



**Subject Name: Summer Internship**

**Semester –V**

**Objective:** Two week mandatory internship is to equip the students with practical knowledge and provide them exposure to real time industrial environments. We must agree that all Branches of Diploma Engineering are changing rapidly. New technologies are adding fast which effects can be seen in our society. Summer internship is a good option by which students to get flavour of such emerging technology and familiar with industry environment to identify scope and focus of their career development opportunities. **Main objective** of summer internship is hand-on practice to expose students for thinking about professional career by observing, understanding working mechanism of ongoing work of industry and to obtain various types of skills throughout internship program.

**Credits Earned:** 1 Credits

**Course Outcomes:** After completion of this course, students will be able to

1. Get exposure to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals for the industry.
2. Get possible opportunities to learn, understand and sharpen the real time technical / managerial skills required at the job(s).
3. Gain experience in writing technical reports / projects and presentation of it.
4. Learn and gain exposure to the engineer's responsibilities and ethics.
5. Understand the social, economic and administrative considerations that influence the working environment of industrial organizations.

**Teaching and Examination Scheme**

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE	IA	CSE	Viva	Term work	
0	0	0	1	0	0	0	50	50	100

The duration of internship will be two weeks. It will be after completion of 4th Semester and before the commencement of Semester V.



**Following options can be opted by the students:**

1. Offline internship in industry - Student is supposed to produce internship letter and report once the internship is over in case of Offline internship in any industry.
2. Online internships – with organizations /institutions those are approved /supported / recommended by the All India Council of Technical Education for Internship (like Intern Shala etc)
3. A Mini Project- to be carried out on some suitable topic related to respective branch. It can be small fabrication / experimental results/ simulations/ application development / Design and / or Analysis of System(s) etc. depending on the branch of the student. Preferably a single student should carry out a mini-project.

**Report Submission and Evaluation Guidelines:**

- Student has to prepare a detailed report and submit the report to his/her college. A copy of report can be kept in the departments for record.
- Each student must be assigned a faculty as a mentor from the college and an Industry Expert as External Guide or Industry Mentor.
- The evaluation will be of 50 marks for VIVA component and 50 marks for Term Work Component. VIVA Component (50 marks) will be evaluated by the Faculty Mentor or Internal guide of the students and Term work Component (50 marks) will also be carried out by Internal Faculty ( Department/ Institute faculty).
- The presentation by student for Internship/ Mini project should in the presence of all students is desirable.
- Student should produce successful completion certificate in case of summer internship in industry.

**General Guidelines for Summer Internship**

- Step 1: Request Letter/ Email from the Institute should go to industry to allot multiple slots of 2 weeks during summer vacation as Summer Internship period for the students. Students request letter/profile/ interest areas may be submitted to industries for their willingness for providing the internship.
- Step 2: Industry will confirm the internship slots and the number of seats allocated for internships via Confirmation Letter/ Email. In case the students arrange the internship themselves the confirmation letter will be submitted by the students in the office Institute through respective department. Based on the number of slots agreed to by the Industry, institute will allocate the students to the Industry.
- Step 3: Students, after joining the Training at the concerned Industry / Organization, has to submit the Joining Report/ Letters / Email.
- Step 4: Students are undergoing for Summer Internship at the concerned Industry /



Organization. In between Faculty Member(s) has to evaluate(s) the performance of students once by visiting the Industry/Organization and Evaluation Report of the students needs to submit in department office with the consent of Industry persons/ Trainers.

Step 5: Students will submit a training report after completion of internship.

Step 6: Training Certificate to be obtained from industry.

Step 7: List of students who have completed their internship successfully will be issued/maintained by Training and Placement Cell of the Institute.

### **Evaluation Rubrics**

#### **List of Documents to be prepared for Submission:**

- Detail report duly signed and approved by the internal/external mentor
- Presentation softcopy approved by the internal/external mentor
- Soft copy of report and presentation