



SECOND -YEAR DIPLOMA COMPUTER ENGINEERING SYLLABUS

Semester: 3rd

Course Code(Th):002204312

Type of Course:SI-1

Course Name: Summer Internship - I

Course Prerequisites:

COURSE OBJECTIVE(S):

Idea of Embedded Internships- AICTE has made 7-10 weeks summer internships mandatory in the new curriculum which will equip the students with practical understanding and training about industry practices in a suitable industry or organization. To make education holistic, sports, physical activities, values and ethics have been embedded in the curriculum.

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.

Further, in these internships, the option is provided to do internship in Government Agencies/ skill centers/ social sector/ Govt. initiated social schemes/ NGOs etc. The duration of internship will be two weeks. It will be after completion of 2nd Semester and before the commencement of Semester 3rd.

TEACHING & EXAMINATION SCHEME:

Teaching Scheme (Hrs/Week)				Examination Scheme					
Theory	Tutorial	Practical	Credit	SEE		CA			Total
				Th	Pr	MSE	PLE	LA	
0	0	2	1	00	25	00	00	25	50

The practical exercises, the underpinning knowledge and the relevant soft skills associated with the identified competency are to be developed in the student for the achievement of the following COs:

- Learn and adopt the engineer's role and responsibilities with ethics.
- Get exposure to the industrial environment for professional activities.
- Get possible opportunities to learn, understand and sharpen the technical skills required for technical advancement.
- Develop managerial skills required for professional career.
- Attain skill for writing technical report and prepare poster for presentation.

SUGGESTED LIST OF EXERCISES (During tutorial hours)



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1.Offline internship in industry: CA will be carried out based on submitted progress card by Industry resource person and ESE / Assessment will be carried out by institute resources person.

2. Online internships: CA will be carried out based on submitted certificate and ESE/ Assessment will be carried out by institute resources person.

3.A Mini Project: CA will be carried out based on project work by institute resources person.

Legends: L-Lecture; T – Tutorial/Teacher Guided Theory Practice; P -Practical; C – Credit,
CA-Continuous Assessment; ESE -End Semester Examination.

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
- Poster of summer internship activities approved by the internal/external mentor.

Sample forms for Registration and Evaluation of Summer Internship-I –SI-I are given below:

1. Both forms are mandatory to be filled at the commencement and completion of SI respectively.
2. It is mandatory to file and map SI-I Registration and Evaluation with respective forms of SI-II (Later in Semester 5) so that students get enough exposure of industry / technology. (Mapping doesn't mean same industry/ company/ project-it can be independent/ different also.)
3. Mapping will be done to ease CA and ESE Evaluations.
4. A Seminar / Webinar can be arranged so that students coming from different industry / institute / project background can share experiences and learnings to their peers / all students of the same department.
5. Attached formats for Registration, Completion and Evaluation are suggestive. But, adhering to these formats is anticipated.



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SummerInternship-IregistrationForm

Note:Studentsneedstosubmitthisregistrationformafterfinalizingmodeofinternship.

StudentDetails												
EnrollmentNumber												
StudentName												
StudentDetails	MobileNumber:											
	EmailAddress:											
Branch												
CodeoftheInstitute	NameoftheInstitute											
MentorDetails(Institute)	Name:											
	Designation:											
	MobileNo:											
	EmailAddress:											
IndustryDetails	Name:											
	Address:											
	Email:											
	Phone:											
	Website:											
MentorDetails(Industry)	Name:											
	Designation:											
	MobileNo:											
	EmailAddress											
ModeofInternshipCarried Out	Online/Offline/MiniProject											
Title of the Project/Internshipcarriedout												



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Nature of Work Carried Out	Web Design/Application development (Web/Mobile), Experimental results/simulations/ Analysis of System(s) etc...
	Other please Specify _____

Student Signature

Faculty Signature

Summer Internship-I-Suggested Letter for Completion

[Company or Institute letterhead]

No:

Date : / /

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, Mr. /Mrs.

Enrollment No. _____ Student of

Has successfully completed a two-week Internship in the field of

From the date: _____ to date: _____.

[90% Attendance is mandatory for completion of Internship]

During the period of his/her summer internship program with us, He / She were exposed to following different processes and were found sincere and hardworking.

1. _____
2. _____
3. _____
4. _____



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MentorSignature

HeadofDepartment

Stamp

Stamp

SummerInternship-I-EvaluationRubricsforInstitute
EvaluationRubrics(Institute)

EnrollmentNo: _____ Branch: _____

NameoftheStudents: _____

DateofEvaluation: _____

Internal Evaluation– 25MarksPA(I) (TobecarrriedoutbythementorinconsultationwithIndustry)MinimumPassingMarks:13					
Parameter	Excellent	Good	Average	Not up the level of Satisfaction	Obtained Marks
Markrange	4-5	3-4	2-3	Below2	
Knowledge acquisition in specificdomain. 5marks					
Skill and attitude attainment in specificdomain. 5marks					
Feedback and suggestions given areincorporated? 5marks					
Qualityofthe prepared reportandposter. 5marks					
Qualityofthepresentation. 5marks					
TotalMarksObtainedOutof25 PA(I)					

Signature: _____

InstituteResourceExaminerName:



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Suggested Evaluation Rubrics for Industry

Evaluation Rubrics (Industry)

Enrollment No: _____ Branch: _____

Name of the Students: _____

Date of Evaluation: _____

External Evaluation – 25 Marks ESE (V) (To be carried out by the Industry Supervisor) Minimum Passing Marks: 13					
Parameter	Excellent	Good	Average	Not up to the level of Satisfaction	Obtained Marks
Mark range	4-5	3-4	2-3	Below 2	
Student regularity during the Internship period and proactiveness/responsiveness towards the given tasks (5 Marks)					
Work Plan, Execution and quality of work in forms of Outcome achieved (5 Marks)					
Engineering Tools and Techniques (5 Marks)					
Quality of poster design and presentation (5 Marks)					
Quality of the report and Skill (5 Marks)					
Total Marks Obtained Out of 25 ESE (V)					



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Signature: _____ IndusrttyResource/ExaminerName:

CommonNote:

- 1) ForSummerInternship/Projects/Seminaretc.Evaluationisbasedonworkdone,qualityofreport,per
formanceinviva-voce, presentation etc.The internal/
externalassessmentisbasedonthestudent'sperformanceinviva-voce /workrecordrespectively.
- 2) IncaseIndustrySupervisorisnotavailable/InstituteMentor/Facultycanfill upboth.

5. AFFECTIVEDOMAINOUTCOMES

The following affective Domain Outcomes (ADOs) are embedded in many of the above mentionedCOs.Morecouldbeadded to fulfill thedevelopment of this coursecompetency.

- a) Workasaleader/ateammemberasroleofEngineer.
- b) Practice environmentally friendly
methods and
processes.Followsafetyprecautionsandethical
practices.

6. AFFECTIVEDOMAINOUTCOMES

The following affective Domain Outcomes (ADOs) are embedded in many of the above mentionedCOs.Morecouldbeadded to fulfill thedevelopment of this coursecompetency.

- c) Workasaleader/ateammemberasroleofEngineer.



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- d) Practice environmentally friendly methods and processes. Follows safety precautions and ethical practices.

7. SUGGESTED STUDENT ACTIVITIES

Following are the suggested student-related curricular, **co-curricular** activities which can be undertaken to accelerate the attainment of the various outcomes in this course: Students should perform following activities and prepare reports and give presentation in front of students and faculty members. They should also collect/record physical evidences for their (student's) portfolio which may be useful for their placement interviews:

- Perform various tasks given by industry resource person during offline internship.
- Perform various tasks given during online internship.
- Perform various tasks required to complete mini project work under guidance of faculty member.
- Summer Internship program: Interns are required to give a presentation before review committee consisting of a group of academic staff members.
- The review committee gives feedback and suggests possible improvements in the work.
- At the end of the program all the Summer Internship program Interns make a poster presentation of the work carried out. The poster presentation is open to the public. It is also evaluated by faculty members.
- A completion certificate will be issued to all Summer Internship program Interns only after the completion of internship tenure.

8. AFFECTIVE DOMAIN OUTCOMES

The following affective Domain Outcomes (ADOs) are embedded in many of the above mentioned COs. More could be added to fulfill the development of this course competency.

- Work as a leader / a team member as a role of Engineer.
- Practice environmentally friendly methods and processes. Follows safety precautions and ethical practices.

9. SUGGESTED STUDENT ACTIVITIES

Following are the suggested student-related curricular, **co-curricular** activities which can be undertaken to accelerate the attainment of the various outcomes in this course: Students should perform following activities and prepare reports and give presentation in front of students and faculty members. They should also collect/record physical evidences for their (student's) portfolio which may be useful for their placement interviews:

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- m) At the end of the program all the Summer Internship program Interns make a poster presentation of the work carried out. The poster presentation is open to the public. It is also evaluated by faculty members.
- n) A completion certificate will be issued to all Summer Internship program Interns only after the completion of internship tenure.

10. SOFTWARE/LEARNING WEBSITES

An internship is a short term work program usually offered to students by companies and institutes who require staff for assistance at junior levels. Thus for the students undergoing internship a professional learning experience is provided to benefit them in their skills as well as career. It will brush existing skills and provide exposure to new skills. Generally it is provided at entry level in the industry.

Here is a suggestive list for reference only.

- <https://www.internshala.com>
- <https://swayam.gov.in>
- <https://nptel.ac.in/>
- <https://neat.aicte-india.org/>
- <https://www.edx.org/>
- <https://www.coursera.org/>
- <https://www.udemy.com/>
- <https://www.linkedin.com>
- <https://www.stumags.com>
- <https://www.letsintern.com>
- <https://www.internship.com>
- <https://www.glassdoor.com>

COURSE OUTCOMES: (Limited it to 4 to 6)

The practical exercises, the underpinning knowledge and the relevant soft skills associated with this competency are to be developed in the student to display the following COs:

Sr. No.	CO Statement
CO-1	Learn and adopt the engineer's role and responsibilities with ethics.
CO-2	Get exposure to the industrial environment for professional activities.
CO-3	Get possible opportunities to learn understand and sharpen the technical skills required for technical advancement.
CO-4	Develop managerial skills required for professional career.
CO-5	Attain skill for writing technical report and prepare poster for presentation.