

KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE



RAMTEK-441 106, DIST. NAGPUR, MAHARASHTRA,

(Managed by Vodithala Education Society, Hyderabad)

Approved by AICTE, COA, New Delhi and Govt. of Maharashtra

Permanently Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

NAAC ACCREDITED

ISO 9001 : 2015
ISO 14001 : 2015
Certified Institute

E-mail: info@kits.edu

Web : www.kits.edu

DTE Institute Code : 4104

Phone: 07114-255309 / 255313

Fax : 07114-255236

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per the NAAC format provided in the Manual.

Best Practice-I

1. Title of the Practice: Green Campus

2. The Objectives:

- To support a sustainable and climate-friendly environment.
- To use sustainable energy and energy efficient measures
- Comprehensive recycling, composting and green landscaping on the campus.
- Environmental awareness and education
- To promote sustainable practices within society.

3. The Context:

Keeping the growing ecological concerns in mind, there is a dire need for immediate action to be carried out and promote eco-friendly practices. The Institute firmly believes that, when it comes to environmental conservation, awareness must be followed by sustainable practices.

The Green Campus program aims to ensure sustainable water, material, and resource sustainability for future generations. The challenge lies in translating sustainable development education into practice, considering economic, social, and environmental conditions. Faculty and student participation is crucial. The institute has implemented initiatives to reduce carbon footprint and promote greener practices.

4. The Practice:

Institute has promoted a variety of activities to help protect the environment and sustain its natural resources.

- Solar Energy

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- Waste Recycling
- Rainwater Harvesting
- Restricted entry of automobile
- Battery Driven automobiles
- Ban on the use of Plastic
- Landscaping with trees and plants

Solar energy: The Institute has installed 250 KVA rooftop solar panels and by linked them with the existing Maharashtra State Electricity Board grid system. Solar streetlights and solar water heaters are used on campus.

Rainwater harvesting: The Institute is steadily working towards the creation of an infrastructure to facilitate rainwater harvesting on a large scale.

The Institute is developing infrastructure for rainwater harvesting, including rooftop systems at Administrative Building, IT Building, and Triveni hostel. Recharge wells, bore wells, and recharge ponds are being initiated to improve groundwater levels. Green grounds and stormwater drains are also being installed to allow rainwater to percolate through the soil.

Vermicomposting: The infrastructure for vermicomposting has been successfully installed on campus and the product is used for plants on campus.

E-waste management: Repairing and recycling of laptops, computer hardware and projectors is encouraged. Some departments use overhauled computer peripherals and laptops as a part of this process. Disposal of unusable hardware is achieved through buy-back policies and the money is utilized to get new and upgraded equipment.

Bio-gas: Bio-gas plant is established near a mess in which kitchen waste is used.

Green Campus: The Institute has planted various trees and herbs throughout the campus and developed lawns all around the buildings and roads. The campus harbors a diverse amount of flora and fauna.

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5. Evidence of Success:

- Vermi compost generated from campus is sufficient and no additional fertilizers are required.
- Waste generated in offices, classrooms, hostels, staff quarters, mess and canteen is collected from the dustbins placed at different locations.
- Solar panels are installed and in the long run, can play an important role as a renewable energy source.
- Due to Rainwater harvesting the groundwater table is increased and no scarcity of water on campus.
- The total number of plants on the campus is 35867 plants in total till date, with a lawn area of 1,17,130.56 ft.
- The institute has Green Audit, Energy Audit and ISO 14001: 2015 Certification for Environmental Management Systems.

6. Problems Encountered and Resources Required:

- The initial cost of solar is very high
- Maintenance of plants with regular watering is a challenge to overcome by the laborers.
- The maintenance budget is increased due to lawn and plantation.
- Green Campus initiatives are challenging, so they require determination and a long-term commitment.
- Going green not only needs investment in terms of money but also a strong will from all the beneficiaries.

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Best Practice-II

1. Title of the Practice: Student Counseling

2. The objective of the Practice:

- To make the students comfortable in the stressful competition, so that they perform to their maximum potential in academics as well as extracurricular activities.
- To guide the students with day-to-day issues or issues related to their academic performance.
- To inculcate problem-solving and decision-making abilities in the students
- To make the students self-confident and self-reliant, so that they can deal with the different issues they are likely to face in the future.
- To create better understanding between students and teachers this helps in creating a harmonious atmosphere in the Institute.

3. The Context:

For students to learn at their peak capacity, they need to be physically, emotionally, intellectually and spiritually well.

In today's era of cutthroat competition, students often suffer from stress and become depressed easily either for academic reasons or for other personal problems. To help students resolve their issues related to personal, academic or any other issues, counseling students is a requirement of the day and time. Since the Institute has the responsibility to build and develop the personality of the students; Counsel the students to raise their self-confidence and develop positive attitudes.

4. The Practice:

The main focus of the counselor is to understand the problems or issues of the students and develop their mindset so that they resolve issues in the right way. They provide guidance to 15-20 students per counselor, maintaining attendance registers. Counselors discuss students' problems related to studies, hostels,

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curricular activities, and health. They send progress reports and attendance to parents after mid-examinations, ensuring students' understanding and relevance in outdated subjects.

After completing their degree, students receive a character certificate based on their counselor's report. Counseling can help address issues like depression, anxiety, and addiction. Many students struggle with low self-esteem, leading to anxiety and addiction. The Institute establishes individual and group counseling systems to address these issues. Counselors maintain student profiles, which guardians use to understand their emotional, academic, and personal aspects. This data helps in designing appropriate curriculum and addressing students' social and emotional needs.

5. Evidence of Success

The counseling practice in our institution has effectively addressed student difficulties, with individual counseling positively impacting academic performance. The number of sessions correlates with academic performance, reducing detention rates, increasing student participation in extracurricular activities, enhancing communication, and improving competitive examination performance.

6. Problems Encountered and Resources Required

Counselors face challenges with students due to introversion and poor educational backgrounds, often from rural areas. Parent meetings are lukewarm, contact numbers are frequently changed, and progress reports are sent through postal or SMS facilities. Regular parent-teacher interaction is necessary for academic performance, but not effective in rural areas.