

LONG TERM INTERNSHIP

Project report submitted

in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF SCIENCE

By

MAMIDI VINAY KUMAR

(Reg. No:720130805297)

Under the Esteemed Guidance of

GUIDE NAME

D. SANTHOSH KUMAR

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HOD

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Mrs. A.V.N.College

(Affiliated to Andhra University)

Visakhapatnam-530001

2022-2023

**PROGRAM BOOK FOR
SEMESTER INTERNSHIP**



Estd: 1960

Name of the Student: MAMIDI VINAY KUMAR

Name of the College: MRS AVN COLLEGE

Visakhapatnam.



Registration Number: 720130805297

Period of Internship: 15 weeks (540 Hours) From: 01.04.2023 To: 14.07.2023

Name & Address of the Intern Organization:

IICTE Private Limited. Plot No. 24, Opposite Y School, Srinivasa Nagar, GITAM College Road, Visakhapatnam, Andhra Pradesh.

Mrs AVN COLLEGE, Visakhapatnam.

Andhra University

YEAR 2022-2023

An Internship Report on
SCHOOL MANAGEMENT SYSTEM PROJECT
ON
PYTHON

Submitted in accordance with the requirement for the degree of
B.SC (MATHS,ELECTRONICS,COMPUTERS SCIENCE)

Under the Faculty Guidance of

Sri. D.SANTHOSH KUMAR

Department of

PHYSICS,ELECTRONICS,COMPUTER
SCIENCE

Mrs AVN COLLEGE

Visakhapatnam.

Submitted by:

MAMIDI VINAY KUMAR

Reg.No: 720130805297

Department of PHYSICS,ELECTRONIC,COMPUTER SCIENCE

Mrs AVN COLLEGE

Visakhapatnam.

Student's Declaration

I, **MAMIDI VINAY KUMAR** a student of **B.SC**
(MATHS,ELECTRONICS,COMPUTER SCIENCE) Program, Reg. No.
720130805297 of the Department of physics,electronic,computers
science ,**Mrs AVN COLLEGE VISAKHAPATNAM**, do hereby declare that I
have completed the mandatory internship from 01.04.2023to
14.07.2023(540 Hours) in **IICTE Private Limited**, Visakhapatnam, under
the Faculty Guidance of **Sri. D. SANTHOSH KUMAR**, Department of ,
PHYSICS,ELECTRONICS,COMPUTER science Mrs AVN COLLEGE,
Visakhapatnam.

M. Vinay Kumar

(Signature and Date)

Official Certification


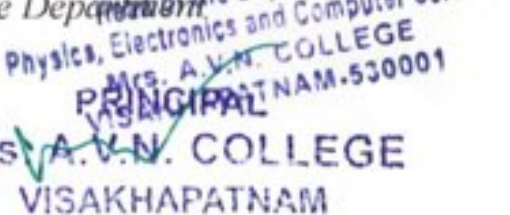
This is to certify that *mamidi vinay kumar* Reg. No. *720130805297* has completed his/her Internship in *IICTE Private Limited, Visakhapatnamon School Management System project* under my supervision as a part of partial fulfilment of the requirement for the Degree of *B.SC (MATHS,ELECTRONICS,COMPUTER SCIENCE)* in the Department of *Chemistry, Mrs AVN COLLEGE, Visakhapatnam.*

This is accepted for evaluation.


(Signatory with Date and Seal)

Endorsements


Faculty Guide


Head of the Department of the Department of
Physics, Electronics and Computer Science
Principal

Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

Certificate from Intern Organization

This is to certify that **MAMIDI VINAY KUMAR** Reg. No. **720130805297** of **Mrs AVN COLLEGE, Visakhapatnam** underwent internship in **IICTE Private Limited, Visakhapatnam** from **01.04.2023** to **14.07.2023** (540 HOURS).

The overall performance of the intern during his/her internship is found to be Satisfactory.



Authorized Signatory with Date and Seal

Estd: 1860

Acknowledgement

It gives me an immense pleasure and pride to express my sincere gratitude and respect for my teacher and guide **Sri. D. santhosh kumar** Lecturer in **PHYSICS ELECTRONICS,COMPUTERS** , Mrs AVN COLLEGE, Visakhapatnam for his expert and inspiring guidance.

Also, I am very grateful to the head of the Department of **PHYSICS ELECTRONICS,COMPUTERS** , and the other faculty members of the **PHYSICS ELECTRONICS,COMPUTERS** Department for being a source of support during this project period.

I would like to extend my gratitude to my principal Sir **Dr.SIMHADRI NAIDU** for providing me all the necessary facilities that were required for successful completion of this internship.

I also thank **IICTE Private Limited**, Visakhapatnam for providing internship opportunity.

My special thanks to the internship trainer **Sri. G GOVIND** for their constant support, encouragement and timely advice.

M. Vinay Kumar
Signature of the student

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INTRODUCTION

Internship is an integral platform for anyone to gain experience in the actual work place. Thus, Internship is a good opportunity for students to learn, to gain experience and also to make preparations. Men learn through experience and real life is full of different kinds of experiences. We will encounter many difficulties and obstacles and with experiences we are expected to be able to encourage and complete the process. Experience in my eyes is a very valuable thing in life because we need to be brave in taking risks. It is also not something that we simply create, but we need to undergo through it. By doing my internship in an actual work environment, it helps me to know and discover myself from different angles. It also helps me to control and develop my attitude towards dealing with different kinds of people and situations.

I have decided to take the internship course to grab the golden opportunity to apply theoretical knowledge that I have in a real working environment. Through college, I learned about theories but doing an internship, I learned a practical approach on dealing with the real world. Even though it was not that much, it still has profound results in some aspects of my life. In some ways, through internship, I also have learned that I am still lacking as an individual and employee. Internship helps me to identify my weaknesses and also my strengths. "Experience without theory is blind, but theory without experience is mere intellectual play". The other reason why I choose to take the internship is as preparation for a more challenging work environment and situation. Our life in college is incomparable with real working experience. A working life is very challenging as it requires great effort, commitment and abilities; those are something that I need to be prepared and trained to.

Apart from that, I really want to gain professional experience and skills by taking the internship course. At the same time, I also want to improve my communication skills and ability to interact with people. I realize that by being part of society, I will need to meet different people around the office and I will have to communicate with them to settle their needs. Undergoing internship also helps to make me learn on how to work in a systematic organization. It helps me to learn how to be independent in accomplishing my tasks. Besides, all knowledge that I have learnt through my classroom learning in the classroom can be implemented through an internship. Not only that, by doing an internship, I am able to undergo challenges which are normal in a working life setting.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggested Contents

A. Introduction of the Organization

Company which provides technology solutions to over customers with convergence of media, the changing landscape of the industries is becoming extremely competitive. As companies rapidly strive to gain a competitive advantage, **IICTE** helps companies innovative and transforms its unique insights, differentiated services and flexible partnering models. This helped our customers reduce operating costs and generate new revenue streams. We provide high end business solutions for complex business utilizing current technologies with expert professions in software industries. Our project is based on the principles of highest quality, longest reliability, lowest cost and complete customer satisfaction.

At **IICTE PVT LTD** we provides **Software Products, IT services, HR consultancy, Security Systems**, and various **Transaction Processing Services**. **IICTE** has integrates its products and services to create customized solutions to allow you to undertake technology-based business transformation that allows reorganization in line with today's dynamic digital business environment.

B. Vision, Mission and Values of the Organization

IICTE PVT LTD is a service provider company committed to help business providing qualified resources, and professional services with the highest quality in different areas and we will leverage our strengths to execute complex global-scale projects to facilitate leading-edge products and services affordable to all consumers and business in India. As **IICTE** has developed its quality initiative and casts its process with perfect customization as per the client needs while meeting the defined standards. So here we will offer unparalleled value to create customer delight and enhance business productivity.

So quality is our measurable factor for us. It is our responsibility towards our valued clients who are the very cause of our existence.

C. Policy of the Organization in relation to the intern role

In the competitive IT services industry, it's difficult to know what differentiates one company from the other, so to keep pace with today customer-driven business environment; companies must re think their business processes. As companies are facing increasing competitive pressure and are inhabitant by inefficient IT systems, it is clear that current enterprise applications are no

longer meeting the business demands. So with IICTE , you can be certain that we put our customer's interests first: we take a unique approach to fostering client, member (employee) and customer's satisfaction.

IICTE PVT LTD delivers solutions that address this with flexible enterprise applications that can be delivered quickly and cost- effectively into complex environments. The IICTE PVT LTD team represents the architecture of our approach. It governs how we deliver services to clients, how we interact with members and how we respond to customers requirements. IICTE is committed to helping our clients with win and grows to

D: Organizational Structure

IICTE PVT LTD is a globally focused services provider spread for serving customers, providing end-to-end services from IT development.

Our business encompasses a complete range of services that covering **IT development, HR-Consultancy** and various security systems etc. We endeavor to further extend our efforts beyond the traditional value chain by developing and deploying complete user friendly solutions for the entire spectrum of society.

Company area of business in IT side:

- ❖ Application development & maintenance
- ❖ Package implementation
- ❖ Web solutions
- ❖ Multimedia
- ❖ Content development
- ❖ Product design services
- ❖ Software development
- ❖ Web designing/ web publishing
- ❖ Graphics
- ❖ Data processing
- ❖ Hardware consultancy
- ❖ Wireless solutions
- ❖ Network solutions
- ❖ IT training
- ❖ Video conference

- ❖ Web hosting

D. Roles and responsibilities of the employees in which the intern is placed.

- ❖ Business communication skills
- ❖ Team building
- ❖ Team working skills
- ❖ Personal productivity (motivation)
- ❖ Creative thinking
- ❖ Presentation skills
- ❖ Leadership for project leaders
- ❖ Time and self management
- ❖ Effective meetings
- ❖ Cross culture.

E. Performance the Organization Terms of turnover, profits, market reach and market value.

Traditionally, a marketing plan includes the four P's: Product, Price, Place, and Promotion. For a software company business plan, your marketing strategy should include the following:

Product: In the product section, you should reiterate the type of software company that you documented in your company overview. Then, detail the specific products or services you will be offering. For example, will you provide open source programming, SaaS products, or software to support Microsoft systems?

Price: Document the prices you will offer and how they compare to your competitors. Essentially in the product and price sub-sections of your plan, you are presenting the products and/or services you offer and their prices.

Place: Place refers to the site of your software company. Document where your company is situated and mention how the site will impact your success. For example, is

your software company located in a professional technology park, a standalone building or is it purely online? . Discuss how your site might be the ideal location for your customers.

Promotions: The final part of your software company marketing plan is where you will document how you will drive potential customers to your location(s). The following are some promotional methods you might consider:

- Quarterly press releases to industry-wide interest groups
- Engage in social media mining and marketing
- Offer informative blogs; become a speaker in seminars
- Create a strong presence at tech trade shows and conferences
- Give expert opinions on tech social media platforms
- Improve the SEO (search engine optimization) on your website for targeted keywords

F. Future Plans of the Organization.

Our speculations for the future say that AI, machine learning, and data science will affect all spheres, and software code will automate most jobs worldwide. And all the software running around the world will need experts in software engineering to develop, maintain, and improve their working. This means that the software engineer demand in the future is going to rise, for more managerial roles like taking care of automated software, etc.

The customer demands for software are altering daily in the market, which has opened the sphere of innovation for organizations. While the new technologies being used today demand new skills and the assistance of skilled and experienced software engineers, the software engineers are working hard to learn new languages and stay updated with the trends.

Along with skills, software engineers will need to possess higher levels of ethics and integrity to work in data privacy and transparent AI applications. Software engineers' future prospects will increase as they adapt to the ever-changing digital world around them.

1. Cloud services

2. Artificial Intelligence

3. Low code development

4. Blockchain technology

5. Cybersecurity

6. Introduction of new programming languages

7. Advanced algorithms driving automation

8. The new reality with AR & VR

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WEEKLY ACTIVITY LOG

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1	Explain about Python Programming Concepts	Python supports functional, object-oriented programming methods as well as OOP.	M. V. K
Day - 2	Explain about syntax of Python	Python is dynamic, interpreted language.	M. V. K
Day -3	Explain about history of Python.	Python was created by Guido van Rossum	M. V. K
Day -4	Explain about features of Python.	<ul style="list-style-type: none"> * Free and open sources * Easy to code * object oriented language. 	M. V. K
Day -5	Explain about installation process.	Python is installed it should show up as the Best Match.	M. V. K
Day -6	Explain about features of Python	Python supports object oriented language	M. V. K

Objective of the Activity Done:

Introduction Concept and Installation Process of Python.

Detailed Report:

Python is a Programming language. Python was created by Guido van Rossum, and first released on February 20, 1991. Python was similar to the English language. Python has syntax that allows developers to write programs with fewer lines than some other programming languages. Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping is very quick.

To install Python using Microsoft Store:
Go to your Start menu
Type "Microsoft Store" select the link to open
used for anything But those special purpose.