

Best Practice 1

Title: Eco friendly Campus

Objective

The rapid urbanization and destruction of ecosystems is causing rapid fall in green cover and natural habitat of wildlife. The MRSPTU with an objective to provide an eco friendly environment for sustainable growth is putting all out efforts in this direction.

The context

Since the inception of MRSPTU as Giani Zail Singh Campus College of Engineering and Technology it has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about % of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

The Practice

To fulfill this objective various steps are undertaken including:

1 *Green cover in the campus*

Parameter	Area (in sq.m.)	% age of Site area
Site Area	593269	100%
Area covered by buildings	122244	20% (Approx.)
Area under roads/ pavements	58318.02	10% (Approx.)
Green/ Landscaped area	412706.98	70% (Approx.)

2 *Rain water recharging*: To increase the falling water table, the university has developed rain water recharging wells at different places. These wells do not let the rain water to go as waste in the drain rather the rain water is collected in the wells which increases the water table and in other way it helps in plant growth.

3 *Floral diversity in MRSPTU*: The university has approximately 7000 plants of 62 different species including shisham, peepal, ashoka, khair and amla. To inculcate these values among students different tree plantation drives are organized at regular intervals.

4 *Faunal diversity in MRSPTU*: Around nine species of different birds and animals are found in the campus. The university has planned to set up a vulture park and peacock park to preserve our ecosystem.

5 *Carbon neutrality*: The plantation of a large number of trees has helped in reducing the carbon content. There is provision for organic compost formation from the dead leaves which further enhances the fertility of soil.

Evidence of success

The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of the sun, rain and wind.

Many species of birds are dependent on these trees. In the campus the large number of trees provide food and shelter to the birds and animals.

The university received One district one green campus from MGNCRE.

Problems encountered and resources encountered

1. Lack of funding to maintain and rear new species of flora and fauna

Best practice 2

Title Consultancy to generate revenue for self-sustaining

Objectives of the Practice

The faculty of the university is providing consultancy to help the society to solve their real life problems. The consultancy is provided by different departments in different fields including material testing, architecture and pharmaceutical.

The Context

The university has a mission to achieve both short term and long term goals to benefit the society. The university has developed a policy implemented for faculty of university which contribute towards consultancy. The faculty focuses on current problems of the society including food technology, pharmaceutical, and water quality, cement testing and provides consultancy for different projects of national importance. The consultancy projects are done for resource mobilization and to provide solutions for real life problems of the society.

The Practice

Planning and excellence in consultancy:

The university has developed certain parameters to achieve excellence in consultancy. The faculty has made huge contributions towards revenue generation by providing consultancy to both government and private organizations.

S. no.	Financial Year	Revenue generated (Rs. In lakh)
1	2016-17	192.49

2	2017-18	331.86
3	2018-19	144.76
4	2019-20	155.53
5	2020-21	120.51
	G. total	945.15

Preference for social causes: The consultancy projects are more associated towards development of society i.e water, material testing.

Evidence of success

1. The university has earned 945 lakh from different consultancy projects.
2. The university has tie up with different government and non-government agencies for consultancies.
3. Number of consultancy projects secured by university.
4. The university secured a third party audit for consultancy projects.

Problems encountered and resources encountered

1. Advanced infrastructural facilities are required for consultancy projects to be carried out.

Best practice 3

Title: Providing education to under privileged

Objective

Maharaja Ranjit Singh Punjab Technical University Bathinda is committed to inculcate value based education where students not only obtain degrees rather they are sensitized towards the social causes. One of the major need of hour is to provide education to each and every child which is motto of our government also.

Context

Our students contribute towards this by providing education to the children of mess workers and labourers in the evening. Each year approximately 30-40 children are not only taught by our students rather they are motivated and helped to get admission in different schools. The real purpose of education is not only to make students self - centred but also to provide their knowledge for upliftment of society and environmental consciousness. The need of quality education has been highlighted by various education commissions set up by the government of India. In the present scenario of globalization the values of oneness should be inculcated among the students. For the purpose of imparting value based education the human value cell has been constituted in the university.

The practice

The human value cell of university motivate the students to educate the children of unprivileged society. This not only provide education to the children but also provide our students a chance to understand larger picture of society and lead a responsible life. The students are encouraged to teach the children of mess workers and labour of the university. The students of MRSPTU along with their own studies manage one hour teaching in the evening. The class is held in the campus with due permission from authorities. The class includes the children from grade 1 to high school level. The cell not only takes the responsibility of teaching them informally rather admission is arranged in different schools of the city for formal education. Number of students have completed their primary, middle and high school education with the help of human values cell. To encourage more and more students for this noble cause the students who teach in the evening are given due recognition. The students are given certificates at the end of session. To meet the requirement of stationery and other items for these children the members of human values cell and students celebrate their birthdays and other celebrations with them. The parents who are not so privileged to give their wards quality education feel immense pleasure when their wards get quality education. This is a small contribution of our institute towards the society.

Evidence of success

Certificate from the principal regarding students who obtained education with the help of human value cell.

<https://www.youtube.com/watch?v=UOvvKOcXLL0>

Problems encountered and resources encountered

1 Lack of funding