

Best Practices play vital role in academic success. Following are the two Best Practices in the Institute-

### **BEST PRACTISES 1:-**

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

Departmental Research Committee (DRC)

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

Each department has constituted DRC with objectives:-

- To inculcate research culture among students.
- To evaluate the phase wise development of Project work throughout the year to assess the quality & progress of the projects.
- To motivate students to develop the projects on industry real time problems, societal issues, Environmental issues, Institute and laboratory usefulness and innovative ideas.
- To inspire students for participation in project competition, paper Publications and filing patents,

#### **1. The Context**

Provide guidance to students for their project work from selection of project topic, defining objectives, methodology till implementation. DRC has been assigned responsibilities to maintain good quality of project work, motivate student for research work and assessing the progress of project work. The projects should be useful for society, laboratory and institute development, solution to industrial problem and environmental issues. Motivate students for publications in journals and participation in different technical competitions. Also encourage student for getting Patent or copyrights for their project ideas.

#### **4.The Practice**

Each department has constituted DRC, which includes HOD and 3- 4 senior faculty members, who can give more input in research work. The project batches of students are formed as per guidelines of SUK.and are expected to complete the project work in two phases (semester wise). The guide allocation to group is done as per area of specialization of the faculty. DRC approves the synopsis of project assessing the project topic by considering different factors such as uniqueness, use for society, industry real time problem, Institute and laboratory usefulness & innovative ideas. Different expert sessions of academicians and industry resource persons are organized in view of their project topic. Project progress work is assessed through Rubrics at regular intervals by conducting presentations.

Seminars, webinars are organised to guide the students for filling ideas for Patent & copyright. Good projects are selected for patenting the ideas & taking copyrights.

## **5. Evidence of Success**

As per the policy set by R& D cell of Institute, students have chosen their project in the areas addressing 56% societal use, 23% industry real time problems, 2% College development, 2% laboratory development, 15% innovative ideas, 2% current issues such as flood, COVID19 etc.

As a result the students have published project idea in 48 National & 90 International Journals. Also 04 eligible projects are registered for patent filing as well as copyright. The 24 project group participated in many technical competitions, where 06 project groups achieved 1st rank, 02 project groups achieved 2nd rank. The remarkable projects undertaken & completed successfully are Organ Transform Drone, Mask winding & disposal machine, Smart video summarization, Cotton leaf disease detection using deep learning and Municipal solid waste management.

Above all this practice helps to improve students' technical knowledge and skills such as problem solving, design and development, project management, finance, lifelong learning etc and to inculcate research attitude.

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

As the students are from rural background, it required more efforts for motivating the students for research activities. Due to rapid changes in IT tools & technologies require hard efforts to cope up with these changes.

## **BEST PRACTISES 2:-**

### **1) Title of the Practice: -**

“ Your Dream, Our Mission”...leads to holistic development of students.

### **2) Objectives of the Practice:-**

As per tagline we focus on students growth with following objectives-

- To guide students to set their goal in career in many fields as higher studies, competitive exams, campus placement, entrepreneur, etc.
- To inculcate the research & developmental activities.
- To make the students physically & mentally fit by providing necessary facilities & guidance.
- To inculcate the ethical & moral values and develop social awareness in students to make them good citizen of India.

### **3) The Context: -**

Being the institute located in rural area students come from different family backgrounds. These students need holistic support to set the goal in their career. Our aim is to build a society free from judgment & deprivation, so institute encourage the students with skills, physical & mental health. And at the same time efforts are taken to guide them to choose career path in their interested areas. Along with this, institute helps them to increase their academic performance.

#### **4) The Practice:-**

At the beginning of first year only, through induction program students get acquainted with curriculum, role of an engineer, area of working, scope and the opportunities. There onwards, as per their inclination we provide the necessary guidance through different career guidance cells. Placement cell, we organize training such as soft skill, technical training and company specific trainings. The Entrepreneurship Development Cell organizes activity to inculcate awareness by conducting lectures from industry persons & awareness camp in collaboration with District Industries Centre (DIC). Higher study and Competitive examination cell also organizes the guidance and motivating sessions. Student Associations arrange different activities. Central Student Committees are formed to organize activities like Annual social, cultural, sports, technical, NSS and to publish Annual Magazine.

#### **5) Evidence of Success:-**

Since establishment 106 students have secured Merit & Ranks in University list. More than 952+ placements offered in reputed companies with decent packages during last 05 years. In current year Mr. Aadesh Medhe & Miss. Akanksha Patil got selected in Capgemini & TCS with highest package of 7.5 & 7 Lack respectively. Till date 130+ number of Students have qualified in different competitive examinations & have secured jobs in government sector. 89 Students have pursued their higher education during last five years.

Institute team secured (11 students) runner up in National Level Inter Engineering Sports for the event kabaddi. Two students secured 3rd rank in State Karate competition. 12 students secured 2nd in Inter Zonal University Table Tennis. One student secured 2nd rank in Inter Zonal University Judo. Institute publishes Annual magazine "Verve" every year and won many prizes at university level Annual College Magazine competition.

#### **6) Problems Encountered & Resources required:-**

Some students were with low merit during admission in the institute. So their learning capacity was at low level. The number of students opting for jobs is still much more as compared to the number of empowered individuals who, with their ingenuity, will go for start-ups. This is sort of a cultural shift and it will take time to produce a sizable number of students who will opt for self-employment as well to go for higher study and competitive examinations.