

Savitribai Phule Pune University Third Year of Artificial Intelligence and Data Science (2019 Course) 317535: Internship		
Teaching Scheme:	Credit	Examination Scheme:
**	04	Term Work (TW): 50 Marks Oral(OR): 50 Marks
Course Objectives: <ul style="list-style-type: none"> To provide the work experience that can help students to put their education into practice. To encourage and provide opportunities for students to get professional experience through internships. To learn and apply knowledge gained through academics to real life/industrial situations. To get familiar with various technologies and tools used in industries for development of their applications. To inculcate professional and societal ethics. To create awareness of social, economic and administrative considerations in the working environment of industry organizations. 		
Course Outcomes: On completion of the course, learners should be able to CO1: To demonstrate professional competence through industry internship. CO2: To apply knowledge gained through academics to a professional environment during internship. CO3: To select appropriate technology and tools to solve a given real time problem. CO4: To demonstrate abilities of a responsible professional and use ethical practices in day today life. CO5: To create professional and social network and develop relationships with industry people and get exposure to future employers. CO6: To explore various career opportunities in different domains and decide career goals.		
Guidelines :		
<p>Internships are skill development, making students aware about the industrial environment, professional ethics, and career development opportunities. Students with well-identified internship goals make better utilization of practical experience in a field/broad area chosen.</p> <p>The well-skilled and properly groomed interns are always in demand for industries/organizations. Industrial internships are like learning in the supervised mode and shaping one's career with pre identified goals. It's an important aspect as employers are looking for employees who are skilled and aware of the industry environment, practices, procedures, and culture. The intern will focus on a particular task or part of the project concisely as it is structured, short-term, and supervised.</p> <p>The engineering undergraduate can be exposed to the procedures and practices followed in the industry through the traditional teaching-learning process but it is always restricted by the simulation horizons so it is being placed on the actual background to gear up the skills. An opportunity, of engineering internships, will help interns to gear up and affirm conceptual learning in academics.</p>		
Duration		
Internship is to be completed after semester 5 and before commencement of semester 6 of at least 4 to 6 weeks; and it is to be assessed and evaluated in semester 6.		
Internship Work Identification		
The student may choose to undergo an Internship in Industry/Government		

Organizations/NGO/MSME/Rural Internship/ Innovation/IPR/Entrepreneurship. The student may choose either to work on innovation or entrepreneurial activities resulting in start-up or undergo internships with industry/NGO's/Government organizations/Micro/Small/ Medium enterprises to make themselves ready for the industry[1].

Students must register at Internshala[2]. Students must get Internship proposals sanctioned by the college authorities well in advance. The internship work identification process should be initiated in the semester-5 in coordination with the training and placement cell/ industry-institute cell/ internship cell. This will help students to start their internship work on time. Internship is to be completed after semester-5 and before commencement of semester-6 of at least 4 to 6 weeks and it is to be assessed and evaluated in semester-6.

Students can take internship work in the form of the following but not limited to:

- Working for a consultancy/ research project
- Contribution in Incubation/ Innovation/ Entrepreneurship Cell/ Institutional Innovation
- Council/ startups cells of institute
- Learning at the Departmental Lab/Tinkering Lab/ Institutional workshop,
- Development of new product/ Business Plan/ registration of start-up
- Industry / Government Organization Internship
- Internship through Internshala
- In-house product development, intercollegiate, inter-department research internship under research lab/group, micro/small/medium enterprise/online internship
- Research internship under professors, IISC, IIT's, Research organizations
- NGOs or Social Internships, rural internships
- Participate in open source development.

Internship Diary/Internship Workbook

Students must maintain an Internship Diary/ Internship Workbook. The main purpose of maintaining a diary/workbook is to cultivate the habit of documenting. The students should record in the daily training diary the day-to-day account of the observations, impressions, information gathered, and suggestions given if any. The training diary/workbook should be signed every day by the supervisor.

Internship Diary/workbook and Internship Report should be submitted by the students along with attendance record and an evaluation sheet duly signed and stamped by the industry supervisor to the Institute immediately after the completion of the training.

Internship Work Evaluation

Every student needs to prepare and maintain the documents with valid evidence of the activities done by him/her in the form of an internship diary or an internship workbook. The evaluation of these activities will be carried out by the Programme Head/Internship In-charge/Project Head/ Faculty mentor or Industry supervisor based on a satisfactory compilation of internship activities /sub-activities, effective practical work, domain knowledge, well understanding of concepts, the level of achievement expected, the evidence needed to assign the points and the duration for certain activities. Assessment and evaluation are to be done in consultation with the internship supervisor (Internal and External supervisors from the place of internship)

Recommended evaluation parameters:

Post Internship, Internal Evaluation Term work (Internship Diary/Workbook and Internship Report) - 50 Marks and Oral/Seminar Presentation – 50 Marks

Evaluation through seminar presentation at the Institute

The student will give a seminar based on his internship report/workbook before the panel of experts

constituted by the concerned department as per the norms of the institute.

The evaluation will be based on the following criteria:

- Domain knowledge and skill
- Presentation/communication skill
- Teamwork
- Innovation/Creativity
- Planning & Organizational skills
- Adaptability
- Analytical Skills
- Attitude & Behavior at work
- Societal Understanding
- Ethics
- Regularity and punctuality
- Attendance record
- Diary/Workbook
- Student's Feedback from External Internship Supervisor

After completion of the Internship, the student should prepare a comprehensive report that includes what he/she has observed, monitored and learnt during the training period.

The internship Diary/workbook may be evaluated on the basis of following parameters:

- Proper and timely documented entries
- Time to time maintaining the internship diary
- Adequacy & quality of information recorded
- Relevant information gathered and analyzed
- Thought process and recording tools and techniques used
- Structuring the information

Internship Report

The report shall be prepared and presented covering the following recommended fields but limited to,

- Title/Cover Page
- Internship completion certificate
- Internship Place Details- Company background-organization and activities/Scope and object of the study / Supervisor details
- Index/Table of Contents
- Introduction
- Title/Problem statement/objectives
- Motivation/Scope and rationale of the study
- Methodological details (tools and techniques used)
- Results / Analysis /Inferences
- Conclusion and future scope
- Suggestions / Recommendations for improvement to industry (if any)
- Attendance Record
- Acknowledgement
- List of references (Library books, magazines, web references and other sources)

Feedback from internship supervisor(External and Internal)

After completion of internship, the faculty coordinator should collect feedback about the student with the following recommended parameters :

Technical knowledge gained through internship, Discipline, Sincerity and Punctuality, Commitment, Willingness to do the work, Individual work, Team work, Leadership, Verbal and written communication skills.

Reference:

[1] <https://www.aicte-india.org/sites/default/files/AICTE%20Internship%20Policy.pdf>[2] <https://internship.aicte-india.org/>

@The CO-PO Mapping table

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	3	1	1	1	1	2	1	1
CO2	1	2	2	2	3	2	1	1	1	2	2	1
CO3	-	-	-	-	-	1	-	-	2	2	1	1
CO4	2	-	-	-	-	2	2	3	-	1	-	2
CO5	-	-	-	-	-	1	2	1	1	1	2	1
CO6	-	-	-	-	-	1	-	-	2	1	-	1