department.
Increased intake in M.Tech. in Structural Engineering & Construction from 24 to 30.
- 2018-19 NAAC – 'A' Grade Accreditation
- 2017-18 Department renewal as a Research Centre under Kakatiya University
Design & commissioning of 350 KLD sewage treatment plant under 'Mission Go Green'
DST, SERB Sanctioned Rs. 2 Lakh under Seminar Grant to the Dept. of Civil Engineering
- 2016-17 Re Accredited by National Board of Accreditation (3 Years) to Civil Engineering Programme
- 2015-16 Department signed MoU with 'Greater Warangal Municipal Corporation'
- 2013-14 AICTE Sanctioned Rs. 10 Lakh under MODROBS to the Dept. of Civil Engineering.
AICTE Sanctioned Rs. 2 Lakh under Seminar Grant to the Dept. of Civil Engineering.
Granted Autonomous status by UGC, New Delhi and Kakatiya University
Installation of 400 KW Solar Captive Power plant and Sewage Treatment Plant under 'MISSION GO GREEN'
- 2011-12 Reaccredited by National Board of Accreditation (3 Years) to Civil Engineering Programme.
- 2006-07 Reaccredited by National Board of Accreditation (3 Years) to Civil Engineering Programme.
Enhanced intake in M.Tech. in Structural Engineering & Construction from 18 to 24.
- 2004-25 Recognized as Research centre under Kakatiya University
- 2003-24 Started M.Tech (Structural Engineering & Construction) course
AICTE Sanctioned Rs. 11 Lakh under MODROBS to the Dept. of Civil Engineering.
- 2001-02 First accreditation status awarded by NBA to Civil Engineering Programme for 3-year w.e.f. 09.11.2001.
- 1998-99 AICTE sanctioned Rs. 6 Lakh under MODROBS to Dept. of Civil Engg.
- 1994-95 AICTE sanctioned Rs. 7.0 Lakh under MODROBS to the Dept. of Civil Engineering.
- 1984-85 Department of Civil Engineering started consultancy works
- 1980-81 Commencement of Class work for 1st Batch Students Started with B.Tech Civil (Structural Engg. & Building Science, Water Resources & Environmental Engg.) in December 1980.

Prominent Guest Talks

1. Industry Expert Talk – *Emerging Technologies in Construction Industry and Opportunities for Civil Graduates* on 05th March 2024 by **Sri. Ch. Ravi Kumar**, Sr. Expert, NAC Hyderabad.
2. Academic Expert Talk – *Sustainable Pavement Materials – A Way Forward* on 29th December 2024 by **Dr. M. Ramya Sri**, Assistant Professor, IIT Hyderabad.
3. Industry Expert Talk – *Latest Innovations in the Construction Industry and New Developments in Ultratech with RMC Concrete* on 14th August 2023 by **Sri. Mehar Rajendra**, Technical Head, Ultratech Cement Warangal.
4. Academic Leader Talk – *Awareness on Ready Mix Concrete (RMC) Techniques* on 05th January 2023 by **Prof. N. V. Ramana Rao**, Director, NIT Warangal.
5. Industry Talk – *DEVADHULA water irrigation Project* on 18th April 2022 by **Sri. A. Sudhakar Reddy**, Chief Engineer, Irrigation Department, Warangal.

Faculty Achievements in 5 years

Year	SCI Journals	SCOPUS Journals	WOS Journals
2023-24	00	01	-
2022-23	01	16	-
2021-22	04	10	-
2020-21	10	11	-
2019-20	01	19	-
2018-19	-	04	-

Student Achievements in 5 years

Year	Conference Proceedings	SCOPUS Journals
2023-24	01	-
2022-23	05	-
2021-22	01	02
2020-21	02	-
2019-20	-	-
2018-19	17	-

Alumni Interactions

1. **Ms. Gade Supriya** (Class of 2022), Junior Manager - Bexel India, visited the Department and delivered a talk on “*Digital Construction - Advanced BIM Project Management with Bexel Manager*” on 25th February 2024.
2. **Sri. V. Anand** (Class of 1993), Director - SecuEra Techno Solutions Pvt Ltd. Hyderabad visited the department and delivered a talk on “*Building a Successful Career from CIVIL to COMPUTERS*” on 18th December 2021.
3. **Sri. V. Rajagopal** (Class of 1995) Deputy Executive Engineer, I&CAD, Hyderabad, Telangana visited our department and delivered a talk on “*MISSION BHAGIRATHA*” on 29th October 2021.
4. **Sri. Sridhar Nagulavancha** (Class of 1993), founder and CEO – Concert Tech Corporation delivered a virtual talk on “*Environmental Science & Civil Engineering*” on 28th August 2021.

Accreditation

Programme	Accreditation Status	Period of Accreditation	NBA Letter
B.Tech. - Civil Engineering	Re-accreditation - 6	3 Years	<i>F.No. 11-76/2010/NBA. Dt. 15th June 2022</i>
	Re-accreditation - 5	3 Years	<i>F.No. 11-76/2010/NBA. Dt. 20th November 2019</i>
	Re-accreditation - 4	3 Years	<i>F.No. 11-76/2010/NBA. Dt. 04th February 2017</i>
	Re-accreditation - 3	3 Years	<i>F.No.11-76/2010/NBA. Dt. 09th October 2014</i>
	Re-accreditation - 2	3 Years	<i>F.No. 11-76/2010/NBA, Dt. 22nd September 2011</i>
	Re-accreditation - 1	3 Years	<i>F.No. NBA/ACCR-724/2004, Dt. 27th July 2006</i>
	Accreditation	3 Years	<i>F.No. NBA/BRD-ATR/2001, Dt. 21st November 2001</i>

Placements & Higher Education

Year	Placements	Higher Education
2023-24:	15 (till date)	NA
2022-23:	65	06
2021-22:	78	11
2020-21:	57	20
2019-20:	18	16
2018-19:	63	09

Best Practices

- Strong student mentoring system
- Students are encouraged to take up Mini & Major projects related to social concern.
- Lecture material, Lecture PPTs, Lecture videos, Tutorial sheets and assignment sheets are posted on KITSW course web portal
- Student internships are mandatory.
- Students are trained in core areas to support placement drives Faculty and Students are encouraged to complete NPTEL Certifications.
- Industrial visits / Alumni interactive sessions and technical events are organized under CEA/IGBC/ISTE student chapters.

Vision

- 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 region, state, and nation.

Mission

- Produce outstanding civil engineering graduates with highest ethics
- Impart quality education in civil engineering to raise satisfaction level of all stake holders.
- 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.

Funding Grants

- 2018-19 Rs. 2,00,000/- Seminar grant from SERB, DST (Lr. No. SSY/2018/000214)
Title: Optimization of sustainable cementitious materials for development of different cement composites
- 2019-20 Rs. 18,30,000/- Research grant from SERB, DST (Lr. No. SERB/F/10497/2019-2020)
Title: Optimization of sustainable polypropylene materials for a composite ground modification system to support embankment in Warangal, Telangana
- 2019-20 Rs. 1,00,000/- Seminar grant from SERB, DST (Lr.No. SERB/F/6807/2019-2020)
Title: Climate Resilient and Sustainable Geotechnical solutions for Reliable transportation infrastructure
- 2020-21 Rs. 3,01,667/- STTP grant from AICTE (Lr.No. 20/ AICTE/ RIFD/ RPS/ (POLICY -VI) 29/2012-13)
Title: Sustainable Materials & resilient Buildings

NPTEL Certifications

Year	Faculty	Students	Year	Faculty	Students
2023-24	08	61	2020-21	-	07
2022-23	-	08	2019-20	11	02
2021-22	-	09	2018-19	-	-

Career Opportunities for B.Tech. (CE) & M.Tech. (SEC):

- Most of the students of the department have been placed on campus and off campus every year in reputed Software, Core and Public and Government sector companies like TCS, Infosys, Tech-Mahindra, Accenture, Arvee Associates, L&T Construction, Power Mech, Raster Engineering, etc.
- The students also have opportunities in Industries related to Sustainable cities, Artificial Intelligence, Steel Industries, Power industry, irrigation, Building sector etc.



Major Facilities & Laboratories

- CADD and STADD Pro. Software
- MATLAB 7.2 Software
- Structural Engineering Computer Applications Laboratory
- Soil Mechanics Laboratory
- Material Testing Laboratory
- Fluid Mechanics and Hydraulic Engineering Laboratory
- Environmental Engineering Laboratory
- CADD Laboratory
- Universal Testing Machine
- Concrete Technology Laboratory
- Engineering Geology Laboratory
- Highway Engineering Laboratory
- Surveying Laboratory

Students Activities

KITS Warangal organizes SUMSHODINI a technical symposium every year in odd semester and Sanskriti, a cultural festival every year in even semester. As a part of Sumshodhini, on behalf of the department, the students of B. Tech. (CE), & M. Tech. (SEC) in association with ISTE student Chapter and Technical Club, KITSW organized technical workshop such as Revit analysis, Etabs, 3Dx Sketch up, etc. in the last 5 academic years. These workshops enhanced skills in drawing, design and analysis and foray understanding in advances in Civil Engineering.

Department of Civil Engineering has organized following events:

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|-----------------------------------|---------------------|-------------------|-------------------|
| 1. Workshop on various software's | 2. Nirman 1.0 | 3. Poster Ninja | 4. Hidden Circuit |
| 5. Enigma 2.0 | 6. Tecehcnical Quiz | 7. Wisper Dissent | 8. Quiz Buzz |
| 9. Paper Presentation | 10. Placement Heat | 11. ConcreteX | |

