

INTERNSHIP

Diploma in Computer Engineering

Submitted by

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2023-2025

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INTERNSHIP

STUDENT'S DIARY/ DAILY LOG

Name of the Student: MUHAMMED RAISHAN K S

Register No: 2201132307

Department: COMPUTER ENGINEERING

Batch: 2023 to 2025

EXAMINER-1

Name of the Examiner:

Designation:

Signature:

EXAMINER-2 (If

Available)

Name of the Examiner:

Designation:

Signature:

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, TPO and Faculty Mentor. The Internship report will be evaluated on the basis of following criteria:

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

INTERNSHIP & ITS IMPORTANCE

INTRODUCTION

The rise in global competition has prompted organizations to devise strategies to have a talented and innovative workforce to gain a competitive edge. Developing an internship policy is an impactful strategy for creating a future talent pool for the industry. The Internship program not only helps fresh pass-outs in gaining professional know-how but also benefits, corporate on fresh perspectives on business issues and even discovering future business leaders.

The interaction of Technical Institutions with the industries has been restricted to the level of faculty communications and 2 to 4 hour industrial visits by the students generally. The institutions are under a great stress to renew education offered by them, to be as close as possible to the industrial requirement and expectations. Competition in the job sector is rising exponentially and securing entry-level jobs is getting very difficult, as the students passing out from technical institutions lack the experience and skills required by industry. AICTE has initiated various activities for promoting industrial internship at the graduate level in technical institutes. The main aim of these initiatives is enhancement of the employability skills of the students passing out from Technical Institutions. AICTE has prepared a model curriculum with the help of prominent academicians of the country so that the country may produce competent employable graduates as per the needs of the industries. The model curriculum includes the internship for students of six months' duration at different stages of the programme.

Keeping this in view, AICTE has developed this Model Internship Guidelines for organizing Internship at degree and diploma level. These guidelines comprise of Steps for Establishing, Maintaining & Fostering Internships. AICTE's has developed with various Ministries, Government/ Non-Government/ Private organizations to facilitate internship have also been included.

The internship experience will augment outcome based learning process and inculcate various attributes in a student in line with the graduate attributes defined by the NBA.

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. It is important that the objectives and the activities of the internship program are clearly defined and understood. Following are the intended objectives of internship training:

- Will expose Technical students to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals for the industry.
- Provide possible opportunities to learn understand and sharpen the real time technical / managerial skills required at the job.
- Exposure to the current technological developments relevant to the subject area of training.
- Experience gained from the 'Industrial Internship' in classroom will be used in classroom discussions.
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real industrial situations.
- Gain experience in writing Technical reports/projects.
- Expose students to the engineer's responsibilities and ethics.
- Familiarize with various materials, processes, products and their applications along with relevant aspects of quality control.
- Promote academic, professional and/or personal development.
- Expose the students to future employers.
- Understand the social, economic and administrative considerations that influence the working environment of industrial organizations
- Understand the psychology of the workers and their habits, attitudes and approach to problem solving.

BENEFITS OF INTERNSHIP

Benefits to the Industry

- Availability of ready to contribute candidates for employment.
- Year round source of highly motivated pre-professionals.
- Students bring new perspectives to problem solving.
- Visibility of the organization is increased on campus.
- Quality candidate's availability for temporary or seasonal positions and projects.
- Freedom for industrial staff to pursue more creative projects.
- Availability of flexible, cost-effective work force not requiring a long-term employer commitment.
- Proven, cost-effective way to recruit and evaluate potential employees.
- Enhancement of employer's image in the community by contributing to the educational enterprise.

Benefits to Students:

- An opportunity to get hired by the Industry/ organization.
- Practical experience in an organizational setting.
- Excellent opportunity to see how the theoretical aspects learned in classes are integrated into the practical world. On-floor experience provides much more professional experience which is often worth more than classroom teaching.
- Helps them decide if the industry and the profession is the best career option to pursue.
- Opportunity to learn new skills and supplement knowledge.
- Opportunity to practice communication and teamwork skills.
- Opportunity to learn strategies like time management, multi-tasking etc in an industrial setup.
- Opportunity to meet new people and learn networking skills.
- Makes a valuable addition to their resume.
- Enhances their candidacy for higher education.
- Creating network and social circle and developing relationships with industry people.
- Provides opportunity to evaluate the organization before committing to a full time position.

Benefits to the Institute:

- Build industrial relations.
- Makes the placement process easier.
- Improve institutional credibility & branding.
- Helps in retention of the students.
- Curriculum revision can be made based on feedback from Industry/ students.
- Improvement in teaching learning process

GENERAL INTERNSHIPS GUIDELINES

- Internship is always more valuable compared to a college project as it enables the interns to understand how companies work, build new contacts, develop a network and most importantly work on real-life projects executed within the company. Institutes are advised to send students for internship at least twice during the complete program once after second year and once after third or in final year.
- Many interns seem to judge the company by the number of employees in the organization. Do use more meaningful criteria to judge the company for the internship such as the time and training that they are willing to devote for you, type of products, value addition and services offered by the company in relation to what you want to learn, technologies employed by the company with respect to what you want to master etc.
- 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 mindset 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 procedure

INTERNSHIP

PHASE – I

From 03/04/2024 TO 25/04/2024

Part II: Internship Objectives/Learning Activities

Internship Objectives: What do you intend to learn, acquire and clarify through this internship? Try to use concrete, measurable terms in listing your learning objectives under each of the following categories:

- Knowledge and Understanding
- Build practical experience
- Build problem solving skills
- Build professional network
- Skills
- Learning new languages
- Exposure to new aspects of programming

Learning Activities: How will your internship activities enable you to acquire the knowledge/understanding, and skills you listed above?

Ans: Internships provide an opportunity to apply your academic knowledge to real-world IT problems and solutions, helping you develop practical skills and experience that will be valuable in your future career. Internships offer opportunities to connect with professionals in your field, including your supervisor, mentors, and fellow interns. Building relationships with these individuals can help you expand your network, gain insights into the industry, and potentially secure future job opportunities. IT internships often involve working with new technologies, software, and hardware. You may be able to learn new programming languages, database management systems, or other technical skills that will be useful in your future career.

On the job: Describe how your internship activities will enable you to meet your learning objectives. Include projects, research, report writing, conversations, etc., which you will do while working, relating them to what you intend to learn.

Ans: IT professionals must often work in teams to complete projects. Internships can help you develop your communication and teamwork skills, as you collaborate with others to achieve project goals. IT encompasses a broad range of areas, including programming, data analysis, cybersecurity, and systems administration. Internships can help you gain exposure to different aspects of IT which is necessary for a job

Teaching/Mentoring Activities: How your technical knowledge can be applied at the site of the internship. How you can create value through mentoring/help people learn new things.

Ans: 1. Completing assigned tasks: As an intern, you will likely be assigned specific tasks related to the company's IT needs. You can use your technical knowledge to complete these tasks efficiently and effectively, demonstrating your value as a team member.

2. Offering suggestions and improvements: As you work on assigned tasks, you may notice areas where the company's IT systems or processes could be improved. You can use your technical knowledge to suggest improvements or identify potential solutions, demonstrating your ability to think critically and contribute to the team's success.

3. Share your knowledge: As an intern, you may have knowledge or skills that your fellow interns or team members lack. You can offer to share this knowledge and help others learn new things.

4. Be approachable: Make yourself approachable and open to questions. Encourage others to ask for help when they need it and be willing to provide guidance and support.

5. Offer feedback: When working with others, provide constructive feedback on their work and offer suggestions for improvement. This feedback can help your peers grow and develop their skills.

6. Be a team player: Collaborate with your fellow interns and team members on projects and tasks, offering your technical expertise and support when needed.

Off the job: List reading, writing, contact with faculty supervisor, peer group discussion, field trips, observations, etc., you will make and carry out which will help you meet your learning objectives.

Ans: contact with faculty supervisor helped me a lot with internships as they are the one have the most knowledge and experience to share with.

Evaluation: Your Internship supervisor will provide a written evaluation of your internship. Describe in detail what other evidence you will provide to your faculty Mentor to document what you have learned (e.g. journal, analytic paper, project, descriptive paper, oral presentation, etc.) Include deadline dates.

Part III: The Internship

Job Description: Describe in as much detail as possible your role and responsibilities while on your internship. List duties, project to be completed, deadlines, etc. How can you contribute to the organization/site of internship.

Ans: As an intern, you will be working closely with the IT team to support various IT functions. i may be given specific tasks related to the company's IT needs. These tasks may include troubleshooting technical issues, installing software, testing applications, writing code, and providing technical support. I will be expected to attend team meetings and provide updates on your progress and the status of your assigned tasks. During my IT internship, I usually assigned various projects and tasks to complete. These projects may be short-term or long-term, and i may be working on several projects simultaneously. Take the initiative to seek out additional tasks or projects to work on. Demonstrate your willingness to learn and contribute to the organization.

Supervision: Describe in as much detail as possible the supervision to be provided/needed at the work site. List what kind of instruction, assistance, consultation you will receive from whom, etc.

Evaluation: How will your work performance be evaluated? By whom? When?

Instruction:

Arjun sir will provide detailed instructions on how to complete the assigned tasks. He will explain the objectives of each task and the expected outcomes. Arjun will provide guidance on best practices, such as coding standards

Assistance:

Sir Arjun always be available to offer assistance to the intern. In case the intern encounters difficulties or has questions while working on their tasks, they can turn to sir Arjun for help. He will be available to answer questions, clarify instructions, and help the intern troubleshoot any technical issues that they may encounter. Sir Arjun will offer suggestions on how to improve the intern's work or identify areas where they can gain additional skills.

Consultation:

Sir Arjun always consult with the intern to gather feedback on their progress and provide them with constructive feedback on their work. He will offer recommendations on how to improve their work or identify areas where they need additional support or training. Additionally, he may consult with the intern on project design or implementation strategies

Part IV: Agreement

This contract may be terminated or amended by student, faculty coordinator or work supervisor at any time upon written notice, which is received and agreed to by the other two parties.

Student _____ Date _____

Faculty Mentor _____ Date _____

Industry Supervisor _____ Date _____