



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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

కాకతీయ ప్రేచ్ఛాగికీ ం విజ్ఞాన సంస్థాన, వరంగల - 506 015 తెలంగానా, భారత

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015 తెలంగాణ, భారతదేశం

(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)

Welcome to

Chairman and Members

NAAC Peer Team

(for cycle-II accreditation)

18.03.2024 & 19.03.2024

Outline of Presentation:

- Institute overview
- Vision, Mission & Goals of IQAC
- Composition of IQAC
- SWOC analysis of the Institute
- Strategic Plan & Actions
- IQAC activities
- IQAC Incremental Growth
- IQAC recommendations
- Best Practices



Institute overview

Institute: **Kakatiya Institute of Technology & Science**, *Warangal, Telangana*

- **Year of establishment:** 1980
- **Programmes offered:** 11 B.Tech, 7 M.Tech, 1 MBA
- **Recognized Research Centres:** 4 (CE, ME, CSE, EIE)
- **Accreditation status:**
B.Tech-CE, ME, EEE, IT - NBA accreditation for
3 years - upto June 30, 2025
B.Tech-CSE, ECE, EIE - NBA accreditation for
3 years - upto June 30, 2024
M.Tech-SEC, DE, PE & SE
- **Institute Website:** www.kitsw.ac.in
- **Principal email id:** principal@kitsw.ac.in
- **IQAC email id:** iqac@kitsw.ac.in

IQAC - KITSW:

Estd.: 03.09.2014



VISION:

To promote a system towards quality enhancement through internalization of quality culture and best practices in the institute

MISSION:

- ❖ To arrange for periodic assessment and accreditation of institution for academic programmes
- ❖ To stimulate the academic environment for promotion of quality of teaching-learning and research in the institute
- ❖ To encourage self-evaluation, accountability, autonomy and innovations in the institute

IQAC - KITSW:

Objectives:

- Internal Quality Assurance Cell (IQAC) established in the institute as per guidelines of NAAC.
- The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.
- IQAC works towards realisation of the goals of quality enhancement and sustenance at the institute.
- IQAC will be a facilitative and participative voluntary system in the institute to ensure internalization of the quality culture. It acts as a dynamic system for quality changes in the institute.

IQAC Committee:



S. No.	Particulars	Nomination
1.	Chairperson: Head of the Institution	<i>Principal: Prof. K. Ashoka Reddy, Principal, KITSW</i>
2.	A few senior administrative officers	<i>i. Registrar: Prof. M. Komal Reddy</i> <i>ii. Dean Academic Affairs: Dr. K. Venu Madhav, Professor, Dept. of EIE</i> <i>iii. Controller of Examination : Dr. V. Rajagopal, Professor, Dept .of EEE</i> <i>iv. Dean R&D : Dr. M. Veera Reddy, Professor, Dept. of CE</i> <i>v. Dean Student Affairs : Dr. V. Shankar, Professor, Dept. of CSE(N)</i> <i>vi. Dean Training & Placement : Prof. Y. Purandar</i>
3.	One member from the Management	Sri. P. Narayana Reddy, Treasurer

IQAC Committee:



S. No.	Particulars	Nomination
4.	Three to eight teachers	<p><i>i. HoD, CE : Dr. M. Andal, Professor</i></p> <p><i>ii. HoD, ME : Dr. P. Srikanth, Professor</i></p> <p><i>iii. HoD, EIE : Dr. M. Raghuram, Assoc. Professor</i></p> <p><i>iv. HoD, EEE : Dr. G. Rajender, Assoc. Professor</i></p> <p><i>v. HoD, CSE : Dr. P. Niranjan Reddy, Professor</i></p> <p><i>vi. HoD, IT : Dr. T. Senthil Murugan, Assoc. Professor</i></p> <p><i>vii. HoD, ECE : Dr. M. Raju, Assoc. Professor</i></p> <p><i>viii. HoD, CSN : Dr. S. Narasimha Reddy, Assoc. Professor</i></p> <p><i>ix. HoD, MBA : Dr. V. Nivedita Reddy, Assoc. Professor</i></p> <p><i>x. HoD, M&H : Dr. K. Shiva Shanker, Assoc. Professor</i></p> <p><i>xi. HoD, PSS : Dr. D. Prabhakara Chary, Assoc. Professor</i></p> <p><i>xii. HoD, PE : Dr. M. Srinivas Reddy, Asst. Professor</i></p>

IQAC Committee:



S. No.	Particulars	Nomination
5.	One / two nominees from local society, Students and Alumni	<i>i. Law:</i> Sri Pamulaparthi Sadasiva Rao, Sr. Advocate, Hanamkonda <i>ii. Alumni:</i> Sri Mallela Rajagopal, Chairman & Management Director, SATRA Group of Companies, Hyderabad <i>iii. Student:</i> P. Jayasurya, IV B.Tech-CSO(B20IN030)
6.	One / two nominees from Employer / Industrialists/ Stakeholders	<i>i. Employer:</i> Sri Ch. Venkata Phani Kumar, Senior Engineering Manager, Google India Pvt Ltd, Bengaluru. <i>ii. Industrialist:</i> Chitteti Sridhar Reddy, Chief Executive Officer, Prathiraj Metal Masters Pvt. Ltd, Hyderabad. <i>iii. Parent:</i> D.Ramesh, (Parent of D.Sucharith Sharma IV-B.Tech-ECE)
7.	One of the senior teachers as the Coordinator IQAC	Dr. C. Venkatesh, Professor, Dept. of EEE
8.	Special Invitees	<i>i. Faculty I/c., IQAC:</i> Dr. K. Ramudu, Assoc. Professor, Dept. of ECE <i>ii. Faculty I/c., IDC:</i> Dr. B. Raghuram, Assoc. Professor, Dept. of CSE

IQAC - KITSW:

Goals

The short term, long term goals of the IQAC

I. Short term Goals

- To start new PG programmes in emerging technologies
- To promote quality research in all departments
- To establish of Centres of Excellences in all departments
- To participate and win in National Ranking through various agencies

II. Long term Goals

- ★ To strengthen collaborations with foreign Universities
- ★ To promote innovation, incubation, research and entrepreneur(IIRE) culture

SWOC analysis of the Institute:

Strengths

- UGC Autonomy since 2014
- NAAC accreditation with 'A' grade
- All eligible B. Tech. courses are accredited by NBA under Tier-I format
- GOLD CATEGORY Institute - AICTE-CII Survey of Industry Linked Technical Institutes since 2015
- Good faculty retention
- Industry experts as Adjunct faculty
- Course content and outcomes designed by industry experts as per the expected Knowledge and Skills
- Learner-centric OBE pedagogy, which integrates innovation, incubation, research and entrepreneurship activities into course teaching
- Very supportive and strong alumni base spread across the globe
- Research Centres recognised by the Kakatiya University
- 65.04 acre green campus, with 1.5 Gbps internet connectivity
- Society outreach through Students Activity Centre (SAC), NSS, NCC and Humanity clubs

Weakness:

- Need for strengthening industry connect for faculty training, consultancy, sponsored research and establishing industry supported laboratories
- Need for placing students with high CTC packages to attract rankers
- Need for strengthening core placements to attract students in core branches
- Need for strengthening R&D in emerging areas of technology and societal impact of R&D projects
- Need for improving the quality of publications
- Need for improving the number of implementable patents Need for improving the student diversity

SWOC analysis of the Institute:

Opportunities

- Efforts are on for acquiring a degree granting university status
- Effective tapping of potential of huge alumni base spread across the globe for student internships and strengthening innovation and startup ecosystem
- Effective business incubation support through MSME Business incubator for successful development of startups
- Faculty Upskilling programmes in collaboration with industry and academia in the emerging areas of technology
- MoUs with institutes of national importance for student internships and faculty collaborative research projects
- International Collaboration with Universities for possible exchange programs in the areas of student academic programmes & internships and faculty teaching & research
- Video lectures for Student-centered learning : Some of the faculty are developing video lectures as part of their course teaching, in an effort to create MOOCs in future

Challenges:

- To constantly revise & update the curriculum and laboratory infrastructure to fulfil industry needs
- Recruitment of skilled faculty to teach emerging tech courses
- Lack of exposure to new technologies and research facilities to faculty members, can become a hurdle for imparting quality education to the students
- Recruitment of industry experts as Professors of Practice
- Attracting students from other states
- Lucrative financial packages and facilities provided by the private and foreign universities can cause migration of good faculty members

Strategic/Perspective Plan and Deployment:



Strategic Goals	Strategic Plans	Deployment
Good Governance and Decentralized Administration	Vision and Mission	Implementation through Governing Body, Internal Quality Assurance Cell (IQAC) Academic Advisory (AAC), Deans, Professor I/c Heads of the Department Academic Coordinators Department Academic Advisory Committee(DAAC) Board of Studies(BoS) Department level committees
	Decentralization	
	Participative Management	
	Policy Implementation	
	Automation in Administration	
	Maintenance	
	Financial mobilization and Utilization	
	Faculty Recruitment	
	Skill Upgradation	

Strategic/Perspective Plan and Deployment:



Strategic Goals	Strategic Plans	Deployment
Accreditation & Certification	NBA Accreditation	All eligible UG programmes, 4 PG programmes
	UGC 2f & 12b Recognition	Institution is recognized under UGC 2f on 17 th Oct., 2018.
	NAAC Accreditation	Cycle-I: 'A' Grade Cycle-II: Applied and peer team visit today
	ISO Certification	Institution is certified with ISO: 9001:2015 upto 2026
	Institution Innovation Council	3-Star rating in 2022-23
	AICTE-CII Survey	Gold Category Institute for 6 consecutive years from 2015 to 2020
	ARIIA ranking	Most Promising Institute in Self-financed Technical Colleges
	NIRF Ranking	201-250 band in NIRF-2022 rankings 197 th rank in NIRF-2021 rankings 180 th rank in NIRF-2019 rankings
	AICTE-IDEA Lab	Rs. 1,23,00,000/- sanctioned in 2022 to boost Innovation & Incubation activities

Strategic/Perspective Plan and Deployment:



Strategic Goal	Strategic Plan	Deployments
Infrastructure and facilities	Number of Classrooms & Laboratories	<ul style="list-style-type: none"> Adequate number of Classrooms are provided as per the AICTE norms. State of art laboratories are developed with good ambiance, software & hardware upgradation. Center of Excellence Labs: NI LabVIEW Academy, BOT-Lab, INDO-AMERICAN ARTIFICIAL HEART PROJECT (IAAHP) Project, Cisco Networking Academy, Transfinite iLab, Blackbuck, Telangana Innovation and Incubation Center
	Upgradation of classrooms with ICT Tools	<ul style="list-style-type: none"> All classrooms are equipped with Projectors and Wi-Fi facility for ICT
	Improving R&D facilities	<ul style="list-style-type: none"> Research & Development facilities are provided in each department with Research & Education Centers Recognised Research Centers at CE, ME, EIE, CSE
		<ul style="list-style-type: none"> PG Research Labs
	Wi-Fi upgradation	<ul style="list-style-type: none"> In 2018-19, the capacity was 0.55 Gbps. Wi-Fi is regularly upgraded to meet the requirements. Presently with a capacity of 1.5Gbps Mbps. Total number of Access points increased to 46
	Computer Upgradation	<ul style="list-style-type: none"> Computers are upgraded to i5 core processors. Presently total number of computers= 1736, for academics Student computer Ratio: 2.64
	Security	<ul style="list-style-type: none"> Cameras are installed in entire campus for surveillance.
	Sports & Extra-curricular activities	<ul style="list-style-type: none"> Basket Ball court, TT floor mats, Synthetic Badminton Mats, Hockey Field

Strategic/Perspective Plan and Deployment:



Strategic Goal - Curriculum Development

Stakeholders feedback`	<ul style="list-style-type: none">→ Feedback on curriculum from Students, Recruiters, Parents & Alumni→ Identification of Knowledge, Skills & Values(KSQs) of courses INDUSTRY EXPERTS
Gaps identified in the curriculum and local needs	<ul style="list-style-type: none">→ Gaps identified by Department Academic Advisory Committee(DAAC)→ Introduced Advanced Data Structures - Theory & Laboratory
AICTE model curriculum	<ul style="list-style-type: none">→ Model curriculum 2018 released by AICTE→ Introduced mandatory Internship→ MOOCs courses as electives
Outcome based education	<ul style="list-style-type: none">→ Continuous internal evaluation with Minor exams and special assignments→ Introduced Lab Manual cum Record Book (LMRB). Assessment of students with experiment outcomes→ Syllabus is framed to meet lecture wise outcomes
NEP 2020 MOOCs guidelines	<ul style="list-style-type: none">→ Flexibility in curriculum through Self-learning, Acceleration program→ Additional learning through Honours, Minor→ Courses on Human values & Professional Ethics→ EAA: Extra Academic Activity - Sports & Games for students as part of course work

Strategic/Perspective Plan and Deployment:



Strategic Goal - Teaching & Learning Process

- **Strict adherence to Almanac / Academic calendar**
- **Outcome based lecture sessions - shared to students through Outcome based lecture schedule (OBLS)**
- **ICT based teaching with essential materials shared in CourseWeb LMS**
- **Course Committee: Regularly meets to follow up on classwork, prepare internal exam question papers and tutorial sheets**
- **Students feedback: Class Review Committee Meeting (CRC) and Online feedback (2 times per semester each)**
- **Every course has 4 Course Outcomes (CO1, CO2, CO3, CO4)**

Strategic/Perspective Plan and Deployment:



Strategic Goal - Teaching & Learning Process

- **Continuous internal assessment:**
 - **Minor Exam-I - covering CO1**
 - **Mid semester Exam-I - covering CO1, CO2**
 - **Minor Exam-II - covering CO3**
 - **Mid semester Exam-II - covering CO3, CO4**
- **External assessment: ESE - covering CO1, CO2, CO3, CO4**
- **Questions are mapped to Cognitive Domain Learning Levels (CDLL) and COs**
- **Result Committee meetings (RCM) are conducted to analyse the performance of students based on OBE reports**
- **Counselor-Counselee system (Mentor-Mentee) - Student Counseling Record Book is maintained**

Strategic/Perspective Plan and Deployment:



Strategic Goal - Research & Development

- ❖ **Research support in learning, upskilling, career development, projects**
- ❖ **The institution has a stated Code of Ethics for research the implementation of which is ensured through the following:**
 - 1. Inclusion of research ethics in the research methodology coursework**
 - 2. Presence of institutional Ethics committee (Animal, Chemical, Bio-ethics etc.)**
 - 3. Plagiarism check through software**
 - 4. Research Advisory Committee**
- ❖ **Inclusion of Course Research Paper and patent paper concept for every course**

Strategic/Perspective Plan and Deployment:

Strategic Goal - Research & Development

Faculty publications:

Academic Year	SCIE	SCOPUS	UGC	TOTAL
2022-23	55	76	-	131
2021-22	65	55	-	120
2020-21	44	52	2	98
2019-20	21	81	18	120
2018-19	17	27	11	55
Total	202	291	31	524

Student publications:

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19
No. of publications	55	76	-	131	

Strategic/Perspective Plan and Deployment:



Strategic Goal - Research & Development

Number of research projects funded by government and non government agencies

No.of Research projects	2022-23	2021-22	2020-21	2019-20	2018-19	Total
	04	04	02	02	04	16

Research grants received (in lakhs)	2022-23	2021-22	2020-21	2019-20	2018-19	Total
	59.59228	75.58764	40.95065	43.56857	70.46814	290.1673

Strategic/Perspective Plan and Deployment:



Strategic Goal - Research & Development

Amount of seed money provided by the institution (in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19	Total
0	4.48	16.98	0	8.4094	29.8694

Research Centres offered by the Departments	CE, ME, CSE & EIE
Total No. of Research Supervisors	17
Total No. of Scholars	48
No. of Scholars Awarded	15
No. of Scholars (<i>submitted Thesis</i>)	01
No. of Scholars (<i>ongoing</i>)	32

Strategic/Perspective Plan and Deployment:



Strategic Goal - **Research & Development**

Bibliometrics of the publications during the last five years

Bibliometrics	Scopus	WoS
No. of Publications	565	254
Citations	2957	1595
h-index	25	19

Incremental growth:

1. TLP process in 5 years (reforms-CP/CRP/OBLP/OBE Teaching)

- Facilitate a successful active learning
- Implementation of Outcome Based Education through lecture wise course outcomes
- To integrate **innovation incubation research and entrepreneurship (I2RE)** into our course teaching to create industry-ready T-shaped engineers
- Integrating research in Course teaching through **Course Research paper (CRP) & Course Patent (CP)**
- To make students ready for **industry 4.0** imparting the relevant 21st century KSQs and
- ensure that the identified KSQs are demonstrated by students through valid and reliable assessment & evaluation
- **Tutorial Classes:** Problem solving sessions using higher order cognitive abilities (HOCAs)
- **Self-learning Topics:** Students are expected to take ownership and accountability of their learning

Incremental growth:

1. TLP process in 5 years (reforms-CP/CRP/OBLP/OBE Teaching)

- **Assignment based Teaching Learning Process (ATLP) - Additional Assignments:** Continuity in delivery of course content and student active engagement with course material
- **Assignments A1, A2 (to be submitted):** Assignments should have problems which can be solved using HOCAs
- **UG Project works / PG Dissertations**
- Impart the relevant KSQs to solve real-world complex engineering problem and prepare students **to write a technical paper** out of UG project work / PG dissertation

Incremental growth:

2. AAA Reports - with external experts

IQAC, KITSW is conducting Academic and administrative Audit (AAA) as per the NAAC guidelines every academic year.

The following are the details of AAA successfully done by IQAC, KITSW during the Assessment period

AAA conducted on 17th & 19th February, 2024 for the A.Y. 2022-23

AAA conducted on 20th & 21st February, 2023 for the A.Y. 2021-22

AAA conducted on 2nd & 3rd September, 2021 for the A.Y. 2020-21

AAA conducted on 13th & 14th August, 2020 for the A.Y. 2019-20

AAA conducted on 27th & 28th August, 2019 for the A.Y. 2018-19

Incremental growth:

3. IQAC meeting- minutes

IQAC is conducting meetings every year as per NAAC guidelines to appraise the quality initiatives taken upon by the institute. The following are details of IQAC meetings conducted during the assessment period and the suggestions from IQAC members are considered for the strategic plan of the institute.

- 7th IQAC meeting conducted on 27th February, 2024 for the A.Y.2022-23
- 6th IQAC meeting conducted on 25th March, 2023 for the A.Y.2022-23
- 5th IQAC meeting conducted on 26th February, 2022 for the A.Y.2021-22
- 4th IQAC meeting conducted on 23rd January, 2021 for the A.Y.2020-21
- 3rd IQAC meeting conducted on 18th July, 2020 for the A.Y.2019-20 (online)
- 2nd IQAC meeting conducted on 30th November, 2019 for the A.Y.2018-19
- 1st IQAC meeting conducted on 15th September, 2018 for the A.Y.2017-18

Incremental growth:

4. IQAC Annual Reports

NO. OF ACTIVITIES CONDUCTED:

2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
10	10	25	18	78	48

Incremental growth:

5. Examination reforms

- To enhance the performance of the Examination Branch, since 2014 academic year, the Institute either restructured the existing procedures or introduced new methods / reforms to optimize following user specific activities to reduce the delay and also help the students to get their requirements at the earliest.
 - **Student-centric**
 - **Parent-centric**
 - **Faculty-centric**
 - **HoD-centric**
 - **Administration-Centric**
- **Formulation of the procedures/action plan for publishing the results within 15days from the end of the examination**
- **IT integration has been done in Examination Branch**
- **Digital Evaluation Through On Screen Marking**
- **Assessment and Attainment Calculations for Outcome Based Education through BEES software.**

Incremental growth:



6. Introduction of Self-learning, acceleration list of students

Number of NPTEL Certifications under KITSW Local Chapter both faculty and Students:

Course Run	Present	Gold	Elite	Silver	Successful	Participation	Toppers	Institute Rating
Jul-Dec 2023	1249	13	390	128	343	375	39	A
Jan-Apr 2023	489	8	159	62	141	119	24	Active
Jul-Dec 2022	211	3	79	43	40	46	12	Active
Jan-Apr 2022	131	3	44	22	32	30	6	Active
Jul-Dec 2021	122	1	40	16	36	29	4	Active
Jan-Apr 2021	110	4	33	25	25	23	6	-
Jan-Dec 2020	275	4	94	50	58	69	11	Active
Jul-Dec 2019	214	6	76	41	44	47	11	-
Jan-Apr 2019	137	7	33	42	44	11	9	Active
Jul-Oct 2018	8	0	3	0	4	1	1	Active
Jul-Dec 2017	3	0	2	0	1	0	-	-
Jan-June 2017	1	1	0	0	0	0	1	-
Jan-June 2014	1	0	0	0	1	0	-	-

Incremental growth:



7. Introduction of H/M programs list of students

At KITSW, to support students' additional learning needs, the following provisions are made in URR18 curriculum:

- **HONOURS**
- **MINOR IN ENGINEERING**

S.No.	Name of the Batch	Awarded for Minor Degree	Awarded for Honors Degree
1.	2018-2022	09	03
2.	2019-2023	04	02
Total		13	05

Incremental growth:

8. Promotion of Innovation & Incubation i2RE activities

- The KITSW has created eco system for innovation and undertaking initiative for creation of transfer of knowledge to the community.
- Center for Innovation, Incubation, Research & Entrepreneurship (i2RE)
- It has established 5 different centers
 1. AICTE IDEA Lab
 2. Institution Innovation Council (IIC)
 3. MSME (Micro Small Medium Enterprise) Business Incubation
 4. Entrepreneurship Development Cell (EDC)
 5. National Innovation Start-up Policy (NISP)
- Student Alliance for Innovation and Leadership (SAIL) body is established by Centre for Innovation, Incubation, Research and Entrepreneurship (i2RE)

Incremental growth:



9. Internships, Industrial trainings & Collaborative Activities

Internship Summary & Collaborative Activities with industry

S.No.	Academic Year	Internships completed	No. of collaborative activities and exchange programs
1	2018-19	950	07
2	2019-20	959	18
3	2020-21	1067	05
4	2021-22	1080	43
5	2022-23	1120	55

No. of functional MoUs/linkage/collaboration: 44

Incremental growth:



10. No. of International Conferences Organized: 05

- The Department of Electronics & Communication Engineering has organized a Scopus Indexing Springer LNNS 5th International Conference on "Computer & Communication Technologies (IC3T) 2023" on October, 6th & 7th 2023.
- The Department of Electronics & Communication Engg. Has organized a Scopus Indexing Springer LNNS 4th International Conference on "Computer & Communication Technologies (IC3T) 2022" held on July, 29th & 30th 2022.
- The Department of Mechanical Engineering has organized International Conference on "AICTE - Energy Sustainability - 2022(AICTE-ES-2022)" held on May 20 & 21, 2022.
- The Department of Electronics & Communication Engineering has organized 5th International Conference on "Data Engineering and Communication Technology (ICDECT-2021)" held on July 15 & 16, 2021.
- The Department of Electronics & Communication Engineering has organized 4th International Conference on "Data Engineering and Communication Technology (ICDECT-2020)" is held on September 25 & 26, 2020



Incremental growth:

11. Anti- Plagiarism Policy-Turntin software bills plagiarism reports of projects

- **ANTI - PLAGIARISM POLICY OF KITSW - 2020** is implemented w.e.f March 2020
- The seminar reports, mini & major project reports, dissertations, and manuscripts for submission to conferences / journals shall go through plagiarism check and accordingly issue the certificate to the applicant.
- Uncompromising Academic Integrity through Prevention of Plagiarism
- Ref: University grants commission (Promotion of Academic Integrity and prevention of Plagiarism in higher education institutions) regulations, 2018 - F.1-18/2010(CPP-II), dated 23rd July, 2018.

12. MoU between NIT Warangal and KITSW on 29th January, 2021

Scope of MoU:

Academic and Research Collaboration in the mutual interested areas

Academic Interactions and Support leading to higher qualifications

Exchange of Academic and Scientific information

Exchange of students and Faculty

IQAC Activities:

- Induction programme to I year students as per AICTE guidelines
- Orientation programme for PG students
- Orientation programme for newly joined faculty
- Awareness programme - NEP, OBE
- Conduction of FDPs, Conferences
- Co-curricular activities for students towards innovation and incubation
- Review of Teaching-Learning process
- Academic & Administrative Audit (AAA) of departments and cells
- IQAC committee meeting
- Coordinate recruitment and annual increment process
- Implementation of anti-plagiarism policy
- Reforms in TLP, internship, industrial training, research and examinations

Induction programme to I year students as per AICTE guidelines



● Induction programme - 2 weeks - As per AICTE guidelines

- First year students before class work
- Life skills, Goal setting, Communication skills
- Overcoming peer pressure
- Awareness on developments in engineering & multi disciplinary engineering applications
- Awareness on OBE, Self-learning
- Interaction with Alumni & Industry experts



The Chief guest, Sri. Haripati Gupta, Psychologist & Motivator during student Induction Program held at KITSW Warangal.



Col. Ravinder Singh on Responsibility Citizens, 25.11.21

THE HANS INDIA Call to acquire technical know-how

HANS NEWS SERVICE
WARANGAL

ACQUIRING technical know-how is paramount to engineering students to excel in their academics, K Ashok Reddy, Principal, Kakatiya Institute of Technology & Science, Warangal (KITSW), said, Addressing the II Tech freshers here on Wednesday, he emphasised the need for focusing on academics and as well as on the fast-paced technical developments. The



KITSW Principal K Ashoka Reddy addressing II Tech freshers in Warangal on Wednesday

25.11.2020

Academic Year	Dates of conduction of SIP
2023-24	18.08.2023 - 26.08.2023
2022-23	01.11.2022 - 04.11.2022
2021-22	23.11.2021 - 30.11.2021
2020-21	25.11.2020 - 01.12.2020 (Online)
2019-20	02.08.2019 - 10.08.2019
2018-19	19.07.2018 - 31.07.2018

- Awareness programme - NEP, OBE, IPR**

Activity
Awareness on National Education Policy
Outcome Based Education
Conversion of projects to IPRs

- Conduction of International Conferences**

A.Y.	Date	Conference Theme	Department	Conference Proceeding
2023-24	October, 6th & 7th 2023	Computer & Communication Technologies (IC3T) 2023	ECE	Lecture Notes in Networks and Systems (ISSN No. 2367-3389)
2022-23	July, 29th & 30th 202	Computer & Communication Technologies (IC3T) 2022	ECE	Lecture Notes in Networks and Systems (ISSN No. 2367-3389)
2021-22	May 20 & 21, 2022	AICTE - Energy Sustainability - 2022 (AICTE-ES-2022)	ME	GRADIVA REVIEW JOURNAL (ISSN No: 0363-8057)
2021-22	July 15 & 16, 2021	Data Engineering and Communication Technology (ICDECT-2021)	ECE	Lecture Notes on Data Engineering and Communications Technologies (ISSN: 2367 - 4512)
2020-21	September 25 & 26, 2020	Data Engineering and Communication Technology (ICDECT-2020)	ECE	Lecture Notes on Data Engineering and Communications Technologies (ISSN: 2367 - 4512)

- **Conduction of FDPs**

A.Y.	No. of FDPs/Workshops/STTPs/Seminars Conducted
2023-24	57
2022-23	62
2021-22	18
2020-21	08
2019-20	07
2018-19	07

- **Co-curricular activities for students towards innovation and incubation**

A.Y.	EDC	IIC	MSME
2023-24	7	14	1
2022-23	6	27	3
2021-22	5	24	3
2020-21	3	11	
2019-20	4	6	
2018-19	4	4	

- **Review of Teaching-Learning process**

Implementation of OBE - Teaching -Learning Process (TLP)

Through effective course teaching-learning activities, the faculty at KITSW,

- Interact with industry experts
- Identify the industry relevant knowledge, skills and Qualities (KSQs)
- facilitate active learning
- Make course students ready for industry imparting relevant KSQs
- Ensure that the identified KSQs are demonstrated by course students through a valid and reliable assessment

Course Web Portal

- Students are given access to CourseWeb portal
- Faculty updates the course portal with relevant information supporting the TLP

Essential components of TLP

- Course introduction video
- ATLP assignments: Assignment based teaching learning
 - Lecture wise assignment
 - To test whether student achieved the lecture outcomes
- Tutorial classes
 - Tutorial sheets

- **Review of Teaching-Learning process**

- **Essential components of TLP *contd...***

- **Assignments - CODING BASED**
- **Self-learning topics**
- **Special Assignments**
 - **Course Research Papers (CRPs) - summarizing CRPs related to course**
 - **Course Patents (CPs) - summarizing CPs related to course**
- **Course Projects**

- **Essential components of TLP *contd...***

- **Table of Specifications (ToS)**
 - **Question paper Mapping COs and Cognitive domain learning level**
 - **Assessment templates**
- **Assessments**
 - **Assignments, Minor exams, mid semester exams, end semester exams**

- **Academic & Administrative Audit (AAA) of departments and cells**

- ❖ **Academic and Administrative Audit of Departments and Administrative Cells and Sections is done every year - with EXTERNAL MEMBERS from Kakatiya University and NIT Warangal**
- ❖ **AAA applications are as per NAAC SSR metrics.**
- ❖ **Suggestions from external members are used as tools for actions to be taken for goal achievement**

- **IQAC committee meeting**

- **Annual IQAC meeting is held for approval and suggestions based on Institute activities, reforms and AAA observations**

- **Coordinate recruitment and annual increment process**
 - **Annual increments are based on Performance Based Appraisal Form (PBAS) for faculty**
 - **360 degree feedback form is introduced for annual increments from AY 2022-23**
 - **Annual increments for technical staff is based on performance in test and confidential report from Head/Incharge of the concerned Department/Section**

- **Coordinate recruitment and annual increment process**

- **Recruitments of faculty and staff are done based on SFR and requirement - *Applications are invited, scrutinized and interviews conducted and Approval is taken from Governing Body***
- **For Direct Recruitment notifications are given in *national and local news papers, media and website*. Interviews are conducted with external members from Kakatiya University, NITs/IITs as subject experts**

A.Y	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
Sanctioned posts	285	292	263	251	262	235
Recruited	285	292	263	251	262	235

BEST PRACTICE-I



1. Title of the Practice

Integrating Research & Entrepreneurship activities in Outcome based Teaching & Learning

2. Objectives of the Practice

Outcome based education ensures students to acquire desired knowledge and skills at the end of the programme

The objectives of this practice are to:

- i. impart relevant 21st century skills to students for industry 4.0
- ii. inculcate self-learning ability to students
- iii. orient students towards lifelong learning
- iv. foster innovation and entrepreneurial skills

- **Implementation:** OBLS is prepared and shared to students on institute learning management system called CourseWeb
- This CourseWeb features the information pertaining to the course with
 - OBLS,
 - Classroom Discussion Topics (CDTs),
 - Self Learning Topics (SLTs),
 - Program based Assignments,
 - Course Research Papers,
 - Course Patents,
 - Course Projects (CPr) and relevant learning material

BEST PRACTICE-II



Title of the Practice:

Student Alliance for Innovation and Leadership (SAIL) by Centre for Innovation, Incubation, Research and Entrepreneurship (i²RE)

Objective of the Practice:

- Student Alliance for Innovation and Leadership is a platform dedicated to foster a culture of innovation, incubation, research, and entrepreneurial skills among our student community.
- This initiative aims to empower students to channelize their creativity, knowledge, and ideas into impactful projects, events, and initiatives that contribute not only to student's personal growth but also to the growth of the institution.

Implementation:

- Nurturing leadership qualities by steering individual teams within the dynamic landscape of SAIL body activities
- Cultivating the art of professional team building
- Instilling an entrepreneurial mindset
- Providing a platform for acquiring practical acumen
- Encouraging the identification and adapt usage of cutting-edge technologies tailored to upcoming market opportunities, aligning seamlessly with the demands of research and development in the market landscape.

● **Rolls of IQAC, Coordinator - IQAC office**



S.No.	Name of the Coordinator	Period
1	Prof. P. Ramachandra Rao, <i>Dept. of MH</i>	03.09.2014 to 18.08.2018
2	Prof. C. Venkatesh, <i>EEED</i>	19.08.2018 to 12.12.2019
3	Prof. K. Eswaraiyah, <i>MED</i>	13.12.2019 to 14.12.2022
4	Porf. C. Venkatesh, <i>EEED</i>	15.12.2022 to till date

S.No.	Name of the Faculty I/c - IQAC	Period
1	Sri K. Jagadish Kumar, <i>Assoc. Prof., EEED</i>	03.09.2014 to 23.01.2022
2	Dr. K. Ramudu <i>Assoc. Prof., ECED</i>	24.01.2022 to till date

S.No.	Name of the Faculty I/c - IDC	Period
1	Dr. K. Jagadish Kumar, <i>Assoc. Prof., EEED</i>	03.09.2014 to 24.04.2018
2	Dr. M. Raju, <i>Assoc. Prof., ECED</i>	25.04.2018 to 08.11.2020
3	Dr. B. Raghuram, <i>Assoc. Prof., CSED</i>	09.11.2020 to Till date

Photo Gallery

PHOTO GALLERY OF IQAC MEETING

6th IQAC Meeting held on 25.03.2023 Venue: Committee Hall, Block-IV, KITSW



Sri Ch. Venkata Phani Kumar,
External Member, attended ONLINE

Sri Chiteti Sridhar Reddy,
External Member, attended ONLINE



Sri Mallela Rajagopal,
External Member, attended OFFLINE

6th IQAC Meeting held on 25.03.2023 - Venue: Committee Hall, Block-IV, KITSW

Photo Gallery



7th IQAC Meeting held on 27.02.2024 - Venue: Committee Hall, Block-IV, KITSW

Photo Gallery



AAA @Dept. of CSE (Network)



AAA @Dept. of CSE



IC3T-2023 Conference Poster released
by Dr.K.Ashoka Reddy, Principal, KITSW



Prof.N.V.Ramana Rao, Director-NIT-Warangal
has chief guest for IC3T-2022 Conference

Photo Gallery

PHOTO GALLERY OF IQAC ACTIVITIES



[IQAC Cell @ Block-IV](#)



[AAA Committee Members](#)



[AAA @Dept. of CE](#)



[AAA @Dept. of CE](#)



Thankyou