

1. Title: Liaison with Industry

2. Objectives of the Practice

1. To establish long term association with Industries.
2. To bridge gap between the syllabus and industrial practices.
3. To expose the students to industrial environment through in-plant training, internships, field visits etc.
4. To establish rapport with industries for taking up projects.

3. The Context

Curriculum of the courses is not updated frequently and has constraint of newest industry trends. Hence students are taught the latest technologies covered in syllabus and beyond syllabus. Content beyond syllabus should be covered through additional expert lectures from industry resources to make students industry ready. To facilitate the teaching process of updated courses and have exposure to industry, it is required that the faculty members liaison with the industry on a regular basis. Industry in-plant training and projects with collaboration are prime focus to bridge the gap between syllabus and practical knowledge. Students can relate the class room teaching with the practical problem skills by doing projects based on industry problem statements. It is intended that the students should have an approach to related technical knowledge from laboratory to Industry. Professional chapter association benefits students to explore the world of knowledge horizon through platform of competition, workshops etc.

4. The Practice

Students are provided learning of technical subjects prescribed in syllabus with regular practical sessions to implement theoretical concepts. Expert lectures and workshops are organized for the students by the Industry representatives to prepare them with content beyond syllabus. Students are provided Value Added Programs comprising of additional lectures on personality grooming and technical subjects. Students are provided with certification programs on latest industry trends of different domains to enhance their skills and to compete with the global market which help students to strengthen their resume. Student from rural area are groomed and updated as per industry standards, to cater these need expert lectures, soft skill training and aptitude training is provided.

Every faculty visits industry once in a month with group of students. Regular industrial visits for the students are planned to give them exposure to the industrial applications and technologies. Students are connected with the industries for in-

plant training for a duration ranging from one month to one year, where the students get hands-on experience. Final year students work on the problem statements given by the industry in the form of industry sponsored projects. Institute have MoUs with core and other industries to provide benefits of technical sessions, sponsored projects and industry Visits. Professional chapters of technical societies exist in the institute which guides the students for professional development in their domain of interest. This professional chapter involve the participation of Industry experts. Pre-planned activities of technical enrichment are conducted throughout semester as per academic calendar. Short term training programs and workshops are organized to groom students for additional certifications. Institute have Centre of Excellence in association with Industry.

5. Evidence of Success

As students get practical exposure in industry, there is increase in the confidence level of the students. In last five years more than 200 students went to industries for in-plant training for a period of one year during their study. More than 1000 students undergo internships in industry and about 500 students completed industry sponsored projects. Every year students are provided with industrial visits. Till date 1000 Industrials has been visited by the 5000 students. Due to rapport with the industry leads to the increase in the mutual collaboration of the institute with the industry which has resulted in 30 MOU's signed. More than 80 faculty members got exposure to the industry due to the one faculty one industry initiative. Industry got the opportunity to share their industrial practice with the students in the form of expert lectures. Students are benefited with more than 100 technical sessions under value added program. Students get national and international certification on latest domain specific industry trends. Till date 500 students have got the advantage due to this certification. Institute have organized more than 50 workshops and also collaborated workshops with the professional entities.

Due to rich industry exposure student get opportunity to participate and win several national level competitions. Such practices at the institute help student to solve real life problem of the industry which leads to enhance their technical, management and leadership skills. All the above activities lead to the overall grooming of the students and produce more ethical engineers and professionals. All these efforts lead towards the better development of the students and thereby the placement scenario has been improved every year.

6. Problems Encountered and Resources Required

Due to infrequent syllabus revision and technological limitation in curriculum increases knowledge gap which require more efforts to meet with industry standards. Students are from rural area which required additional efforts to groom them by providing technical, soft skill and aptitude training on regular basis and make them industry ready. University Syllabus restricts number of months for

internship due to which long time internship is not possible. Institute is situated in rural area which has limited public transport and connectivity restricts students to stay back in campus for longer hours to do experiments and extracurricular activities.

In case of specific manufacturing needs during the student competition, students have to outsource the manufacturing to the industry. This creates an opportunity for the students to interact with the industry, but at the same time crucial time is lost since the academics is going on at the same time. The scope for even better interaction of the students and faculty with the industry is restricted due to the inherent examination pattern of the university, which has in-semester and end-semester examination system.