



AL-AZHAR

COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE)

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

Best Practice I

1. Title

AACET Fee Waiver Scheme

2. Objectives of the practice

1. To help Engineering aspirants from rural, underprivileged and economically weaker sections of the society. This is purely meant to help them in realizing their dream of higher education dream in engineering sciences.
2. The management collects only less than the approved tuition fees from admitted students under government quota depending on their financial status.
3. The students who got admitted under the Management Quota paying less fees than the approved Management Quota Fees.

3. The Context

Many students admitted to our college are coming from the weaker sections of the society. They find it difficult to pay their tuition fee and struggle to get a chance for professional education. In addition, Idukki district has only 5 Engineering Colleges at present. Even though it is geographically the second-largest district in the area, it is very challenging for the students to advance to higher education after schooling.

Hundreds of students from different regions of the district are making advantage of our AACET Fee Waiver Scheme which reduces their financial burden to study a professional program like Engineering. The majority of applicants to the institution are from lower socioeconomic groups. For them, AACET Fee Waiver Scheme is a blessing for them.

4. The Practice

After the implementation of this Fee Waiver Scheme, many scholars from the lower socioeconomic sections of society started to join for B Tech program. The eligible Candidates

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•College of arts & Science •Dental College •Public School •Law College •Teachers Training Institute (T.T.I) •Pharmacy College
•Polytechnic College •Training College (B.Ed.) •College of Paramedical Science •College of Engineering & Technology • Medical College

are selected based on a number of criteria such as plus two marks and annual income. The students who satisfy these conditions become eligible for the Fee Waiver scheme.

5. Evidence of Success

Many Students who are studying in our college after the introduction of this scheme are from Economically weaker section of the society. Such students, after graduating from our college, contribute a lot for the development of the society.

6. Problems encountered and Resources Required.

It was very difficult to find the eligible students for the fee waiver scheme, since the number of applicants from Economically Backward class are more in number. In spite of paucity of funds, the management strains itself to allocate funds to all eligible students.

Best practices II

1. Title

Sustainable Campus Development.


2. Objectives of the practice

- I. To raise awareness among our students, faculty, and staff about environmental protection for future generations.
- II. To practice conservation and effective use of natural resources.
- III. Have knowledge of techniques for preserving and producing new natural resources.
- IV. Spreading the concept of resource and energy conservation to the neighborhood.
- V. To encourage students and employees to adopt them and benefit personally, which will afterwards improve society at large.

3. The Context

The Energy Consumption is increasing day by day. Fossil Fuels and Water are precious resources and we must reduce the consumption of these resources as low as possible. For that we must focus on the Sustainable development. Due to modernization of social living, many fold increase in industrialization and man's desire for comfortable living has increased the production of greenhouse gases there by increasing the future of sustainable earth for




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future generations. The situation further deteriorated as the people still use outdated practices in manufacturing and refining process.

Environmentalists and natural observers feel that creating immediate awareness among the youngsters who will be the next generation, about the controlled and effective usage of the existing resources and concentrating on the tapping of the abundantly available renewable energy sources will end the threat to the limitedly available natural resources.

The college management has decided to be an example by practically adopting energy efficient methods and thereby creating awareness among its students and staff to a restricted use, reuse and save natural resources for next generation.

4. The Practice

Our college is located in a hilly terrain where all the rain water becomes runoff water and nothing can be stored in large quantity in the form of ponds or lakes. As per the practice of the local architecture of buildings, all buildings are provided with hipped type of roofing. All the rain water falling over these roof surface is harvested using rooftop catchments and pipe system arrangements. To preserve more water, the institution constructed a Rain Water Harvesting system of Capacity of 50,000 liters in our campus on January 2022.

Used Water from various sources like kitchen sinks, wash basins, bathrooms, and areas for washing clothes in dormitories is collected and transferred to the full-fledged waste water treatment facility in our campus. The treatment facility has a daily capacity of 2 lakh liters.


With the aim of providing safe drinking water, we have a water purifying facility at 3 points in the campus. The area around our college is devoid of plastic. Waste is separated into dangerous and non-toxic categories. Separate collections of bio- and non-biodegradable garbage are made. These wastes are disposed on a daily basis in order to keep the campus decontaminated.

To reduce electricity consumption of our college, we are gradually replacing old CFL lights, tube Lights with LED lights from 2019 onwards. Several solar powered lamps are placed at various parts of our campus for promoting the use of green energy.

5. Evidence of Success

The electricity consumption is reducing gradually over these month slightly due to the replacement of normal lights in to LED lights. For eg; around 110 tube lights situated in the college campus are converted to LED Tube lights, as a result of this approximately more than 2 units of electricity consumption per hour is saved when all lights are in use.




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6. Problems encountered and Resources Required.

Surface of solar panels should be periodically cleaned with soft materials without creating scratches on the surface. To maintain the greenery of the campus and gardens, a group of staff who work all day including working days, non-working days and holidays, should be employed. In general, skilled and dedicated employees who can work with involvement should be identified for effective functioning of the system. The difficulty in finding the fund for arranging these facilities in the campus is also a challenge.



A handwritten signature in blue ink, consisting of a large, stylized initial 'J' followed by a few loops and a horizontal stroke.

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