

**ATRIA INSTITUTE OF TECHNOLOGY**

**BENGALURU- 560 024**



*Student Internship  
Policy*

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## Introduction

Industry Internship is an integral part of the academic curricula. Its satisfactory completion is a mandatory requirement for the degree to be awarded by the College. Further, considering the curriculum structure approved by the college, multiple internships modes are possible, and are assigned academic credits within the curricula. The general structure of the internship requires the students to undertake an immersive assignment within the assigned organizations for a limited period. The internship offers the students an opportunity to gain hands-on industrial or organizational exposure; to integrate the knowledge and skills acquired through the coursework; interact with professionals and other interns; and to improve their presentation, writing, and communication skills. Internship often acts as a gateway for final placement for many students.

The internship will benefit students by getting real time industry experience and exposures, exploring the career opportunities, add values, skills, and experience to their CV and learn company culture.

## Objectives

Internships are educational and career development opportunities, providing practical experience in a field or discipline. They are structured, short-term, supervised placements often focused around particular tasks or projects with defined timescales. An internship may be compensated, non-compensated or some time may be paid. The internship has to be meaningful and mutually beneficial to the intern and the organization.

Following are the intended objectives:

- To expose the students to industrial environment ( viz. various materials, processes, products and their applications along with relevant aspects of quality control which cannot be simulated in the classroom) for application of existing engineering knowledge in industrial situations
- To provide possible opportunities to learn and sharpen the real time technical and managerial skills required for professional career
- Understand the social, environmental, economic and administrative considerations that influence the working environment [PO 6, 7]
- To expose students to the engineer's responsibilities and ethics [PO 8]
- To get acquainted with the working styles of industries at different hierarchy and learn to work in a team [PO 9]
- To gain experience in all types of professional communications ( viz. pre- internship applications, during internships people skills and documentation skills and post internship reports/projects writing skills ) [PO 10]
- To demonstrate the impact of the internship on their lifelong learning and professional development [PO 12]

- To provide the linkages of future job/research opportunities to students in the organization [PO 12]

### **Mode of Execution**

Internship may be done through following verticals through offline /online mode

- i. Full time Industry Internship cum project
- ii. Full time research internship at research organization/ Indian University/ Foreign University
- iii. Short duration (4-8 weeks) internship in industry with in house project
- iv. Internship accounted through incubation centre (Project Prototype through entrepreneur development and start-up)

Students may be allowed to change mode of execution in certain unavoidable circumstances. Department head shall take decision for change of mode on application by student with a valid reason with due permission of the director. List of such a students shall be submitted to the academic council for the information.

In certain specific cases wherein student is not able to register for internship through

any of the above four modes, he/she shall apply to the director through Dean Alumni and Corporate Relations (ACR) giving specific reason to arrange for alternate mode.

#### ***i. Full time Industry Internship cum project***

Under this category, Execution methodology expects that students should work with respective industrial domains of Engineering. Students will be working on a problem identified and assigned by industry. This Problem will be treated as Problem statement of Academic Project for 7th and 8th semester. Departmental faculty will work as a guide/ supervisor in coordination with industry mentor to arrive at a feasible solution to problem assigned by industry within 7th and 8th semester of Engineering curriculum.

For this activity, time spent by student for collaborating with industry either in discussion (preapproved with prior appointments) OR Joining activity at location of industry OR periodical visits related to data collection will be treated as Industrial Internship activity. In this category no special provision is made to define specific period of 8th semester dedicated for Internship. However, project guide and industry mentor to prepare a mutual schedule of student interaction with industry throughout the project duration. The schedule to be strictly followed as a part of assessment mechanism. Table 1.1 represents the flow of activity to be followed under this category.

**Table 1.1 Steps and timeline to be followed as a guideline for category I**

#	Description of Activity	Responsibility	Timeline
1	Identification of industrial Problem for Project	Faculty / Students	Vacation between 6 <sup>th</sup> and 7 <sup>th</sup> semester
1.1	If faculty identify problem then necessary communication with Industry mentor and identify group of students/ single student	faculty	Vacation between 6 <sup>th</sup> and 7 <sup>th</sup> semester
1.2	If student identify problem then necessary communication with domain expert faculty and then step 1.1 follows	Student	Vacation between 6 <sup>th</sup> and 7 <sup>th</sup> semester
2.	Joint letter of understanding between Institute and Industry	Faculty and Industry Mentor	At 1 <sup>st</sup> week of 7 <sup>th</sup> semester
3	Final Objective, methodology and schedule of interaction presentation in front of project monitoring committee at Department.	Students, Faculty and departmental Internship Coordinator	At 3rd week of 7 <sup>th</sup> semester
4	Students to start adhering to schedule of interaction with necessary weekly reporting during Project hours of academic schedule*	Students	Throughout the 7 <sup>th</sup> and 8 <sup>th</sup> semester asper predefined schedule
5	Changes in schedule and work methodology to be agreed and signed off mutually between Faculty and industry mentor.	Students, Faculty and Industry mentor	Special circumstances during execution
6	Interim Progress report and presentation to project Monitoring committee	Students, Faculty, Departmental Internship Coordinator	Within last week of 7 <sup>th</sup> semester
7	Project will continue during vacation at Industry location for Minimum 1 week and necessary Project offs are allowed with prior permission on paper	Students, Faculty and Industry mentor	During vacations between 7th and 8th semester

8	Project and Industrial internship will resume as per guidelines 4 and 5		8th semester
9	Final report and presentation to Project Monitoring committee	Students, Faculty, Departmental Internship Coordinator	Within Last week of 8th semester

Students and faculties to maintain all documentary records as per monitoring, assessment protocol of Internship policy documents

Category II: Full time research internship at research organization/ Indian University/ Foreign University

Under This Category, research project undertaken by research organization Or Internship Opportunities available at Organizations recommended by AICTE in Internship Policy at India or abroad will be executed by students. Students need to adhere to guidelines set by respective organization for conduct of research activity during span of project.

Faculty mentor from respective department will be monitoring student's progress periodically.

**Table 1.2 Steps and timeline to be followed as a guideline for category II**

#	Description of Activity	Responsibility	Timeline
1	Advertisements issued by research organizations for research activity or Internship for UG students	Faculty /Students	Prevailing period of advertisement in 6 <sup>th</sup> and 7 <sup>th</sup> semester
2.	Scrutiny of Students and support to students for application procedure	Faculty and Dean research/internship coordinator	Before last date of application available in advertisement

3	Faculty mentor to coordinate with parents of identified students and prepare necessary documents	Students, Faculty and departmental Project/ Internship Coordinator	Before last date of application available in advertisement
4	Faculty mentor to Interact with representative of research organization	Faculty	After selection of students for Research/ Internship program
5	Students to report weekly to faculty mentor about progress of Research activity/ Internship activity	Students, Faculty	Throughout tenure of Program
6	Interim Progress report and presentation to project Monitoring committee	Students, Faculty, Departmental Internship Coordinator	Within last week of 7th semester
7	Final report and presentation to Project Monitoring committee	Students, Faculty, Departmental Internship Coordinator	Within Last week of 8th semester

If Research/ Internship tenure is more than 6 months/ spanned between last academic year of B. tech and students are required to stay at location allotted by Research organisation then student should appear for Institute examination with prior permissions taken from Research/ Internship Organisation during 7th and 8th semester as per documentation signed by Students to adhere to protocol of academics defined for prevailing circumstances.

Category III: Short duration (4-8 weeks) internship in industry with in house project

Under This category, Academic Project and Internship will be treated as separate entity. Students will perform academic project issued by departmental faculties. Tenure of this project will be for 7th and 8th semester. Internship activity will be commenced from ESE of 7th semester for minimum period of 4 to 8 weeks. This internship should be preferably aligned with Project activities and domain area.

**Table 1.3 Steps and timeline to be followed as a guideline for category III**

<b>#</b>	<b>Description of Activity</b>	<b>Responsibility</b>	<b>Timeline</b>
1	Project coordinator to collect Broad area of academic Project from departmental faculty	Project Coordinator	Before end of 6 <sup>th</sup> semester
2.	Academic Project areas presented by faculty to be aligned with Industrial Problems	Departmental Faculty	Before end of 6 <sup>th</sup> semester
3	List of Faculty and Domain of project to be made available for students	Project Coordinator	During Vacation Period between 6 <sup>th</sup> and 7 <sup>th</sup> semester
4	Students to approach Faculties and finalise their project groups and area of Project by discussion with faculty	Students and Faculty	During Vacation Period of 6 <sup>th</sup> and 7 <sup>th</sup> semester
5	Project guide will start identifying Industrial organisations for Internship of respective students aligned with project domain area	Project Guide	Before end of 7 <sup>th</sup> semester
6	Internship coordinator to assist project guide for finalising organisation for Internship of respective students and keep records of the same	Internship Coordinator	Before end of 7 <sup>th</sup> semester



7	Necessary documentation will be maintained by Internship Coordinator through project Guides as per Internship Policy of Institute.	Internship Coordinator	Before end of 7 <sup>th</sup> semester
8	Students will start internship after end of 7th semester examination for minimum period of 8 weeks	Students	after end of 7th semester examination
9	Project Guide to monitor student's performance by Interacting with Internship on-site mentor Or by surprise visit at Internship location	Project Guide	During tenure of Internship with Minimum two communications
10	Report and Presentation	Students, Project guide and Internship Coordinator	After end of internship

Assessment of internship will be done as per Institute Internship Policy.

Category IV: Internship accounted through incubation centre (Project Prototype through entrepreneur development and start-up)

Mode of execution under this category is governed by rules and regulations of ED cell.

#### ***4. Internship Duration***

The internship is mandatory as a part of the curriculum. Students will not graduate unless they complete the internship as prescribed. The structure and durations of the Internship may vary, it is normal for a minimum duration to be at least four weeks during the final semester of B. Tech. program. Typically, internships will start in second semester of final year around January every year and the durations range between four to twenty weeks. In case the duration of an internship needs to be extended, it would be necessary for the student to obtain a prior written approval from the college.

#### ***5. Roles and Responsibilities***

The organizational structure of Training and placement cell for internship is as follows:



Training and Placement Officer of the college will be supported by a Departmental internship coordinator for Training and Placement Activities and Faculty Supervisors/ Mentors designated/assigned by the Head of the concerned Department. Each department will have a student's committee comprising of 1-3 students from each class for supporting Training and Placement activities headed by Student Coordinator. Departmental coordinator and Faculty Supervisors/Mentors will be nominated at the start of the Academic year for each batch. However, student coordinator being the representative of students will be selected by the students with the help of Training and Placement Officer. Faculty Mentor/Supervisors have to play active role during the internship and minimum 4 students are to be supervised by each faculty mentor.

#### ***Internship Execution Procedure***

The T&P cell will arrange internship for students in industries/organization after seventh semester or as per AICTE/ DTE/ affiliating University guidelines.

The following general procedure shall be adopted for execution of internship:

Step 1: Request Letter/ Email from the office of Training & Placement cell of the institute shall be sent to the industry to allot different slots of 4-20 weeks during 8th semester as internship periods for the students. Students request letter/profile/ interest areas will be submitted to industries for their willingness for providing the training. (Sample attached)

Step 2: Industry will confirm the training slots and the number of seats allocated for internships via Confirmation Letter/ Email. The industry will be requested to allot mentor/supervisor for communication between supervisor and students. In case the students arrange the training

themselves the confirmation letter will be submitted by the students to the office of the Training & Placement through concerned department. Based on the number of slots agreed by the Industry, Dean ACR will allocate the students to the concerned industry. In addition, the internship slots may be conveyed through Telephonic or Written Communication (by Fax, Email, etc.) by the Dean (Alumni and Corporate Relations) or other members of the T&P cell / Faculty members who are particularly looking after the Internship of the students.

Step 3: Students on joining Training at the concerned Industry / Organization, will submit the Joining Report/Letters / Email to the Dean ACR and Head of Department.

Step 4: Students will undergo internship at the concerned Industry / Organization. The mentor/supervisor shall evaluate the performance of students once/twice by visiting the Industry/Organization or through video conferencing and Evaluation Report of the students will be submitted to the Head of Department through Internship Coordinator. Head of the Department shall forward these report to ACR with the consent of Industry persons/Trainers.(Sample Attached)

Step 5: Students will submit internship report in the format provided by the institute after completion of internship along with certificate obtained from the industry.

Step 6: List of students who have completed their internship successfully will be issued by ACR to the office of concern department.

### ***Guidelines for students***

All the students need to go for internship for minimum of 4 weeks.

Students can take mini projects, assignments, case studies by discussing it with concerned authority from industry and can work on it during internship.

All students should compulsorily follow the rules and regulations as laid by industry.

Every student should take prior permissions from concerned industrial authority if they want to use any drawings, photographs or any other document from industry.

Student should follow all ethical practices and SOP of industry.

Students have to take necessary health and safety precautions as laid by the industry.

Student should contact his /her academic guide from college on weekly basis to communicate the progress.

Each student has to prepare internship report in consultation with the academic guide.

## ***General Internships Recommendations***

An internship is a great opportunity to learn in industrial environment without being an employee of the company. Students are advised to set their goals prior to starting their internship and focus on completing them during the internship.

If a student joins a very large organization to do an internship, he must use the opportunity to learn about the activities performed in the various departments by doing short stints in each of them. This experience will help provide him the

big-picture in better understanding the career prospects in relation to his ambitions.

Attitude and mind-set play a great role in the learning process. Do tackle all tasks given with enthusiasm and positive attitude.

Interns must avoid negativity and never ignore a chance offered to them to learn more about a concept, technology, industry or company.

Interns must be inquisitive and try to gain maximum knowledge and exposure.

Interns shall identify a good mentor within the company and take initiative to execute new projects where one can make a difference to the company.

Interns should enjoy during the internship and leave with tangible accomplishments.

The intern will maintain a regular internship schedule determined by the Intern and his/her Project Head.

Interns shall view an internship as a bridge between college and the workplace. Do use for their full advantage while undergoing internship: - The intern must demonstrate honesty, punctuality and a willingness to learn during the internship program.

The intern will obey the policies, rules and regulations of the Company and comply with the Company's business practices and procedures.

### **Student's Diary/ Daily Log**

The main purpose of writing daily diary is to cultivate the habit of documenting and to encourage the students to search for details. It develops the students' thought process and reasoning abilities. 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. It should contain the sketches & drawings related to the observations made by the students. The daily training diary should be signed after every day by the supervisor/ in charge of the section where the student has been working. The diary should also be shown to the Faculty Mentor visiting the industry from time to time and got ratified on the day of his visit. Student's Diary and Internship Report should be submitted by the students along with attendance record and an evaluation sheet

duly signed and stamped by the industry to the Institute immediately after the completion of the training. It will be evaluated on the basis of the following criteria:

- Regularity in maintenance of the diary.
- Adequacy & quality of information recorded.
- Drawings, sketches and data recorded.
- Thought process and recording techniques used.
- Organization of the information.

### ***Internship Report***

After completion of Internship, the student should prepare a comprehensive report to indicate what he has observed and learnt in the training period. The student may contact Industrial Supervisor/ Faculty Mentor/TPO for assigning special topics and problems and should prepare the final report on the assigned topics. Daily diary will also help to a great extent in writing the industrial report since much of the information has already been incorporated by the student into the daily diary. The training report should be signed by the Internship Supervisor, Dean ACR and Faculty Mentor. The Internship report will be evaluated on the basis of following criteria:

- i. Originality.
- ii. Adequacy and purposeful write-up.
- iii. Organization, format, drawings, sketches, style, language etc.
- iv. Variety and relevance of learning experience.
- v. Practical applications, relationships with basic theory and concepts taught in the course.

### ***Health, Safety and Welfare of Students***

T & P cell will ensure insurance of all the students when any intern is undergoing training in a specific notified area such as mining industry in relation to the health and safety of the trainees as if they are persons employed in the same.

Also considering guidelines of the industry, T & P cell will instruct students to get insurance.