

## 7.2.1 TWO BEST PRACTICES SUCCESSFULLY IMPLEMENTED BY THE INSTITUTION

### BEST PRACTICE 1:

#### 1. Title of the Practice: STUDENTS INNOVATION CLUB (SIC)

2. **Objectives of the Practice:** The "Students Innovation Club" at CK College of Engineering and Technology, Cuddalore, aims to foster innovation among students. The club provides a platform for students to understand engineering concepts and implement them through innovation. It encourages interdisciplinary networks, interactions with professionals, and participation in outside competitions.

3. **The Context:** The club provides a platform for students to understand engineering concepts and implement them through innovation. It encourages interdisciplinary networks, interactions with professionals, and participation in outside competitions.

#### 4. The Practice:

- Invitations of Project Expo, Paper Presentation, Tech Events, Workshops, etc. that are received from various Institution's/organizations are circulated to students through department SIC Coordinators
- In addition, the SIC Coordinators will also collect the event information and communicate the same to the students. Interested students are submit their proposals to the Students Innovation Club through their faculty guides, and the SIC committee will shortlists the eligible students.
- All the shortlisted students are facilitated to register and participate in the events concerned with necessary approval.
- Depends on the events and contest the participating students are mentored by the faculty mentors to ensure the students success.

### 5. Evidence of Success:

- The club's success is evident through students' achievements in paper and project presentations.
- They have won various prizes in competitions on topics like nanotechnology, robotics, and green technology etc.,
- Mr. K. Agaramudalvan, a student from the Mechanical Department, was awarded the title of Best Student Engineer by the NLC Engineers and Scientists Association in partnership with The Institute of Engineers.
- Our students have been awarded the Dr. Kalam Young Achiever Award by the World Youth Federation in Chennai on eight occasions and also our students secured the Overall Championship in Project Expos and project Competitions organized by various institutions.

### 6. Problems Encountered and Resources Required:

Challenges include managing high student interest and limited on-duty opportunities. However, the club remains committed to nurturing creativity and innovation among students.

### 7. Notes (optional) -

Through this club, students had excellent opportunities to showcase their innovative projects, ideas, and solutions to industry partners and recruiters. These interactions not only demonstrated students' practical skills and creativity but also open doors to potential internships, job placements, and collaboration opportunities.

**8. Contact:**

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## BEST PRACTICE 2:

- 1. Title of the Practice: INVEST IN YOURSELF (IY)**
- 2. Objectives of the Practice:** The "Invest in Yourself (IY)" practice encompass a variety of geared towards students and faculty members professional growth, skill enhancement with recent technologies beyond their regular curriculum. Invest in Yourself (IY) also provides better wage package for students, product development, innovation, start-ups, etc.,
- 3. The Context:** While the standard engineering syllabus covers fundamental concepts, it often overlooks the latest innovations. To bridge this gap, IY promotes learning recent advancements relevant to each field, benefitting students' career readiness and faculty members' research growth. By using cutting-edge technology outside of the scope of the typical curriculum, the IY practice hopes to motivate students and faculty to improve their technical skills.
- 4. The Practice:** The students and faculty members are encouraged to take two online courses every year as part of IY's promotion of learning about new developments in their respective fields. Students with similar interests form groups, assigned faculty mentors for guidance. The Institution acts as Local Chapter for NPTEL, IIT Madras and facilitated all the students and staff members to actively learn emerging technologies. The NPTEL Local chapter of CKCET bagged ACTIVE tag from the IIT Madras. The institution also adopts a monitoring mechanism to support IY for students and faculty. Each department designates a faculty member as the monitoring In charge.

**5. Evidence of Success:**

IYY has led to improved knowledge levels among students and noticeable progress in faculty research.

- Online Certification for all the students and staff members
- Students Product Development
- Students Startups
- Faculty members research Publications

**6. Problems Encountered and Resources Required:** Time constraints due to practicing beyond regular class hours.

**7. Notes (optional) -**

**8. Contact Details**

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