KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506015, TELANGANA, INDIA

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ – ౫౦౬ ౦౧౫ 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)

Estd: 1980
KITSW

website: www.kitsw.ac.in   E-mail: principal@kitsw.ac.in   ☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT PROFILE

PROGRAMS OFFERED

Course

B.Tech. - Electronics and Communication Engineering (ECE)
B.Tech. - Electronics Communication and Instrumentation (ECI)
M.Tech. - Digital Communications (DC)
M.Tech. - Communication Engineering and Signal Processing (CESP)

MILESTONES

Year	
2023	16,40,000/- received from Ministry of Micro, Small and Medium Enterprises (MSME)
2023	Department of ECE is organized International Conference on "Computer & Communication Technologies (IC3T-2023).
2022	Department of ECE is organized International Conference on "Computer & Communication Technologies (IC3T- 2022).
2022	Accredited Under Tier-1 by National Board of Accreditation (3 Years). Approval letter No. F.No. 11-76/2010/NBA. Dt.17 th Feb. 2022.
2022	38,61,264/- received from SERB Core Research Grant
2020	M.Tech. - Communication Engineering and Signal Processing (CESP) is introduced under ECE department.
2020	5,54,000/- received grant from AICTE for conducing FDP
2020	Re-Accredited by National Board of Accreditation (1 Years). Approval letter No. F.No. 11-76/2010/NBA. Dt.21 st Aug. 2020.
2020	3,41,333/- received grant from AICTE for conducing STTP
2020	Department of ECE is organized 4th International Conference on "Data Engineering and Communication Technology (ICDECT-2020).
2020	6,78,431/- received from Modernization and Removal of Obsolescence (MODROB)
2019	B.Tech. - Electronics Communication and Instrumentation (ECI) program is introduced under ECE department
2019	7,00,000/- received seminar grant from DST-ICPS
2018	Re-Accredited by National Board of Accreditation (3 Years). Approval letter No. F.No. 11-76/2010/NBA. Dt.29 the Mar. 2018
2017	40,35,979/- received from Science and Engineering Research Board (SERB)
2016	Re-Accredited by National Board of Accreditation (2 Years). Approval letter No. F.No. 11-76/2010/NBA. Dt. 08 th July. 2016
2008	Accredited by National Board of Accreditation (3 Years). Approval letter No. F.No. NBA/ACCR-15/2001, Dt. July 19,2008
2000	The Department of Electronics and Communication Engineering was bifurcated from Department of Electronics & instrumentation Engineering.

Faculty Research Publications

Academic Year	Journals		Conferences
	SCI	SCOPUS	SCOPUS
2022-23	08	10	30
2021-22	11	08	36
2020-21	8	13	14
2019-20	07	08	30
2018-19	10	10	31

Training and Placement data

Year	Placements	Higher Education
2023-24	035	-
2022-23	126	09
2021-22	169	09
2020-21	121	09
2019-20	88	07
2018-19	88	07

BEST PRACTICES

- Students are encouraged to do mini projects, major projects, course projects, NPTEL courses.
- Department offers minors and honours.
- Faculty provides outcome-based lecture schedule (OBLS), video lectures, Lecture notes, PPT for every course
- Department arranging guest lectures, Hackthons, special training for placements.
- Department organizing International Conferences for Improving Research and Publications.
- As part of NSS, organizing Blood Donation Camp, distributing food and societal needs.

Vision

• Develop the department into a full-fledged center of learning in various fields of Electronics & Communication Engineering in pursuit of excellence in Education, Research, Entrepreneurship and Technological services to the society.

Mission

• Imparting quality education to develop innovative and entrepreneurial professionals fit for globally competitive environment.

• To nurture the students in the field of Electronics and Communication Engineering with an overall back-ground suitable for attaining a successful career in higher education, research and industry.

Funding Grants

2022-23   Dr. V. Raju, Assistant Professor, Dept. of ECE, File No: 6(19/Sanction to CAN/ incubation/2022-23. , Rs. 16,40,000, On going 3 years w.e.f. 2022-23

2021-22   Dr. K. Ashoka Reddy, Professor, Dept. of ECE, File No: CRG/2021/004501, SERB Core Research Grant, 2021-22, Rs. 38,61,264, On going 3 years w.e.f. 2021-22

2020-21   Dr. K. Ashoka Reddy, Professor, Dept. of ECE, File No: 34-67/22/FDC/ FDP/P-1/2019-20, AICTE-AQIS-FDP, 2020-21 Rs. 5,54,000

2020-21   Dr. K. Ashoka Reddy, Professor, Dept. of ECE, File No: 34-66/420/FDC/ STTP/Policy-1/2019-20, AICTE-AQIS-STTP, 2020-21 Rs. 3,41,333

2020-21   Dr. B. Rama Devi, Professor, Dept. of ECE, File No: 9-176/IDC/MODROB /Policy-I /201 9-20, AICTE-AQIS-MODROBS, 2020-21 Rs. 6,78,431

2019-20   A. Srinivas, Assistant Professor, Dept. of CSE, File no: 26409/DST/ICPS /SCST/2019/639, DST/ICPS/ WORKSHOPS/ST/2019-A1, Rs. 700000

2017-18   Dr. M. Chandrasekhar, Assistant Professor, Department of ECE, File No: EEQ /2017/000118, SERB, Rs. 40,35,979

NPTEL Certifications

Year	Number
2023-24	48
2022-23	53
2021-22	56
2020-21	39
2019-20	31
2018-19	22

Laboratories:

1) Integrated Circuits Lab 2) Digital Communication Lab 3) Microprocessor Development Lab 4) Signal Processing Lab 5) Pulse and Digital Circuits Lab 6) Microwave & optical communication Lab 7) AIML & ADSP Lab 8) Embedded Systems & ARM Processor Lab 9) Communication Systems Lab 10) Analog & Digital Simulation Lab 11) Electronics Circuits Lab 12) Project Lab

Career Opportunities:

• 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, Google, Reliance Power, L&T, BOSCH, Caterpillar Electronics, IBM, BARC, IOCL, ISRO, DRDO, SAIL, NTPC, KTPS, BILT, etc.

• The students also have opportunities in Industries related to IoT, Artificial Intelligence, Power, Petrochemicals, Pharmaceuticals, Chemical and Food processing, Plastic- Rubber molding, VLSI, Optical and Laser based communications, Wireless communications, Telecommunications and Embedded Systems etc.

Industry Visits

Year   Name of the Industry

2022-23   INCOIS (Indian National Centre for Ocean Information Services), Nizampet, Hyderabad, Telangana 500090

2021-22   ATS Complex (RADAR Site), AAI, Shamshabad, Hyderabad, Telangana - 500409

2019-20   T-HUB, Gachibowli, Hyderabad 500 032, Telangana, India

2019-20   IMD (India Meteorological Department), Hyderabad, Telangana

2018-19   RTTC (Regional Telecom Training Centre), BSNL, Telecom Nagar

Extension, Gachibowli, Hyderabad, Telangana-500081

T-Hub Visit

sFigure. 2 IMD Visit

3 ATS Complex

Radar complex visit

Student Activates:

Kits Warangal has organized SUMSHODINI'23 a yearly technical symposium conducted on 18th & 19th November 2022, As a part of Sumshodhini'22, on behalf of the department, the students of B. Tech. (ECE), B. Tech. (ECI) & M. Tech. (CESP) in association with ISTE student Chapter and Technical Club, KITSW are organized the following events.

1) Workshop: "IoT Based Continuous Monitoring System Using Cloud Services"
2) Paper Presentation
3) Poster Presentation
4) Technogeek
5) Count Me In
6) Minds weeper
7) Run For Fun

The winners were encouraged with a cash prize for all the events. Department feels proud to organize such a successful event and would like to convey thanks to Head of the Department, Principal and management for their timely advice and cooperation for organizing successful Fest. Not to forget final year and pre-final year students of ECE Department also deserve thanks for contributed their complete effort and participants for making "SUMSHODHINI'23" a grand success.

SUMSHODINI

SUMSHODINI-2

SUMSHODINI

SUMSHODINI

SUMSHODINI