

**PROGRAM BOOK FOR
SEMESTER INTERNSHIP**



Name of the Student: NANDIPATI YAMINI SOWJANYA

Name of the College: **MRS AVN COLLEGE**
Visakhapatnam.

Registration Number: 720130805303



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

Name & Address of the Intern Organization:

ICTE 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 (MTAHS, ELECTRONICS&COMPUTER SCIENCE)

Under the Faculty Guideship of

Sri. SANTHOSH KUMAR
ELECTRONICS&COMPUTER SCIENCE
Mrs AVN COLLEGE
Visakhapatnam.

Submitted by:

NANDIPATI YAMINI SOWJANYA

Reg. No: 720130805303

ELECTRONICS&COMPUTER SCIENCE
Mrs AVN COLLEGE
Visakhapatnam.


Official Certification

This is NANDIPATI YAMINI SOWJANYA to certify that Reg. No. 720130805303 has completed his/her Internship in *IICTE Private Limited, Visakhapatnam* on *School Management System project* under my supervision as a part of partial fulfilment of the requirement for the Degree of *B.Sc (MTAHS, ELECTRONICS, and COMPUTER SCIENCE)* in the Department of Electronics&Computer Science, *Mrs AVN COLLEGE, Visakhapatnam.*

This is accepted for evaluation.


(Signatory with Date and Seal)

Endorsements



Faculty Guide


Head of the Department

Principal

PRINCIPAL
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

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 1: EXECUTIVE SUMMARY

We are developing a website for school with some outstanding highlights. Website is fully developing on full stack. The website name is "SCHOOL MANAGEMENT SYSTEM". In this website we provide three dashboards 1st for Admin, 2nd for Teacher and 3rd for Students. In this website we gave fully access to Admin. Admin can add, delete, update and view data about Teacher, Student in detail from the database. Teacher can also view his record of attendance, his salary record and also can be view his personal his salary record and also can be view his personal data and he can changes (or) modify his personal information and Teacher can also add Student Exam Data. Teacher can also add the attendance of the students. Student can also view his record of attendance, his fee record, his Exam record and also he can view his personal data and he can change his personal information. Admin, Teacher and Student have different their database where they can play their task. Admin can change the record, modify and play everything with the data but teachers and students can just view their record, not change.

CHAPTER2: 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



Mrs
A.V.N. COLLEGE

Estd: 1950

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 & Structured programming methods as well as OOP	
Day -2	Explain about Introduction of python	python is a Dynamic, C, Interpreted language.	
Day -3	Explain about history of python	python was Created by Guido Van Rossum	
Day -4	Explain python Installation process	python is installed it should show up as the best method	
Day -5	Explain about Features of python	free & open source, Easy to Code, object oriented language.	
Day -6	Explain about features of python	python Supports object oriented language.	

WEEKLY REPORT
WEEK - 1. (From Dt..... to Dt.....)

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 has a similar to the English language. Python has syntax that allows developers to write program with fewer lines than some other programming language. Python runs on interpreter system, meaning that code can be created as soon as it is written. This means that prototyping is very quickly.

To install Python using Microsoft Store. Go to your Start menu (lower left window) Type "Microsoft Store". Select the link to Open. Be used for anything but those specific purpose.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1	Explain about Difference between C++, Java & Python	Java, C++ is platform dependent and python is platform independent	
Day -2	Explain python program Structure and Sample	The structure python program consists of files such as a.py, b.py	
Day -3	Explain about python Variables with Examples	A python variable is a symbolic name that is a pointer to an object	
Day -4	Explain about python Data types with Example and program.	Python Data types are used to do find the type of a variable.	
Day -5	Explain about python Operators and Comments with usage.	Python Operators are the constructs which can manipulate the value of operand	
Day -6	Explain python Key words and literals and usage.	Keywords are pre defined reserved words used in python programming	

Objective of the Activity Done:

Python Data Types, Operators, Keywords and Literals.

Detailed Report:

In programming language like python there are mainly four data types. String & numbers are symbols that we see on keywords numerical. These data types store numerical value like integers floating point numbers and complex numbers.

In python programming language operators in general are used to perform operation on values and variables.

* Operators : There are the special symbols
Eg:- +, * ; / etc.

* Operands : It is the value which the operator is applied.

Python Keywords: are special reserved words that have specific meaning and purpose and can't be used for anything.