

SEMESTER INTERNSHIP

NAME OF STUDENT: Routhu. Hareesh

NAME OF COLLEGE: Mrs. A.V.N College

REGISTRATION NO: 720130805310

PERIOD OF INTERNSHIP: April-23 20/4/23 19/7/23

ORGANIZATION: Antar IDT Pvt Ltd, Wing 1,
Innovation Valley, IT SEZ,
Rushikonda, Visakhapatnam.

Andhra

University

An Internship Report on
IoT (Embedded Systems)

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
Bachelor of Science

Under the Faculty Guideship of
D. Santosh Kumar

(Name of the Faculty Guide)

Department of
Mrs. A.V.N. College

(Name of the College)

Submitted by:

Routhu. Haresh.

(Name of the Student)

Reg.No: 720130805310

Department of **computer science**

Mrs. A.V.N college

(Name of the College)

Student's Declaration

I, R. Hareesh a student of Bachelor of Science
Program, Reg. No. 720130805310 of the Department of Computer science
College do hereby declare that I have completed the mandatory internship
from 20/04/23 to 19/07/2023 in Antar IoT (Name of
the intern organization) under the Faculty Guideship of
D. Santosh Kumar (Name of the Faculty Guide), Department of
computer science, Mrs. A.V.N college
(Name of the College)

R. Hareesh.
(Signature and Date)

Official Certification

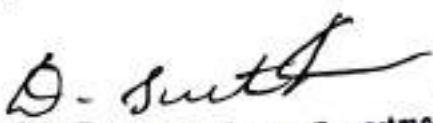
This is to certify that Mr. R. Hareesh (Name of the student) Reg. No. 720130405310 has completed his/her Internship in Antax IoT (Name of the Intern Organization) on IoT (Embedded development) (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of Bachelor of science in the Department of Mrs. A.V.N College (Name of the College).

This is accepted for evaluation.


(Signatory with Date and Seal)

Endorsements


Faculty Guide


Head of the Department
Head of the Department of
Physics, Electronics and Computer Science
Mrs. A.V.N. COLLEGE
VISA KHAPATNAM.530001

Principal


PRINCIPAL
Mrs. A.V.N. COLLEGE
VISA KHAPATNAM

Certificate from Intern Organization

This is to certify that Mr. R. Hareesh (Name of the intern)
Reg. No. 720180805310 of Mrs. A.V.N College (Name of the
College) underwent internship in Antar IoT (Name of the
Intern Organization) from 20/04/23 to 19/07/23

The overall performance of the intern during his/her internship is found to be
Satisfactory (Satisfactory/Not Satisfactory).


19/07/23
Authorized Signatory With Date and Seal


Acknowledgements

I am glad to render my thankful acknowledgment to the APSCHE for giving this wonderful opportunity to us and I am also thankful to the Andhra university. I sincerely acknowledge to principal of A.V.N college for giving me an opportunity to work on this internship programme.

I take to this opportunity to express my work on this internship programme and also I would like to thank Mr. D. Santhosh Kumar Head of the Department of Computer science for motivating me.

I would like to acknowledge my sincere thanks to the Company ANTAR IOT for giving me this opportunity. Finally, I thank one and all who have contributed their part in helping me in my endeavour to accomplish the object of Third internship project.

Contents

- chapter 1 executive summary
- chapter 2 overview of the organisation
- chapter 3 Internship part
- chapter 4
- Activity log
 - Weekly report
- chapter 5 outcomes description.
- Environment experience
 - realtime technical skills.
 - Managerial skills
 - Improvement of communication skills.
 - Enhance of abilities
 - Technological developments.

CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

This Internship report provides a comprehensive overview of the learning experiences and achievements during the internship period. The internship took place at "Antar IoT", a leading Technology firm at IoT (Embedded systems). Throughout the internship the primary goal is to gain practical knowledge and hands-on skill related to testing procedures, Installation protocols and the programming aspects of Arduino.

Learning Objectives and outcomes Achieved :-

1. Understanding Testing procedures: By working closely with the testing team, I successfully acquired knowledge of various testing Methodologies, Bug reporting procedures.
2. Installation process proficiency: Under the guidance of Installation Specialists, I learned about System Setup, Configuration and trouble Shooting.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

Introduction of the organisation:-

Antar IOT is a Technology company Specializing in the Internet of things and Next-generation technologies.

Antar design, develop and Manufacture a range of Secure, high quality, technologically advanced Smart products which are very easy to use and results in delightful Customer experience.

Mission, vision and values of the Organisation:-

Mission: ~~They~~ design, develop, Manufacture cost effective Smart products that are simple, Secure, easy to use and relevant leveraging our IP in the IOT Space to make life more convenient for people.

Vision: To provide innovative Smart products that our customers would prefer and love using results in delightful customer experience.

Values: customer delight, Quality and Integrity.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

During My Internship at Antar IoT, I had the opportunity to gain valuable experience and insights into the dynamic world of software development and project management. This chapter outlines the various activities and responsibilities I overtook during my internship, including details of working conditions, the weekly work schedule, equipment used and task performed.

Working Condition: - The working condition at Antar IoT was professional and collaboration. The office space was well lit and designed to encourage team work and creativity.

Weekly work schedule: - As an Intern, I followed a regular 10-5^{am} work schedule, Monday to Saturday. I had flexibility to adjust my hours to accommodate learning sessions or attend team meetings.

Equipment used: - I was provided with a dedicated workstation equipment with a high performance desktop computer, dual monitors and all the tools