



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)

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT PROFILE

PROGRAMS OFFERED

Course

B.Tech.	Computer Science and Engineering (CSE)
M.Tech.	Software Engineering (SE)
Ph.D.	Computer Science and Engineering (CSE)

MILESTONES

2023-24	M.Tech.(SE) Programme accredited under Tier-I for three years w.e.f. A.Y. 2023-24
2022-23	RTC-Medaram Jathara App launched by Department
2020-21	Mr. Md.Sharfuddin Waseem and Prof. P. Niranjana received Grant of Rs.40.43 lakhs from DST-SEED Division, Ministry of India for Automation of Farming Tools for Smart Farming using Android Application (A Gaming Approach) Dr. P. Niranjana, Professor received Grant from AICTE-Short Term Training Program (STTP) of 1.86 lakhs for conduction of FDP on "IoT Simulation by Fog Computing and Edge Computing using Open-source Tools". Dr. P. Niranjana, Professor received Grant from AICTE-ATAL (online) Training Program on "Computer Science & Biology" of 0.93 lakhs for conduction of FDP in virtual mode
2019-20	Dr. V. Shankar, Professor and Head of the department received Rs.4.55 lakhs Grant from AICTE for conduction of FDP on "Big data Analytics". Mr. B. Hanmanthu, Assistant Professor of the department received Rs.16.0 lakhs Grant from DST for conduction of FDP and Seminar. Mr. B. Srinivas, Assistant Professor of the department received Rs.9.0 lakhs Grant from DST for conduction of FDP.
2018-19	Dr. P. Niranjana, Professor received AICTE Grant of 4.5 lakhs for conduction of FDP on "Big data analytics using R-Tool". Dr. P. Suresh Kumar Deputed for PDF in Florida International University, USA. UG: Curriculum revision done w.e.f. 2018-19 academic year
2017-18	UG-Programme re-accredited by National Board of Accreditation for 3-years, F.No.11-76-2010-NBA Dt. 29.3.2018 Established Virtual Computing Laboratory with 100 computer systems (Rs.65-lakhs).
2016-17	UG-Programme accreditation extended for one year by National Board of Accreditation.F.No.11-76/2010/NBA, Dt.8th July, 2016
2015-16	UG-Programme (B.Tech.) intake increased 120 to 180
2014-15	UG-Programme re-accredited by National Board of Accreditation. F.No.11-76/2010/NBA, Dt.9th October,2014 Department signed MoU with Oracle Academy, Hyderabad.
2013-14	Established Research Laboratory with 45 computers Best student award in state wide TCS-100 best academic interface program
2012-13	Department is recognized as "Centre of Excellence for Infosys Campus Connect Program" by Infosys Limited.
2011-12	M.Tech.(Software Engineering) intake increased 25 to 36. Best student award in state wide TCS-100 best academic interface program
2009-10	Recognition by the Oracle Corporation as "Oracle Partner" for Oracle Workforce Development program.
2008-09	UG-Programme re-accredited by National Board of Accreditation. F.No. NBA/ACCR-15/2001, Dt. July 19,2008
2005-06	Department recognized as Research Center by Kakatiya University. PG -Programme M.Tech.(Software Engineering) intake increased 18 to 25. Department received AICTE Grant for RPS "CAT Tools & SOC design".
2004-05	UG-Programme (B.Tech.) intake increased 60 to 120. Department started PG (M.Tech.) in Software Engineering with an intake of 18.
2003-04	UG-Programme Accredited by National Board of Accreditation. F.No. NBA/ACCR-190/2003, Dt.20/05/2003
1994-95	Department started with B.Tech. programme in Computer Science & Engineering with an intake of 60

Prominent Guests Visited

1. Ajinkye Lohakathe, International Chief Technical Officer of Ditto Security, Mumbai Dt. 02.02.2024
2. Professor Jayadev Gnani, International Majmah University, Saudi Arabia, Dt. 01.11.2023
3. Prasad Chitta, Tata Consultancy Services, Decision Intelligence and MLOPs Practice Lead, Hyderabad, Dt. 12.10.2023
4. Ajay & Devarpitha Talluri Sinha, Technical Personnel, MATLAB, India (Hyderabad Chapter) Dt.7.10.2023

Faculty Achievements in 5 years				Students Achievements in 5 years		Placements & Higher Education		
Academic Year	SCI Journals	Scopus Journals	Awards	Academic Year	Conferences	Year	Placements	Higher Education
2023-24	0	14	3	2023-24	1	2023-24	50 (till date)	NA
2022-23	4	18	18	2022-23	7	2022-23	198	20
2021-22	2	4	2	2021-22	5	2021-22	200	11
2020-21	1	7	0	2020-21	2	2020-21	208	15
2019-20	2	5	1	2019-20	1	2019-20	261	-
2018-19	1	3	0	2018-19	1	2018-19	178	04

Vision

- To make our students technologically superior and ethically strong by providing quality education with the help of our dedicated faculty & staff and thus improve the quality of human life

Mission

- To provide latest technical knowledge, analytical & practical skills, managerial competence and interactive abilities to students, so that their employability is enhanced
- To provide strong human resource base to cater to the changing needs of the industry and commerce
- To inculcate a sense of brotherhood and National Integrity.

Funding Grants

2023-2024 Details of the Idea proposal approved during 7th PMAC Meeting of MSME Innovative held on 15.02.2024 & announced by Hon'ble Minister of MSME on the occasion of CPSE Conclave at Vigyan Bhawan, New Delhi on 29.02.2024.

Event Name: MSME IDEA HACKATHON 3.0

Idea Reference No: IDEATS012849

Host Institute Name: Kakatiya Institute of Technology and Science, Warangal

Title of the Idea: Helmet based green signal activation at traffic signals

Incubatee Name: Bathini Sriharshitha

Mentor Name: D. Naveen Kumar

Grant Proposal Amount: Rs 12,50,000

Idea Proposal approved date: 15.2.2024

2020-2021 Faculty Development Programme AICTE Training & Learning (ATAL)Block chain Technology, Dr. P. Niranjan, Professor Rs. 93,000 Sanctioned One Week (25th - 29th Jan 2021)

2019-2020 Faculty Development Program AICTE Domain specific IOT & Illustration of IOT's using Case studies, Dr. V.Shankar, Professor & Head, Ref no: 34-55/18/RIFD/FDP/P-1/2017-18), Rs. 4,55,000 Sanctioned Two week (9th Jan- 21st Jan 2020)

2019-2020 ICPS NATIONAL LEVEL TRAINING PROGRAMMEE OF DST, GOVT. OF INDIA, Emerging Trends in A.I. B.Hanmanthu, Asst. Professor, (26636DST/ICPS/SCST/2019/123), Rs. 7,00,000.00 Sanctioned for 3 days

ICPS NATIONAL LEVEL TRAINING PROGRAMMEE OF DST, GOVT. OF INDIA, Advances in Internet of Technologies, B.Hanmanthu, Asst. Professor,(26344 DST/ICPS/SCST/2019/524) Rs. 9,00,000.00 Sanctioned for Two weeks Young Scientist Scheme, DST-SEED, Automation of farming tools for smart farming using android Application (A gaming approach), Md Sharfuddin (PI) File No: SP/YO/2019/974(G)/ 1702/2020, 40,43,336 Sanctioned

2018-2019 Faculty Development Program AICTE- ISTE, Big data using R-Tools, Dr. P. Niranjan, Professor, Rs. 3,00,000.00 Sanctioned for One Week.

ICPS NATIONAL LEVEL TRAINING PROGRAMMEE OF DST, DST (ICPS DIVISION) Sponsored Machine Learning in Speech Processing, B. Srinivas, Assistant Professor, (File no: DST/ICPS/SCST/2019/406), Rs. 9,00,000 Sanctioned Two Week.

Alumni Interaction

- Kanakapalli Anurag, CEO, Garuna Technologies, ceo@garuna.tech.com
- Mohan M, Sr.Technical Project Lead, Birlasoft Pvt Ltd. Hyderabad, mohanm3@birlasoft.com
- Anupama Ganga, Designation- Consultant, Tata Consultancy Services, Delivery Manager, Hyderabad, Email Id-anupama.g@tcs.com
- A. Sahitya Raj, Co-Founder, Sreeal Technologies, Hyderabad,

Accreditation

Programme	Accreditation Status	Period of Accreditation	NBA Letter
B.Tech.-Computer Science and Engineering	Re-Accrediation-6	3 Years Up to 30..06.2024	F.No. 11-76-2010/NBA Dt. 17.02.2022
	Re-Accreditation-5	1 Year w.e.f. 21.08.2020	F.No. 11-7/2010/NBA, Dt:21.08.2020
	Re-Accreditation-4	2 Years w.e.f. 29.3.2018	F.No.11-76-2010-NBA Dt. 29.3.2018
	Re-Accreditation-3	1 Year w.e.f. 8.7.2016	F.No.11-76/2010/NBA, Dt.8th July,2016
	Re-Accreditation-2	2 Years w.e.f. 01.07.2014	F.No.11-76/2010/NBA,Dt.9th October,2014
	Re-Accreditation-1	3 Years w.e.f 19.07.2008	F.No.NBA/ACCR-15/2001, Dt. 19th July,2008
	Accreditation	3 Years w.e.f 07.05.2003	F.No.NBA/ACCR-190/2003, Dt.20/05/2003
M.Tech, Software Engg.	Accreditation	3 Years w.e.f 30.11-2.2023	F.No. 11-76-2010/NBA Dt. 30.11.2023

Major Facilities

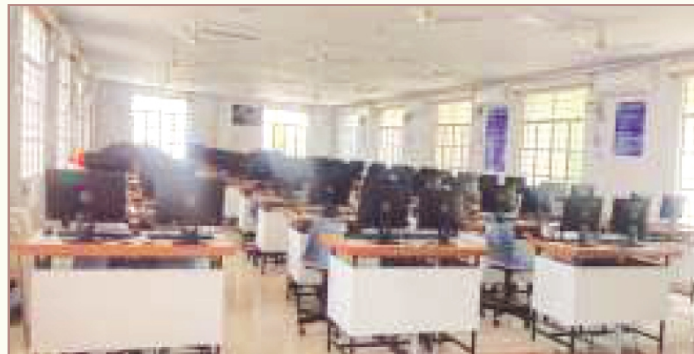


CISCO: At the institute, CISCO CoE includes CISCO Networking Academy which provides training, internship, placement opportunities to the students



"Automation Anywhere University has been an incredibly stabilizing tool for empowering our educators, managers, employees, and students. It has significantly helped accelerate RPA adoption, reduced costs, and maximized our technology investment."

Laboratories



Student Activities

Kits Warangal has organized SUMSHODINI'22 a yearly technical symposium conducted on 18th & 19th November 2022, as part of Sumshodhini'22, on behalf of the department, the students of B. Tech. (CSE) in association with CSI & ISTE student Chapter and Technical Club, KITSW are organized a technical workshop - "WORKSHOP ON AI" on 18th Nov 22.

1. LOGIX V7
2. PAPER PRESENTACIA
3. ULTRON'23
4. TECH FUSION: POSTER PRESENTATION
5. INFOCRUISE
6. WEB DESIGN 2.0
7. TECHWIZARD
8. SECRET CIPHERS
9. TECHNOPHILIA

Achievements

1. Ph.D awarded to P. Tirupathi, titled "Internet of Things Technologies and Protocols", 2023, Kakatiya University under the supervision of Dr. P.Niranjana, Dept. of CSE, KITSW.
2. Details of the Idea proposal approved during 7th PMAC Meeting of MSME Innovative held on 15.02.2024 & announced by Hon'ble Minister of MSME on the occasion of CPSE Conclave at Vigyan Bhawan, New Delhi on 29.02.2024.
Event Name: MSME IDEA HACKATHON 3.0 Idea Reference No: IDEATS012849

Project Title:

"Automation of farming tools for smart farming using Android Application (A Gaming Approach)". File No: SP/YO/2019/974(G). Farming is the backbone of the Indian Economy, where the major contribution is from the farming sector. Today, most Indian farmers are still using traditional methods for growing crops; hence, promoting automation tools that are cost-effective will help farmers cultivate more land, reducing investment costs and doubling their income. This project is aimed to create cost-effective automated tools for farmers. In this regard, this project aims to develop a semi-autonomous, low-cost KIT to control farming tractor and their tools.



KITS Warangal invents 'driverless automated tractor'

NS RAO
WARANGAL

Department of Computer Science, Engineering (CSE), Kakatiya Institute of Technology, Science Warangal (KITSW) invented a 'driverless automated tractor for farmers' according to KITSW principal Prof K Ashoka Reddy.



A fourth trial run was successfully completed on Friday, said the principal. On this occasion, former Rajya Sabha MP and KITSW governing body chairman V Lakshminikantha Rao said that SEED (Science for Equity Empowerment and Development) Division under DST has sanctioned a major research project titled "Automation of farming tools for smart farming using Android application (A Gaming Approach)" to the department of CSE. For this project the Principal Investigator Md. Sharfuddin

Waseem, Assistant Professor of CSE, co-investigator is Prof P Niranjana Reddy, Head of the Department of CSE and the mentor is associate professor S Narasimha Reddy, Head of the Department of CSE (Networks). An amount of Rs 40 lakh was sanctioned for the project. This funding project was developed by the KITS Warangal.

V Lakshminikantha Rao, KITSW treasurer P Narayana Reddy and Husnabad constituency MLA and KITSW additional secretary Voththala Sateesh Kumar complimented the principal investigator of the project.



Host Institute Name:

Kakatiya Institute of Technology and Science, Warangal

Title of the Idea: Helmet based green signal activation at traffic signals

Incubatee Name: Bathini Sriharshitha

Mentor Name: D. Naveen Kumar

Grant Proposal Amount: Rs 12,50,000

Idea Proposal approved date: 15.2.2024

NPTEL Certifications :

Year	Faculty	Students
2023-24	44	36
2022-23	33	05
2021-22	04	17
2020-21	17	04
2019-20	08	16
2018-19	29	01

Career Opportunities for B.Tech (CSE) & M.Tech (SE):

- Most of the students of the department have been placed on campus and off campus every year in reputed software companies like Accenture, Genpact, TCS, Infosys, Google, Tech Mahindra Verisk Analysis, E2-open and TA Digital etc.
- The students also have opportunities M.S Courses in USA, UK, Australia, Canada in the field of computer science, AI, ML, Data Science, Data Analytics etc.



After the training session there was certification program which was conducted by AAU



Guest Lecture by Prof. Jagadev Gyani



CSE Alumini Mr. K. Anurag visited the department