

**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE**

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

కాకతీయ ప్రొటోగికి ఎవ్ విజ్ఞాన సంస్థాన, వరంగల - 506015, తెలంగాణ, భారత

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) &amp; 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

## VISION 2030

*Marking our golden jubilee in 2030, we aim to position KITSW among the top 200 engineering institutions in India through excellence in education, impactful research, strong industry collaboration, innovation-driven entrepreneurship, and proactive community engagement*



## The Strategic Plan 2026-2030

Draft Copy

*(seeking inputs from stakeholders on this draft copy which is approved by Institute Academic Advisory Committee)*

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## VISION

To emerge as an institute dedicated to developing transformative leaders with 21st-century competencies, strong ethical values, social sensitivity, and a commitment to sustainable development, addressing regional, national, and global challenges

## MISSION

- M1: **Education & Skill Development:** To deliver quality education that integrates theoretical knowledge with hands-on skill development through problem-based and outcome-based student-centered learning, fostering 21st-century competencies, sustainable development awareness, and empowering students to become competent professionals, problem-solvers, and lifelong learners who contribute meaningfully to industry and society
- M2: **Research:** To drive solution-focused research that bridges academia, industry, and the community, generating real-world solutions with relevance to sustainable development at local, national, and global levels.
- M3: **Community Engagement:** To connect academic knowledge with community needs through practical projects, outreach programs, and partnerships, fostering inclusive development, sustainable practices, and a spirit of service and collaboration.
- M4: **Culture & Heritage:** To integrate the timeless wisdom of Indian culture and heritage into the curriculum, promoting holistic development, inner growth, harmony, and a balanced approach to life and learning; and to preserve and promote the enduring values and sustainable practices of Indian knowledge systems, culture, and heritage for the benefit of future generations.

## VISION 2030

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## 1. Institute Profile

**Kakatiya Institute of Technology & Science, Warangal (KITSW)**, established in 1980, is an NIRF-ranked autonomous engineering institute (Rank Band: 201–300, 2025), committed to delivering quality technical education with the active involvement of all its stakeholders. Approved by AICTE and recognized by UGC, all eligible undergraduate programs and four postgraduate programs of the institute are accredited by the NBA, New Delhi, under Tier-I status. The institute has been awarded an **‘A’ Grade** by NAAC, and the AICTE-CII survey has placed it in the **Gold Category** for six consecutive years since 2020. KITSW is recognized as an **MSME Business Incubator Host Institute** and has been granted an **IDEA Lab** by AICTE. The institute continues to strengthen its academic ecosystem through outcome-based education, research-driven initiatives, industry collaboration, and community engagement.

Over the years, the institute has expanded its academic programs, research activities, infrastructure, and stakeholder partnerships to respond to evolving educational and technological demands. KITSW actively promotes interdisciplinary learning, innovation, and professional skill development to prepare graduates for meaningful contributions to industry and society. The institute’s academic, research, and outreach initiatives increasingly align with the principles of sustainable development goals.

### 1.1 Strategic Plans

Aligned with its **Vision 2030**, KITSW has been pursuing structured strategic planning to emerge as one of the premier engineering institutes in the country. The **previous Strategic Plan 2020–2025** enabled the institute to secure a place among the top 300 engineering institutions in India. The **Strategic Plan 2026–2030** builds upon these initiatives and ushers in the next phase of KITSW’s journey toward academic excellence, with the goal of positioning the institute among the top 200 engineering institutions in the country.

## 2. Preamble – Draft Strategic Plan 2026-2030

Kakatiya Institute of Technology & Science, Warangal (KITSW), has consistently pursued academic excellence, research advancement, innovation, and industry engagement through structured institutional planning and continuous quality improvement. **The previous Strategic Plan 2020–2025** provided a focused framework for strengthening Outcome-Based Education practices, promoting research culture, enhancing innovation and incubation initiatives, and deepening stakeholder engagement.

As the institute progresses into the next phase of its developmental journey, it is essential to build upon these achievements while responding to emerging academic trends, technological advancements, evolving industry expectations, and quality assurance feedback. The strategic direction is also aligned with the United Nations **Sustainable Development Goals (SDGs)**, reinforcing the institute’s commitment through our teaching-learning ecosystem, interdisciplinary research, sustainable campus operations and proactive community engagement.

The **Draft Strategic Plan 2026–2030** is conceived as a forward-looking institutional framework aligned with the institute’s vision and mission. This draft plan seeks to enhance academic excellence, scale research and innovation, improve employability outcomes, strengthen governance systems, and increase institutional visibility through community engagement. It reflects KITSW’s commitment to systematic growth, stakeholder-centered development, and continuous improvement to sustain competitiveness and relevance in the evolving industry-academia ecosystem.

### 2.1 Basis for Draft Strategic Plan 2025-2030:

This draft strategic plan has been developed by an internal committee based on insights and recommendations received during visits and evaluations by external expert bodies including NBA, NAAC, AICTE, UGC, and independent academic audit teams, along with deliberations involving institute faculty. The NBA accreditation visits scheduled in 2022,

2023, 2024, and 2025, along with the NAAC peer team visit in 2023, provided valuable insights into academic processes, outcome-based education practices, research initiatives, governance systems, and student development activities.

These interactions enabled the institute to consolidate institutional strengths while identifying areas for strategic enhancement. Additional evidence was drawn from the institute's engagement with recruiters and companies visiting for campus recruitment over the last five years. This feedback from industry partners highlighted emerging skill requirements, employability expectations, and the need for continuous curriculum alignment with technological advancements.

## **2.2 Draft copy for Stakeholder consultation:**

The present **draft Strategic Plan 2026-2030** is now placed for broader stakeholder consultation to incorporate perspectives from recruiters, industry experts, alumni, parents, students, and other institutional partners. Feedback collected through this consultative process, by **February 2026**, will inform stakeholder expectations, refinement of strategic priorities, goals, and implementation approaches.

## **2.3 Due Approvals by competent authorities:**

Following stakeholder consultations, the **draft Strategic Plan 2026-2030** will be reviewed at departmental and institutional levels **by March 2026**, including deliberations by Heads of Departments and Deans within the Academic Advisory Committee (AAC). The AAC will prepare the **final Strategic Plan 2026-30**, incorporating year-wise activity and budget requirement tables. The **finalized Strategic Plan 2026-30** will then be submitted to the **Academic Council** and the **Governing Body** of the Institute for approval **by May 2026**. This structured approach ensures transparency, stakeholder connectivity, institutional ownership, and alignment with the institute's vision for long-term development.

### 3. Preliminary SWOC Snapshot

As part of the strategic planning exercise, a preliminary SWOC (Strengths, Weaknesses, Opportunities, and Challenges) assessment has been undertaken to understand the institute's current position and guide future priorities.

This preliminary institute-level SWOC analysis is based on the following inputs:

- i. Observations and recommendations received during previous NBA accreditation visits conducted in 2022, 2023, 2024, and 2025
- ii. Feedback from the NAAC Peer Team visit in 2023
- iii. Annual Academic Audit reports prepared by external experts
- iv. Inputs from recruiters during campus placement activities
- v. Feedback and insights from the Institute faculty

#### 3.1 Strengths

- i. Vision-driven institutional leadership
- ii. 45 years of academic standing with UGC autonomy
- iii. Well-developed infrastructure supporting teaching, research, and innovation
- iv. Qualified and committed faculty with strong retention
- v. Established Outcome-Based Education framework
- vi. Structured research promotion and academic integrity practices
- vii. Active innovation and startup ecosystem supporting student initiatives
- viii. Strong industry engagement and placement support
- ix. Experienced academic governance and quality assurance systems

#### 3.2 Weaknesses

- i. Limited high-impact research output and visibility
- ii. Moderate competitiveness in student intake quality
- iii. Restricted global academic exposure and collaborative engagement

### 3.3 Opportunities

- i. Potential transition toward University status
- ii. Strong industry-academia collaboration landscape
- iii. Interdisciplinary and technology-driven learning environment
- iv. Global academic partnership ecosystem
- v. Innovation and entrepreneurship ecosystem

### 3.4 Challenges

- i. Competitive higher education landscape, including entry of foreign institutions
- ii. Technological disruption impacting curriculum relevance
- iii. Evolving industry skill expectations

### 3.5 SWOC Review and Stakeholder Consultation:

This preliminary SWOC snapshot provided directional insight for defining strategic priorities and serves as a foundation for developing the institute's focused **4-strategic pillars** for the **draft strategic plan 2026-2030** period. Through structured stakeholder consultation, this preliminary SWOC analysis will be further broadened and used for final strategic plan 2026-2030, by incorporating additional perspectives and recommendations, ensuring that the **strategic plan 2026-2030** reflects collective institutional insight and stakeholder expectations.

## 4. Strategic Goals

To realize our Vision 2030, based on the preliminary SWOC analysis, the institute's long-term goal is to achieve national excellence and recognition as a top-tier engineering institution, while its short-term goals focus on enhancing academic quality, employability enhancement, fostering impactful research and innovation, strengthening industry and alumni partnerships, and expanding community engagement.

### Short-Term Goals (1-3 Years)

*(Execution priorities)*

- 1. University Status Advancement:** Completion of statutory approval and inspection processes toward formal attainment of university status.
- 2. Academic & Infrastructure Strengthening:** Modernization of laboratories and teaching-learning infrastructure, including smart classroom facilities
- 3. Research Capacity Building:** Strengthening research culture through institutional funding, Faculty Upskilling Programs (FUPs), Faculty Development Programs (FDPs) and recruitment of research-oriented faculty
- 4. Industry Collaboration & Alumni Engagement:** Development of strong alumni engagement and enhanced industry collaboration for placement, teaching-learning, research and consultancy
- 5. Curriculum & Employability Enhancement:** Curriculum enhancement through integration of emerging technologies, Sustainable Development Goals and industry-led learning modules and recruitment of Professors of Practice and Adjunct faculty
- 6. Innovation, Community Engagement & SDG Alignment:** Expansion of innovation-driven initiatives and community engagement programs promoting sustainable development and societal impact.

## Long-Term Goals (4–8 Years)

*(Growth & positioning priorities)*

1. **National Ranking Advancement:** Securing a place among top 200 institutes in India (NIRF rankings) with a strategic aspiration to progress toward the top 100
2. **Industry-Sponsored Research Ecosystem:** Establishment of industry-sponsored laboratories across academic programs (one per program)
3. **Innovation & Incubation Excellence:** Development of an innovation and entrepreneurship ecosystem with comprehensive incubation and startup support facilities aligned with societal and sustainable development priorities
4. **Global Academic Engagement:** Expansion of global academic collaborations, accreditation pathways and academic mobility initiatives

## 5. Strategic Pillars for achievement of Goals

To support the achievement of identified short-term and long-term goals, the institute adopts four strategic pillars that define broad domains of institutional focus. These 4-pillars provide a structured framework for translating strategic goals into coordinated institutional initiatives.

### 5.1 Strategic Pillars:

#### Pillar 1 – Academic Excellence & Infrastructure Advancement

This pillar focuses on strengthening the academic ecosystem through modernization of teaching-learning infrastructure, curriculum relevance, and institutional preparedness. It supports goals related to academic quality, employability enhancement, and readiness for institutional expansion.

#### Pillar 2 – Research, Innovation & Entrepreneurship Ecosystem

This pillar promotes research culture, innovation-driven learning, and entrepreneurship development. It aligns with goals focused on research capacity building, incubation initiatives, and long-term innovation ecosystem growth.

#### Pillar 3 – Industry Integration & Employability Advancement

This pillar emphasizes industry collaboration, alumni engagement, and workforce readiness. It supports institutional goals related to industry linkage, employability, and professional skill development.

#### Pillar 4 – Institutional Growth, Global & Societal Engagement

This pillar addresses institutional positioning, governance strengthening, global engagement, and societal responsibility aligned with sustainable development priorities. It supports long-term goals related to rankings, expansion, and community impact.

Each pillar serves as a strategic domain through which institutional goals are pursued. The alignment between goals and pillars ensures coherence in planning while enabling future refinement based on stakeholder consultation and evolving institutional priorities.

### 5.2 Indicative Alignment of Strategic Pillars with Goals and Implementation Directions

The following table illustrates how each strategic pillar supports institutional goals and highlights indicative short-term and long-term implementation directions. These directions are subject to refinement based on stakeholder feedback.

Strategic Pillar	Supported Goals	Indicative Short-Term Directions (1–3 Years)	Indicative Long-Term Directions (4–8 Years)
<b>P1. Academic Excellence &amp; Infrastructure Advancement</b>	<ul style="list-style-type: none"> <li>i. Academic modernization</li> <li>ii. Curriculum enhancement</li> <li>iii. University readiness</li> </ul>	<ul style="list-style-type: none"> <li>i. Laboratory and classroom modernization planning</li> <li>ii. Curriculum review incorporating emerging technologies and SDGs</li> <li>iii. Strengthening academic governance frameworks</li> </ul>	<ul style="list-style-type: none"> <li>i. Advanced program-level laboratories</li> <li>ii. Interdisciplinary curriculum models</li> <li>iii. Institutional preparedness for expanded academic status</li> </ul>
<b>P2. Research, Innovation &amp; Entrepreneurship Ecosystem</b>	<ul style="list-style-type: none"> <li>i. Research capacity building</li> <li>ii. Incubation and innovation growth</li> </ul>	<ul style="list-style-type: none"> <li>i. Faculty research support initiatives</li> <li>ii. Innovation mentoring structures</li> <li>iii. Strengthening research culture</li> </ul>	<ul style="list-style-type: none"> <li>i. Industry-supported research facilities</li> <li>ii. Expanded incubation ecosystem</li> <li>iii. Interdisciplinary research clusters</li> </ul>
<b>P3. Industry Integration &amp; Employability Advancement</b>	<ul style="list-style-type: none"> <li>i. Industry collaboration</li> <li>ii. Employability enhancement</li> <li>iii. Alumni engagement</li> </ul>	<ul style="list-style-type: none"> <li>i. Structured industry advisory engagement</li> <li>ii. Alumni networking frameworks</li> <li>iii. Employability-focused academic initiatives</li> </ul>	<ul style="list-style-type: none"> <li>i. Industry co-developed programs</li> <li>ii. Sector-focused collaboration platforms</li> <li>iii. Strengthened professional readiness ecosystem</li> </ul>
<b>P3. Institutional Growth, Global &amp; Societal Engagement</b>	<ul style="list-style-type: none"> <li>i. Institutional positioning</li> <li>ii. Global engagement</li> <li>iii. SDG-aligned community impact</li> </ul>	<ul style="list-style-type: none"> <li>i. Governance strengthening initiatives</li> <li>ii. SDG-aligned outreach programs</li> <li>iii. Initial academic collaborations</li> </ul>	<ul style="list-style-type: none"> <li>i. Institutional expansion frameworks</li> <li>ii. Global academic partnerships</li> <li>iii. Large-scale community engagement initiatives</li> </ul>

## 6. Conclusion

This **draft Strategic Plan 2026–2030** is being circulated among stakeholders to invite their feedback and recommendations. All **inputs received from stakeholders will be carefully considered**, and a final draft will be prepared at the institute level by the **Institute Strategic Plan Drafting Committee**, with due deliberations with **faculty** and the **Institute Academic Advisory Committee**, by March 2026. The **finalized Strategic Plan 2026-2030** will then be submitted to the Institute **Academic Council** and the **Governing Body** for discussion and approval by May 2026.