



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 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 MATHEMATICS&HUMANITIES

Milestones

S. No.	Mile Stones	Year
1	The Department has its existence since the inception of this institute, as a part of the Department of Humanities and Sciences.	1980
2	The department of Humanities & sciences has been bifurcated into the Department of Physical Sciences and Department of Mathematics & Humanities	2005
3	Department was recognized as Research center in 2007 and 8 scholars awarded Ph.D. degree from the department.	2007
4	As per the instructions from AICTE Conducting SIP/UHV-II for B. Tech first Year students	Since 2018
5	Three FDPs Virtually organized (online)	2020
6	To provide opportunities for additional learning through SWAYAM/NPTEL/MOOCs, Department introduced Minor degree in Mathematics and English	2020

Faculty Achievements

Year	Publications in SCI Journals	Publications in SCOPUS Journals	Publications in OTHER Journals	FDPs/STTPs/ Workshops attended	Workshops / FDPs organized
2023-24:	01	01	05	19	01
2022-23:	01	01	15	12	--
2021-22:	01	01	08	36	---
2020-21:	01	02	08	76	03
2019-20:	02	01	04	48	--
2018-19	01	02	09	66	--

NPTEL Certifications

Year	Faculty	Students
2023-24	06	
2022-23	03	
2021-22	18	01-Minors in English
2020-21	03	
2019-20	03	

Major Equipment

- 72 Computing Systems with K-VAN SOLUTIONS International Software
- LCD Projection System

LIST OF LABORATORIES

S. No.	Name of the Laboratory	Area (m ²)	Total Cost of Equipment (Rs)
1	ENGLISH LANGUAGE LAB/ PRESENTATION SKILLS LAB	65.00 sq mts	34,98,257

LIST OF SOFTWARE

S. No.	Name of the Software	Name of the supplier/ vendor	Validity	Licensed Software/ Open Software	Cost (Rs)
1	K-VAN SOLUTIONS	Soft Technologies Private Limited	Perpetual license	Licensed software	84,000



Vision, Mission of the Department

Vision:

The Mathematics and Humanities department shares the vision of the institute of achieving excellence in teaching and research in providing latest technical knowledge, analytical and practical skills, Managerial competence and interactive abilities to students, so that their employability is enhanced.

Mission:

- To cultivate mathematical taste, nurture mathematical interests, motivate research in mathematical sciences so that one can work on challenging real-life problems.
- To impart necessary communication skills and proficiency in English Language so that the presentation skills of the students are improved.
- To develop the oral and written skills of students and to improve their confidence level.
- To make them strong in facing challenges in their career.

Best Practices of the Department

- Monitoring the students through class teachers.
- Conducting SIP/UHV-II more effectively with internal resources
- Integrating Innovation Incubation Research and Entrepreneurship and OBE into course teaching.

SWOC Analysis of the Department

Strength

1. 95% of existing faculty are possessing doctorate degree
2. Average teaching experience of the faculty is more than 13 years
3. Faculty are updating their knowledge by attending continuous education programmes like FDPs, Workshops, Refresher Courses, Certification courses of NPTEL, MOOCS and etc.,.

Weakness:

1. Less number of submissions for research projects.
2. Research guidance.
3. Book Publications

Opportunities:

1. Scope for improvement for more number of research quality publications with qualified faculty
2. Scope for conducting FDPs and Workshops.
3. Encouraging faculty to acquire more online certification courses like MOOCS, SWAYAM, NPTEL courses etc

Challenges:

1. Majority of admitted students are with rural background
2. Admitted students are not subjected to concept base education at +2 level (Intermediate).

Short term and Long-Term Goals of the department

Short Term Goals of the Department

Short term goal 1:

To minimize the detention of students because of shortage of attendance

Short term goal 2:

To minimize the detention due to backlogs in first year subjects.

Long Term Goal(s) of the Department

1. Quality Research and Research projects
2. Collective research activities are to be increased
3. Develop a system that fosters the overall development of students, including cognitive, social, emotional, and physical development.