ISO 9001:2015	AICTE-CII: GOLD Category Institute	NAAC-'A' Grade Institute (CGPA: 3.21)	NIRF-2021 Rank : 197

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
काकतीय प्रैद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ 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)

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KITSW-INTRODUCTION

Kakatiya Institute of Technology & Science, **Warangal** (KITSW**) is a private-self-financing co-education technical institute,** established by Ekasila Education Society (EES) **in 1980 by an elite** group of philanthropists with an objective to impart quality technical education and provide a strong & ethical human resource base to the society. **Hon'ble Ex. Prime Minister Late Shri. P. V. Narasimha Rao** inaugurated the institute. Over 42 years, the institute through its quality initiatives has attracted academicians of proven competence as faculty, augmented its infrastructural facilities and has emerged as one of the most sought after institutes in engineering and management education.

Courses Offered:

- Started as an undergraduate institute with three B.Tech courses affiliated to the Kakatiya University (KU), Warangal, now the institute is offering *Eleven (11) B.Tech courses*, *Seven (07) M.Tech courses* and a *Master's in Business Administration* (MBA), with a *total student strength of 4754* (UG: 4589, PG: 165).

- The institute is recognized as Research Centre by Kakatiya University for Ph.D programme and there are about *41 PhD scholars under various disciplines*.

Accreditation and Rakings:

- **NBA**: All eligible B.Tech courses are accredited by the NBA under Tier-I format.

- **NAAC**: The institute is accredited by the NAAC with A - grade (CGPA: 3.21/4).

- **UGC Autonomy**: The UGC has accorded first time autonomy for a period of Six (06) years *w.e.f.* the academic year 2014-15 and extended for a period of Five (05) years *w.e.f.* the academic year 2021-22, including ex-post-facto for the period 2020-21.

- **NIRF**: The institute secured *180th rank in NIRF-2019*, placed in *200-250 band of NIRF-2020*, *197th rank in NIRF-2021* and placed in *201-250 band of NIRF-2022*.

- **ARIIA Ranking**: *Promising institute* for 2022

- **AICTE-CII Ranking**: *GOLD category institute* for sixth consecutive year since 2015

- **SWAYAM-NPTEL** recognised the institute's local chapter for *Best Faculty Performance* for JAN-APR 2023

- **National Employability Award**: Received Aspiring Minds *National Employability Award for top 10% colleges in India* for the years 2021 and 2022

- **ISO**: It is ISO 9001-2015 compliant

- **Careers360 Rating**: *AAAA* rated institute for 2023

Infrastructure & Facilities:

Spread over **65.04 acre green campus**, the institute has

- *Innovation & Incubation Centre* (10,000 sft)
- *AICTE IDEA Lab* (5,000 sft)
- *MSME Business Incubator* Host institute status
- Four (04) centres of excellence *(CISCO, Indo-American Artificial Heart Project, NI LabVIEW, RPA-BOT Lab)*
- *AICTE mandated e-journals* with remote access and Central library with over *1,00,000 books, magazines*
- **The other infrastructure and facilities include**
  - 84 classrooms, 96 laboratories and 7 auditoria & seminar halls
  - *25 acre dedicated playfield*
  - Boys & Girls hostels, Staff quarters
  - *RO mineral water plant* with 2000 lit/hr capacity
  - *Sewage treatment plant* of 350 KLD capacity and
  - *Grid-tied Solar Power Plant*: 400 kW
  - *1.5 Gbps* internet connectivity

Placements & Alumni:

- The institute witnessed good placement seasons over the last few years, with *71% placement in 2020-21, 90 % in 2021-22 and 82% in 2022-23*.
- The institute has over 26,100 alumni base who are well placed across the globe and are holding responsible positions in industry, academia and research.
- Prominent alumni of the institute established start-ups, became entrepreneurs and received prestigious award for their services.

NEP2020:

Constituted a committee for revising the curriculum taking the insights from the NEP2020 guidelines. The Institute is confidently implementing the outcome based education (OBE) as a student-centric learning model and marching ahead to acquire national and international reputation with accreditations.

KITSW VISION, MISSION, & SWOC ANALYSIS

Vision:

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

Mission

- To provide latest technical knowledge, analytical and practical skills, managerial competence and interactive abilities to students, so that their employability is enhanced.
- To provide a strong human resource base for catering to the changing needs of the Industry and Commerce.
- To inculcate a sense of brotherhood and national integrity.

Strength, Weakness, Opportunity and Challenges (SWOC)

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 for consecutive 6th year by AICTE-CII Survey of Industry Linked Technical Institutes since 2015
- Visionary management and Governing Body with eminent people from industry and academia
- Committed faculty, staff and enthusiastic students
- Good faculty retention
- Industry and Academia experts in Board of studies of all courses
- 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
- Good placement record
- Very supportive and strong alumni base spread across the globe
- Leveraging through Centres of Excellence
- Research Centres recognised by the Kakatiya University
- AICTE mandated e-Journals in Digital Library with 24x7 remote access
- Decentralized Academic Administration and Transparent Governance
- Society outreach through Students Activity Centre (SAC), NSS and NCC
- Initiatives for implementation of NEP 2020
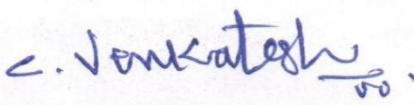- 65.04 acre green campus, with 1.5 Gbps internet connectivity

Weaknesses:

- 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

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
- The 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
- Foreign universities in the country and private universities will cause huge competition
- Lucrative financial packages and facilities provided by the private and foreign universities can cause migration of good faculty members

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Coordinator, IQAC