

Value added and Skill Education

Objectives of the Practice

To introduce students a new stage of learning and holistic approach, value added and skill education is vital for all-round development. In line with mission of the institute, following are the objectives:

- To develop competent, value added and Patriotic Engineers of integrity
- To inculcate human values among students
- To enhance employability skills
- To aware students about team work, professional ethics and competitiveness

The context

Majority of the students admitted in our institute are from nearby rural areas and first generation learners. Most of them have been educated through Marathi medium schools and hence English language becomes a major constraint. Students' socio-economic condition also adversely affects their academic development, hence moulding them academically, professionally and intellectually such practices are integral part of our quality education mandate.

Making students competent to face real world challenges for better career opportunities & self reliance necessitates quality education. Situated in rural area with lack of industrialization further aggravates the challenge. Being a technical institute, providing skilled human resources as our social responsibility, the institute imbibes value – added and skill education.

The Practice

Education is not only collection of information, but something more meaningful. Education should be man-making, life giving and character-building. In Indian system of higher education, with the changing times thrust has been given on developing students' personality considering the aspects of all round development. All agencies that govern higher education like UGC, AICTE and DTE have been giving much importance to Value and Skill Education in technical education. The newly formed ministry of Skill Development and Entrepreneurship under Government of India is a welcome step in this regard. Education should prove not only a means for personal enrichment but also to be a platform for reducing social divide and uplifting everyone. It is important for undertaking serious efforts for creating a space for inculcating values among students and providing them training and expertise to develop their skills that are relevant and have utility value. Our institute has been taking consistent efforts in this regard.

The institute is committed to focus on the areas of value education and skill education for building students' lives. The institute believes that if students have to survive as professionals in this fiercely competitive world, they have to be skilful with all respects. Through academics though the institute enhances technical skills, the institute has undertaken several initiatives to inculcate values among students.

The institute organizes activities like meditation and Yoga sessions, social work activities, motivational speeches, Blood Donation camps, Plant Distribution, Energy Conservation etc. to inculcate human values among students.

Meditation and Yoga helps students in creating health consciousness and building positive outlook, attitude and behaviour in their daily life. For newly admitted students institute organizes induction program wherein meditation and yoga are integral part. As succeeding and continuation of such practices, the institute arranges various sessions that helps to maintain as their habit.

Engineers are for the society. Social works help students to understand the need of humans and human kind. The institute organizes various activities under Swatchatta Abhiyan, Unnat Bharat Abhiyan, Digital India Mission, NSS, Nature Club etc. Similar activities are also organized by department student associations. Such activities help in interpersonal skill, communication skill and social empathy.

The institute is always keen on connecting inmates with the outside world. Interaction with eminent personalities helps motivating the inmates. The institute organizes sessions by eminent speakers not only for technical knowhow but also to set examples as role model. Festival of Engineers, Administrators, Scientists and Technocrats (FEAST) is a unique event of such kind.

Blood donation is a noble cause for the society. Institute organizes blood donation camps in the campus; it helps in teaching students about humanity and gives an opportunity to add value to their life. The institute is recognized by District Collector and Red Cross Society for outstanding contribution towards blood collection.

Plantation is instrumental for eco-friendly environment. The institute is well concerned about environment protection through plantation, gardening, use of renewable energy, waste water recycling etc. Tree plantation helps students in creating a sense of caring, responsibility and commitment towards environment.

Energy conservation plays crucial role for sustainable development. 295 KW roof top solar power plants, water distribution through siphon and waste water treatment plant are the major initiatives by the institute towards energy conservation. Such initiatives create awareness among students towards energy conservation and provide opportunities for study projects.

Being technical institution, the institute focuses on transforming human being to human resources. Human beings with adequate technical skills are the driving force for the societal development. As part of regular practice, the institute plays pivotal role to develop technical skills among students through technical events and activities, Workshops, expert talks and students clubs.

MILESTONE, a technical event, has been organized from last two decades by the institute. Every year the event evolved with new ideas to provide better exposure to develop skills among students. The mega event includes paper presentation, poster presentation, designing & modelling, coding, start up ideas etc. Since the organizing committee of the event includes students, the event inculcates administrative skills, in addition to other skills, among students. Institute

organizes Entrepreneurship Awareness Camps to make students avail entrepreneurship as option for their future. Institute also imbibes skills through various activities such as preparatory sessions for Hackathon, industrial /site visits, project / science exhibition etc.

Employment has been prime focus for the institute. In order to make the students employable, the institute conducts several workshops on soft skills, computational skills, project development, operation and maintenance of advanced machines etc.

Interaction with outside world through expert talks has been a regular practice by the institute. The institute invites eminent personalities, alumni, industrialists, engineers etc. Such talks help students to visualize their future as successful professional achievers.

Students clubs like Robo Club, Energy club, Nature club etc. provide students a platform to share and explore ideas towards societal problems.

Evidence of Success

Overall, Efforts taken by the institute to enhance Value and Skill has turned out to be fruitful as our students have gained success at National Level in Hackathon as well as in events like Robocon. This was possible for our students because they could improve their Communication and Presentation skills through their participation in college level activities. The role of the institute in preparing students for such competitions is in line with mission of the institute.

Problems Encountered and Resources required

In a semester pattern, contact hours are so precisely defined that it's very hard to accommodate every aspect of student's development. However, the institute prepares its academic calendar by considering time constraints in a semester pattern and balances with the need of value added and skill education.

Being majority of students admitted are from rural area, the institute faces a challenge to orient them towards professionalism and modern practices. Through

continues efforts to bridge this gap the students have acclimatized the required human values and professional skills.

1. [Meditation and Yoga sessions](#)
2. [Social work activities](#)
3. [Motivational speeches,](#)
4. [Blood Donation camps,](#)
5. [Energy Club](#)
6. [Skill based activity event report](#)
7. [Soft skills](#)
8. [Workshops](#)
9. [Students clubs](#)