

## **Best Practice-1**

### **1. Title of the Practice**

"Enhancing Professional Competence of students' through Active Participation in Professional Bodies"

### **2. Objectives of the Practice**

To promote student engagement with global professional organizations, fostering technical expertise, leadership and career readiness through financial and institutional support.

### **3. The Context**

Students often face financial and logistical barriers in participating in professional activities, limiting exposure to opportunities in their fields. Addressing these barriers encourages professional growth.

### **4. The Practice**

The institute actively encourages student memberships in reputed professional bodies like IEEE, CSI, ACM, ASME, ISA, ASHRAE and SWE by subsidizing 50% of the registration fees. Additionally, it bears 50% of the fees for paper presentations and provides financial aid for visits, expert lectures and participation in competitions. The institute also provides infrastructure, faculty support and mentoring and laboratory facilities for activities conducted by these professional bodies.

### **5. Evidence of Success**

Increased student memberships in professional bodies, higher participation in international conferences and competitions and recognition through awards and publications. These outcomes reflect enhanced technical skills, networking and global exposure.

### **6. Problems Encountered and Resources Required**

Challenges include managing institutional budgets for sustained support and motivating students to utilize the opportunities fully. Resources required are funding, coordination with professional bodies and faculty mentoring.

## **Best Practice-2**

### **1. Title of the Practice**

“Industry-Academia collaboration for Enhanced Learning.”

### **2. Objectives of the Practice**

To integrate industry expertise into academic programs through lab development, expert lectures, internships and co-designed courses. It enhances students' practical knowledge and employability.

### **3. The Context**

Collaborating with industries ensures students are equipped with relevant skills .

### **4. The Practice**

The institute collaborates with industry leaders to develop state-of-the-art laboratories and Centers of Excellence (CoEs), offering cutting-edge resources for students and faculty. Industries co-design academic programs and partially deliver curriculum, contributing to course content and delivering guest lectures. Internships, sponsored projects and co-teaching opportunities ensure students gain hands-on experience and make them industry-ready.

### **5. Evidence of Success**

The success is evident in the establishment of CoEs, enhanced student performance in internships and increased industry sponsorship for student projects. Collaboration has led to an increase in placements.

### **6. Problems Encountered and Resources Required**

Aligning academic delivery with industry schedules often proves difficult. Resources needed include dedicated personnel for managing industry partnerships, investments for lab and CoE development.