

## BEST PRACTICES-1

### 1.1. Title of the Practice:

#### **Enrichment of Professional Skill Sets of Student and its impact on quality placement**

### 1.2. Objectives of the Practice

- Guidance for students to explore and plan their careers based on their professional attitude, knowledge, and talents.
- Assisting students in discovering their **interests, aptitudes, potential, and self-confidence**.
- Resolve **technical knowledge gap** between university and industry.
- Provide students with need-based training to improve employability and entrepreneurship.

### 1.3. The Context

- Increased focus on employability in a competitive job market.
- Acknowledgment of the need for diverse talents beyond technical skills in engineering.
- Institution's efforts to enhance students' competitiveness, broaden horizons, and develop personalities.
- Emphasis on soft skills and employability in addition to technical expertise.

### 1.4. The Practice

- Implementation of Value-Added Courses, Skill Enhancement Trainings, and Career Counselling & Guidance.
- Courses designed scientifically with input from various stakeholders.
- Approval process involving IQAC, AC, and DAC.
- Major initiatives including Value-Added Courses, Skill Enhancement Trainings, and Career Counselling & Guidance.

Some of the major initiatives include:

#### **A: Value Added Courses:**

Value-Added courses give students life skills and boost their employability. The college offers well-structured **Value-Added Training Courses (VAC)** for all students in all streams.

#### **B: Skill Enhancement Trainings:**

Skill Enhancement Trainings consists of:

- **Aptitude Skill Development Training** focuses on reviewing math and logic basics such as quantitative aptitude, logical thinking, puzzles, and verbal ability.
- **Technical Skill Development Training** involves studying industry needs, understanding technological updates, and providing training based on these inputs.



- **Training on Coding & Pseudo coding** offers practical training to nurture analytical and logical skills.
- **Soft Skills Development** encompasses communication, teamwork, and problem-solving, crucial for success and job retention in most businesses.

## C: Career Counselling & Guidance:

Career Counselling & Guidance consists of:

- **Personality Development:** Rigorous soft skills training conducted alongside aptitude sessions.
- **Preplacement Training:** Mock interviews led by faculty and industry professionals enhance employability with company-specific training.
- **Entrepreneurship Development Program:** Develops entrepreneurial skills, providing training for starting and running enterprises.

### 1.5. Evidence of Success

- Offerings of over 40 Value-Added Courses (Minimum 30 hours), 50+ Skill Enhancement trainings, and 50+ Career counselling and guidance courses for the last five years focusing on improving employability skills. The programs resulted in high pass rates and satisfaction among students.
- Placement reports from the past five years reveal 1607 students were placed at prestigious enterprises like IBM, CTS, Byjus, Amazon and others having a notable increase in Annual Income.
- Some students have also chosen to study at top national and foreign universities.

*Table 1: Impact of training to enhance employability.*

Type	2022-23	2021-22	2020-21	2019-20	2018-19
Training Attendance Percentage	86	85	83	76	75
Placement Percentage	81.40	80.09	80.53	78.54	76.31

*Table 2: Impact of training to enhance the Highest Package (INR).*

Type	2022-23	2021-22	2020-21	2019-20	2018-19
Highest Package	170000	150000	155000	155000	155000

### 1.6. Problems Encountered and Resources Required:

- Resistance to change among students regarding curriculum adjustments.
- Addressing resistance through comprehensive Professional Skill Development Training Program.
- Required resources include sophisticated computer facilities, industry experts, and intellectual resource people from recognized universities.

#### 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 PRACTICES-2

### 2.1. Title of the Practice:

#### Community Engagement Services

### 2.2. Objectives of the Practice:

- Provide engineering solutions for societal issues.
- Support gender parity and women's education.
- Empower individuals to promote social justice and equality.
- Boost engagement for environmental protection and sustainable development.

### 2.3. The Context:

- DSCSITSC is consistently engaged in community-focused activities.
- Recognition of importance of off-campus impact and community engagement.
- Integration of social focus and community engagement into academic curricula.
- Use of volunteer programs, local partnerships, and outreach events.

### 2.4 The Practice

- **Adoption of 5 villages:**

DSCSITSC's community engagement includes adopting five villages (Rameswarpur, Kalutala, Char Rameswarpur, Chanpatala, and Char Naryanpur) through the Unnat Bharat Abhiyaan, implementing solutions like the "GreenBot" for agricultural issues, and promoting hygiene, which enhanced the District Administration's success in achieving ODF status.

- **Health Camps:**

Mobile clinics and on-site camps offer Eye and Health Checkups along with counseling of psychological issues for senior citizens and all other villagers. Blood donation camps gathered approximately 500 units of blood in recent years.

- **Adoption of School:**

Staff and students of DSCSITSC adopted a nearby elementary school to improve students' learning abilities by providing teaching-learning accessories and academic support.

- **Women Empowerment:**

Women empowerment initiatives, such as workshops, seminars, International Women's Day celebrations and honoring female students, entrepreneurs, are conducted regularly.

- **Fight against hunger through 'Ek Mutthi Daan':**

Through the 'Ek Mutthi Daan' initiative, around 50,000 kg of healthy food resources were donated to nearby slum areas combat hunger by donating food to various institutions.

- **Measures during COVID-19 pandemic:**

During the COVID-19 pandemic, the institution donated 2 crores to CM relief funds, provided more than 4000 vaccinations, and provided essential supplies to DSCSITSC personnel and

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nearby communities.

- **Awareness program:**

Awareness programs like "SAY NO TO PLASTIC," "SWATCH BHARATH" (Clean India), and "SAY NO TO DRUGS" educate on healthy living and environmental preservation for the local community and school children.

- **NSS & NCC Activities:**

NSS and NCC activities engage in community-related events, promoting environmental awareness programs like "CLEAN AND GREEN," "SAVE WATER-SAVE EARTH," "PLANT A TREE," and "AROGYAME MAHA BHAGYAM" and leadership skills among students.

The registered NCC Cell of DSCSITSC promotes patriotism, discipline, leadership among youth by getting actively engaged in Annual Training Camp (CATC-KB-07) and varieties of programs.

### 2.5. The Evidence of Success:

- DSCSITSC's community involvement demonstrates commitment to societal impact by promoting collaboration and empowerment.
- Faculty, staff, and students aid disadvantaged individuals through outreach, distributing essentials, and volunteering for NGOs, showcasing an engaged organization dedicated to community welfare beyond the classroom.


### 2.6. Problems encountered and Resources Required

- **Problems Encountered:**

Geographical distance and widespread social disadvantage complicate the provision of social services.

- **Resources Required:**

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

  
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