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NAAC-'A' Grade Institute (CGPA: 3.21)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506016, TELANGANA, INDIA

కాకతీయ ప్రాధ్యోగికీ ంవ విజ్ఞాన సంస్థాన, వరంగల - 506016, తెలంగాణ, ంరత్

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల - 506 001 తెలంగాణ, భారతదేశం

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KITSW

(An Autonomous Institute under Kakatiya University, Warangal)

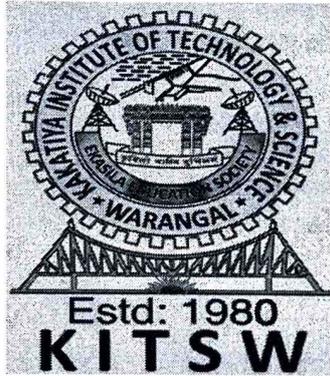
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Sustainable Development Goals (SDGs) Policy



Approved by
Institute Academic Advisory Committee (AAC)

on

29.12.2025

J. uz King

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Estd: 1980
KITSW**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE**

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

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కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 007 తెలంగాణ, భారతదేశం

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Sustainable Development Goals (SDGs) Policy

Institutional Framework for Sustainable Development Goals (SDGs)

Approved by Institute Academic Advisory Committee (AAC) on
29.12.2025

<u>S.No.</u>	<u>Name of the faculty</u>	<u>Designation</u>	<u>Signature</u>
1.	Prof. K.Ashoka Reddy	Principal	
2.	Prof. M.Komal Reddy	Registrar	
3.	Prof. K.Venumadhav	Dean, Academic Affairs	
4.	Prof. V.Rajagopal	Controller of Examinations	
5.	Prof. M.Veera Reddy	Professor I/c. I ³ C	
6.	Prof. U.Srinivas Balraj	Coordinator, IQAC	
7.	Prof. L.Sudheer Reddy	Dean, Planning & Execution	
8.	Prof. G.Ragotham Reddy	Dean, Research & Development	
9.	Prof. K.Sridhar	Dean, Student Affairs	
10.	Prof. M.Srikanth	Head, Dept. of CE	
11.	Prof. P.Srikanth	Head, Dept. of ME	
12.	Prof. K.Sivani	Head, Dept. of ECIE	
13.	Dr. M.Narasimha Rao	Head, Dept. of EEE	
14.	Prof. P.Niranjan	Head, Dept. of CSE	
15.	Prof. V.Shankar	Head, Dept. of CSN	
16.	Prof. S.Narasimha Reddy	Head, Dept. of CSM	
17.	Prof. T.Senthil Murugan	Head, Dept. of IT	
18.	Dr. V.Venkateshwar Reddy	Head, Dept. of ECE	
19.	Dr. K.Shiva Shankar	Head, Dept. of MHS	
20.	Dr. H.Ramesh Babu	Head, Dept. of PS	
21.	Dr. P.Surender	Head, Dept. of Mgmt.	
22.	Dr. M.Srinivas Reddy	Head, Dept. of Physical Education	
23.	Prof. K.Rajanarender Reddy	Head, Centre for i ² RE	
24.	Dr. T.Chandrabai	TPO	
25.	Dr. J.Tarun Kumar	Coordinator, SDG Cell	
26.	Dr. N.Srikanth	Co-Coordinator, SDG Cell	



CIRCULAR

Sub: KITSW - Policy Document on Institutional Framework for Sustainable Development Goals (SDGs)- Reg.
Ref: Minutes of the AAC meeting held on 29.12.2025

In pursuance of the resolution passed by the Institute Academic Advisory Committee (AAC) at its meeting held on 29.12.2025, it is hereby notified to all concerned that KITSW has formulated the policy document on "Institutional Framework for Sustainable Development Goals (SDGs)" will come into force with effect from January, 2026

Policy Name	:	Institutional Framework for Sustainable Development Goals (SDGs)
With effect from	:	January, 2026
Applies to	:	Faculty, Students, Staff
Responsible Person	:	Chairman, SDG Cell
		Contact info: registrar@kitsw.ac.in


PRINCIPAL

To

All Heads of Depts/Sections

- for circulation among faculty & staff
- for necessary compliance

Copy to: 1. The Chairman, KITSW

2. The Registrar

3. AAC

4. SDG Cell

5. AO

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J. Jay *K. S. May*

KITSW-SDG Policy

KITSW commitment to Sustainable development Goals (SDGs)

- We are committed to advancing the UN Sustainable Development Goals by cultivating a sustainability-first mindset across our academic community
- We empower students to engineer innovative, socially responsible, and sustainable solutions that address complex societal, national, and global challenges through teaching-learning eco system, interdisciplinary research, sustainable campus operations, and proactive community engagements.

The Kakatiya Institute of Technology and Science, Warangal (KITSW) has chosen four pillars to cultivate the UN17 SDG goals on campus.

1. Teaching-learning ecosystem
2. Interdisciplinary research
3. Sustainable campus operations and
4. Proactive community engagement.



1. Teaching-Learning Ecosystem

Focus: Integrating sustainability into the core of how students learn.

- 1.1 **SDG-Mapped Curriculum:** Revision of course delivery plans to explicitly link unit topics to specific UN SDGs (e.g., Fluid Mechanics linked to SDG 6)

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- 1.2 **Sustainability-Focused PBL:** Mandating at least one Mini-Project or Major Project per semester that addresses a sustainability challenge adopted by the departments.
- 1.3 **Open Electives:** Introduction of interdisciplinary electives like "Renewable Energies", "Circular Economy in Engineering", "AI for Social Good", "Smart Cities", "Sustainable materials and Green Buildings", "E-waste Management" or any other courses as recommended by the departments subject to the approval of the Academic Audit Committee (AAC).
- 1.4 **UHV & Ethics Integration:** Strengthening Universal Human Values (UHV) modules to connect professional ethics with environmental stewardship.
- 1.5 **Digital Pedagogies:** Reducing the carbon footprint of education through paperless assessments, virtual labs, Smart and low power consumption projectors, E learning resources and cloud-based LMS.

2. Interdisciplinary Research & Innovation

Focus: Solving complex problems by breaking down departmental silos.

- 2.1 **Seed Funding for SDGs:** Allocation of internal grants for research projects that involve at least two departments (e.g., Civil + AI for smart water grids)
- 2.2 **SDG Innovation Cell:** A dedicated space in the incubator for start-ups working on "Green-Tech" or "Clean-Tech" solutions.
- 2.3 **SDG Green-Tech:** Every Year SDG Cell shall invite the project proposals on "Green-Tech" or "Clean-Tech" from Students of all the Departments in the month of May-June.
 - a) The SDG cell shall Short list a maximum of five projects.
 - b) The selection process shall be announced by SDG cell at the time of notification.
 - c) The Institute shall fund the selected Projects.
- 2.4 **Joint Publications:** Incentivizing faculty to co-author papers in high-impact sustainability journals (monitored for NIRF rankings).
- 2.5 **IPR & Patenting:** Mentorship for students to file patents for low-cost, sustainable technologies developed in campus labs.
- 2.6 **Expert Lecture Series:** Hosting quarterly webinars with global sustainability experts to align research with international standards.

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3. Sustainable Campus Operations

Focus: Using the campus as a "Living Laboratory" for engineering excellence.

- 3.1 **Resource Auditing:** Conducting annual Third-Party Green, Energy, and Water Audits
- 3.2 **Net-Zero Transition:** Phased installation of rooftop solar PV, LED lighting retrofitting, and motion-sensor-based energy saving
- 3.3 **Circular Waste Management:** Establishing an on-campus Bio-gas plant for canteen waste and a certified E-waste collection/recycling protocol.
- 3.4 **Water Stewardship:** Implementing rainwater harvesting, sensor-based leak detection, and zero-liquid discharge (ZLD) through the campus STP.
- 3.5 **Campus Digital Twin:** (For AI/DS/IT) creating a real-time dashboard to monitor campus resource consumption for data-driven optimization.

4. Proactive Community Engagement

Focus: Translating engineering knowledge into social impact.

- 4.1 **Village Adoption (UBA):** Adopting local villages under *Unnat Bharat Abhiyan* and other schemes to provide technical solutions for sanitation, irrigation, and power.
- 4.2 **Skill Development Outreach:** Providing short-term vocational training (e.g., solar panel repair or e-vehicle maintenance) for local unemployed youth.
- 4.3 **Technical Consultancy:** Offering free or low-cost structural safety audits, water testing, or digital literacy programs for local government bodies.
- 4.4 **Industry-NGO Partnerships:** Collaborating with NGOs to implement corporate-funded sustainability projects using student volunteers.
- 4.5 **Sustainability Awareness Drives:** Organizing "Hackathons for Humanity" or "Green Marathons" to involve the local public in environmental goals.

Commitment Assessment/ Metrics

Pillar	Coordinator	Success Metric
Teaching-Learning Ecosystem	Dean Academic Affairs	1. % of SDG-mapped courses
		2. % of SDG mapped Seminar Reports
		3. % of SDG mapped Mini projects
		4. % of SDG mapped Major Projects
		5. % of students empowered on Open Electives.
		6. % of Digital Platforms Created for E learning.
		7. % Of Assessments conducted Paperless.
		8. % of Projectors converted to smart.
Interdisciplinary Research & Innovation	Dean R&D	1. Numbers of SDG-linked Projects Selected for SEED Funding.
		2. Number of "Green-Tech" or "Clean-Tech" Proposals submitted to SDG Cell.
		3. Number of Start-Up ideas submitted to SDG Cell.
		4. Number of Interdisciplinary projects Implemented.
		5. Number of SDG-linked Journal papers
		6. Number of SDG-linked conference papers
		7. Number of SDG-linked patents published.
		8. Number of SDG-linked patents granted.
Sustainable Campus Operations	Dean P&E	1. % reduction in carbon/water footprint
		2. Number of trees planted During the Year.
		3. % Additional Facilities Created During the year.
		4. % Electrical Appliances Converted to Low Power.
Proactive Community Engagement	NSS/UBA Coordinator	1. Number of Villages Adopted During the year.
		2. Number of Outreach Programs organized to Address SDG Goals.
		3. Number of MOUS with NGOs

Constitution of SDG CELL:

For monitoring the commitment towards SDG Goals, the SDG Cell shall be constituted.

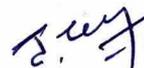
Composition

Chairman	Dean/Registrar
Coordinator	Senior Faculty member (Not less than the rank of Associate Professor)
Co-Coordinator	Nominated by Head of the Institute.
Member	Chairperson Women empowerment cell
Member	NSS/NCC Program Officer
Member	Faculty I/C Transport
Member	Not more than 10 members from Deans, Heads of the Departments and Senior Faculty Nominated by Head of the Institute
Member	Student Representatives three members
Member	Representatives from society (Environmentalists/NGO)

Note: The tenure of the committee members shall be for a period of two years from the date of nomination.

Dept. SDG Coordinator: Every department shall nominate one faculty member as Dept. SDG Coordinator, as part of additional responsibilities/duties for every academic year.


Co-Coordinator
SDG Cell


Coordinator
SDG Cell


Chairman
SDG Cell


Head of the Institute