

Industrial Internship

Course Code	23EC3781B	Year	IV	Semester	I
Course Category	Internship	Branch	ECE	Course Type	Internship
Credits	2	L-T-P	0-0-0	Prerequisites	--
Continuous Internal Evaluation:	--	Semester End Evaluation:	50	Total Marks:	50

Course Outcomes		
Upon successful completion of the course, the student will be able to		BL
CO1	Demonstrate professional skills and work ethics with in a corporate or industrial environment.	L3
CO2	Apply theoretical knowledge gained in course work to practical, real-world industry problems.	L3
CO3	Utilize modern tools, techniques, and technologies relevant to the host organization's field of work.	L3
CO4	Analyse organizational structure, workflows, and business or engineering processes to identify opportunities for improvement.	L4
CO5	Develop problem-solving, teamwork, and project management abilities through active participation in assigned tasks .	L4
CO6	Implement comprehensive report and presentation reflecting technical achievements, learning outcomes, and professional development gained during the internship.	L3

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of Correlations (3:High, 2:Medium,1:Low)													
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
CO1	2	3	3	3	3	3	3	3	2	1	3	2	3
CO2	3	3	3	3	3	2	3	3	2	1	2	2	3
CO3	3	3	3	3	3	3	3	3	1	1	1	2	1
CO4	2	1	2	2	3	2	3	3	1	3	1	2	1
CO5	2	1	1	1	3	2	3	3	1	2	1	2	1
CO6	1	1	3	2	3	3	3	3	3	2	2	2	1
Avg.	2	2	3	2	3	3	3	3	2	2	2	2	2

Objective

The **objective of an industry internship** is to bridge the gap between academic learning and real-world work experience.

Guidelines:

- Always follow the organization's policies, timings, dress code and code of conduct.
- Be regular, arrive on time and complete assigned tasks within deadlines.
- Do not share company data, documents or any sensitive information outside the organization.
- Stay in touch with your supervisor/mentor, ask questions when needed and give regular updates.
- Show a positive attitude, respect colleagues and behave responsibly in the workplace.
- Take your tasks seriously and try to learn while doing them rather than just finishing them.
- Keep a daily log or report of the work you do during the internship.

- Adhere to safety rules, especially in labs, factories or technical environments.
- Ask for feedback from your mentor to improve your performance and skills.
- Prepare and submit an internship report or presentation as required by your college.

Implementation:

- Coordinator is appointed who is responsible for planning, scheduling and execution of all the activities related to the student internship.
- Internship presentation is taken at the end of semester in the presence of panel and students have to meet the concerned supervisor regularly
- Students are guided to take up internship related to state of art, industry relevant, hardware and latest software areas
- Internships are based on mathematical modeling through simulation to analyze the operation and performance in core and multidisciplinary areas
- The hardware prototyping through various building blocks are carried out in the respective laboratories/industry

Impact Analysis:

- Internships help students apply classroom theories to real-world problems, improving their understanding of engineering concepts.
- Students develop technical skills (tools, programming and design) and soft skills (communication, teamwork, leadership).
- Internships expose students to different roles and industries, helping them choose the right career path.
- Having internship experience makes students more attractive to employers and improves job opportunities.
- Students learn about company work culture, project management, deadlines and professional ethics.
- Internships allow students to connect with professionals, which can help in future placements or references.
- Working in a real environment increases confidence in handling responsibilities and solving problems.
- Internship experience adds value to resumes and gives students an advantage during campus placements.
- Exposure to real challenges encourages students to think creatively and develop innovative solutions.
- Students learn the skills and attitudes as per the company's expectation, that helps them to prepare for better jobs.