

BEST PRACTICE – 1

1.1 Title of the Practice: Enrichment of Professional Skill Sets of Student and its impact on quality placement

Enrichment of Professional Skill can balance the business cycle, reduce skill shortages, and improve training, education, and employment outcomes.

1.2 Objectives of the Practice

Giving students the right direction they need to explore and make plans for their career based on their values, knowledge, and abilities.

- To assist students in learning highly sought-after **technical skills**.
- To close the **knowledge gap** between academia and industry.
- To Impart need based training to the students to **enhance employability and entrepreneurship**.
- To encourage students' **self-awareness, introspection, and critical thinking** to foster **personal development**.

1.3 The Context

The requirements of the competitive workplace of today shape and define job readiness. The application of appropriate training approaches is founded on a thorough examination of the requirements of diverse businesses, and the training is conducted via accredited professional courses. They give our students a **competitive edge** in the **hiring process, extend their horizons, build their self-esteem, and develop their personalities**. Our college placement orientation programs are special because they build students' **soft skills** and **product-based employability abilities**, preparing them for the workforce and making them **industry ready**, in addition to **strengthening their technical knowledge**.

1.4 The Practice

All students in all streams can enrol in the well-structured **Beyond Curriculum Value Added Training (BCT)** courses offered by the institution. **Value-Added Courses, Skill Enhancement Trainings**, and **Career Counselling & Guidance** are all included in BCT.

These courses are created using scientific methods, with the **assistance of input** on the curriculum from various stakeholders, including **employers, academicians, students, and alumni**.

After that, the IQAC & Academic Committee (AC) and the Departmental Academic Committee (DAC) of the relevant Department both approve it.

To increase their **industrial proficiency**, students can take a variety of courses during their degree program. Every successful student is given a certificate.

Some of the major initiatives include:

Value Added Courses:

Value-Added courses are part of the curriculum designed to provide necessary skills to increase the employability quotient and equipping the students with essential skills to succeed in life.

Skill Enhancement Trainings:

The job market is dynamic, and employers seek candidates who are adaptable and open to continuous learning. Training programs that instill a mindset of adaptability and a commitment to ongoing skill development enhance a candidate's long-term employability.

- **Aptitude Skill Development Training:** These classes refresh the fundamental areas of mathematics and logic of the students and cover areas like – Quantitative ability, Logical reasoning, Puzzles and Verbal ability.
- **Technical Skill Development Training:** As a part of our training efforts, we conduct surveys from time to time among corporate to understand the technological up gradations taking place. We figure out the most appropriate technologies and provide the required training based on these inputs.
- **Training on Coding & Pseudocoding:** Practical training on coding and Pseudocoding are also given to the students which nurtures the analytical and logical skills of a student.
- **Soft Skills Development:** In addition to technical skills, training often focuses on developing soft skills such as communication, teamwork, and problem-solving. These skills are critical in most workplaces and can contribute to a candidate's success in securing and maintaining a job.

Career Counselling & Guidance:

Training programs aim to enhance the skills and knowledge of individuals, making them more attractive to employers. The acquisition of relevant skills increases the likelihood of securing a placement in a desired job or industry.

- **Personality Development:** These classes are conducted in parallel with the aptitude sessions and provide rigorous training in the soft skills area.
- **Preplacement training:** These programs such as mock group discussions, mock interviews are conducted by our faculties & industry professionals at college itself. Company specific training is also conducted for better employability quotient.
- **Industry Alignment:** Well-designed training programs that align with industry requirements and trends better equip individuals for placement. Employers are more likely to hire candidates who possess the specific skills and knowledge needed for their sector.

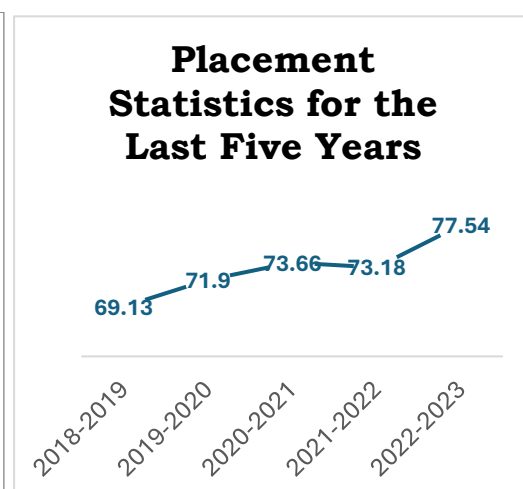
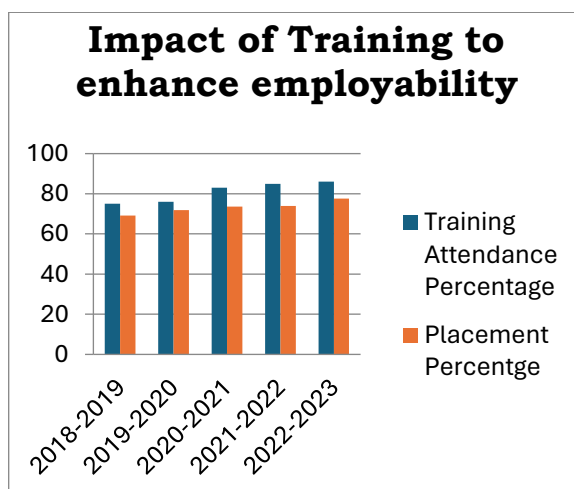
1.5 Evidence of Success

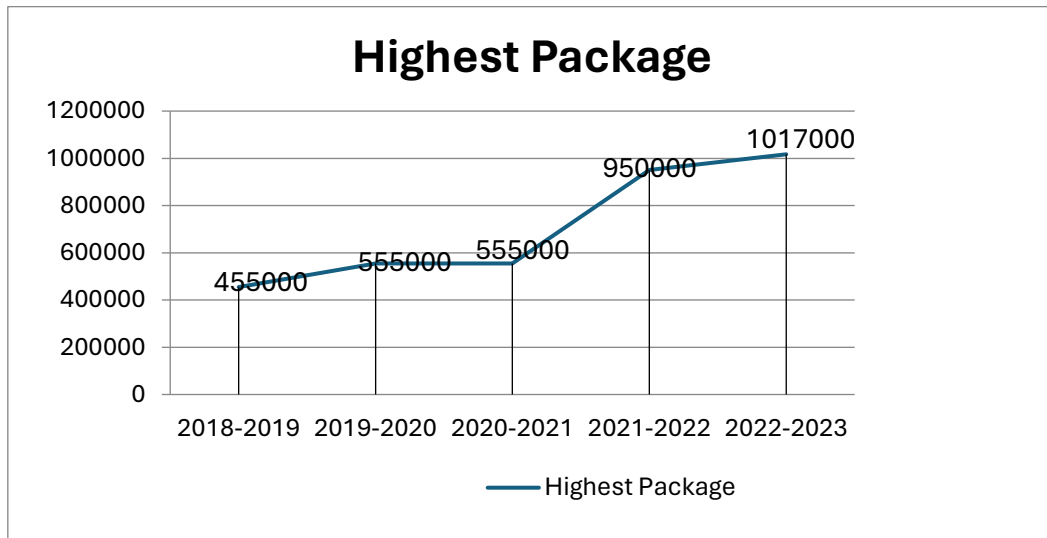
In the preceding five years, students from various departments were provided with 180 **Value Added Courses** (Minimum 30 hours), 150 **Skill Enhancement trainings** focused on improving skills, 90 courses on **Career counselling and Guidance**, and **MOOC** bundles.

The great majority of students successfully finished these courses. The college meets each student's learning needs and builds a solid foundation of knowledge and skills by offering a variety of courses.

While many students have chosen to pursue higher education at various top National and International Universities and **1607** students were placed in various enterprises.

Placement reports from the previous five years show that students have consistently performed well, and their employability is increased significantly, as a result, they are employed by respectable companies (Such as **IBM, CTS, Byjus, Amazon** etc), and have seen **annual increases in average wage**. The **pay package** is also increased annually.





1.6 Problems encountered and Resources Required

Problems Encountered:

Since students like relaxed learning and have little interest in learning outside the box, especially when it comes to their curriculum, it is typically challenging to get them to accept modifications that are made for their benefit.

The institution developed a BCT basket (**Value Added Courses, Skill Enhancement Training Courses & Career Counselling & Guidance Programs**) to address this problem, promoting student skill development through BCT and building a feeling of community among the students by connecting to some of the exciting events such as Technical Fest, Internal Hackathon, Show Your Talents, etc.

Resources Required:

Sophisticated computer facilities and software tools for training courses.

Industry Experts in the field are required.

Need for intellectual resource people from other highly recognized universities.

BEST PRACTICE – 2

2.1 Title of the Practice: Community Engagement Services

Encourage student involvement in charitable projects that enhance the lives of the impoverished on both a social and economic level and foster community development.

2.2 Objectives of the Practice:

- To offer engineering remedies for societal problems.

- To support initiatives for gender parity and issues with women's education.
- To empower individuals to advance social justice and equality in the community.
- To increase environmental protection engagement to advance sustainable development.

2.3 The Context

SurTech is steadfastly dedicated to engaging its stakeholders in a range of community-focused endeavours. The institute understands how critical it is to interact with the neighbourhood and have a positive influence off campus. Environmental conservation strategies, a social focus, and community engagement are now commonplace in academic programs.

SurTech hopes to address social challenges, promote meaningful connections, and support community development in a sustainable way through these activities. SurTech fosters teamwork, communication, and shared responsibility by actively incorporating stakeholders in community activities, such as teachers, staff, students, and locals. This inclusive strategy fosters empathy, understanding, and a feeling of shared purpose in addition to strengthening the institute's engagement with the community. The institute works to improve community well-being and the lives of individuals by implementing volunteer programs, forming relationships with local groups, and hosting outreach events. SurTech exhibits its commitment to social responsibility and its faith in the ability of education to act as a catalyst for positive change by investing time, money, and expertise in community engagement.

2.4 The Practice

The institute actively participates in the planning of awareness campaigns on important subjects such as "SAY NO TO PLASTIC," "SWATCH BHARATH" (Clean India), and "SAY NO TO DRUGS". The local community and schoolchildren are to be educated about the value of healthy living and environmental preservation through these initiatives. SurTech aims to instill a sense of responsibility and motivate people to make positive changes for a cleaner and healthier environment by raising awareness and disseminating knowledge.

SurTech actively participates in the Unnat Bharat Abhiyaan (UBA), a government initiative that promotes cooperation between universities and rural communities. Through UBA, SurTech interacts directly with rural communities to comprehend their problems and create long-term solutions. By utilizing SurTech's resources and skills, this cooperative initiative empowers the community to achieve sustainable growth and encourages social responsibility. SurTech works with rural residents to bring about sustainable, good improvements that enhance their quality of life and advance the community.

Furthermore, SurTech has adopted a nearby village's elementary school on its own initiative. The staff and students at the institute actively assist in improving the school pupils' learning abilities through frequent visits. They strive to provide a welcoming and supportive learning environment in addition to offering invaluable academic support. This program demonstrates SurTech's commitment to inclusive growth and educational outreach, guaranteeing that even the students in the nearby rural areas have access to high-quality education and chances for personal growth. The institute undertakes several community development projects that support the improvement of societal values. The institute took several actions during the COVID-19 epidemic to help those in need and give them with books, vaccines, and aid.

The National Service Scheme (NSS) division of SurTech actively engages in a variety of community-related endeavours. They host events such as "CLEAN AND GREEN," "SAVE WATER-SAVE EARTH," "PLANT A TREE," and "AROGYAME MAHA BHAGYAM" to increase public awareness of environmental challenges and involve the neighbourhood in finding solutions. SurTech fosters a sense of responsibility and group action by encouraging people to actively participate in environmental conservation through these activities.

The Registered National Cadet Corps (NCC) Cell of SurTech actively engaged in a variety of programs to foster a spirit of patriotism, discipline, and leadership among the youth, and to encourage their participation in the NCC. Twenty-Four (24) No of Cadets of Dr. Sudhir Chandra Sur Institute and Sports Complex (SurTech) were participated in the Combined Annual Training Camp (CATC-KB-07). The students had the opportunity to witness firsthand the precision, coordination, and discipline instilled through NCC training. This practical demonstration served to pique the interest of the students and showcase the various facets of NCC beyond theoretical discussions. Through this type of regular training a special emphasis was placed on the significance of NCC inculcating leadership qualities and instilling a sense of responsibility towards society and the nation at large.

The institute's NSS & NCC unit helps to create a more sustainable and greener future by highlighting the value of a healthy environment and encouraging sustainable activities.

2.5 The Evidence of Success:

SurTech is committed to making a meaningful and long-lasting impact on society, as seen by its involvement in community-related initiatives. The organization makes a concerted effort to **solve social issues, foster positive ties with the community, and advance general development.**

SurTech aligns its work with the concepts of **social responsibility and community empowerment** to make a significant difference in the lives of individuals and the larger community it serves through **promoting collaboration**.

Students, faculty members, and staff have participated in a variety of **outreach initiatives** to assist those who are economically and socially disadvantaged. Initiatives to assist the impoverished have frequently included programs like the **distribution of food and other necessities**.

Several student and faculty groups from various clubs and units visit nursing homes and other facilities that provide care for the impoverished on a regular basis with the intention of providing them with necessities.

In addition, many your current and former students are involved with different NGOs and freely donate to worthy causes.

Through these continued initiatives, SurTech shows that it is a responsible and engaged organization that extends beyond the classroom to make a good impact on the community.

2.6 Problems encountered and Resources Required

Problems Encountered:

People who are in need are frequently located in far-off places, which makes it difficult to provide them with social services. Moreover, considering the large number of socially disadvantaged people in the neighbourhood, accommodating everyone becomes a challenging undertaking.

Resources Required:

- Relationships to welfare and nongovernmental groups.
- A thorough database of the neighbourhood and surrounding areas.
- A special car with all the materials it needs.