

LONG TERM INTERNSHIP

Project report submitted

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

BACHELOR OF SCIENCE

By

LENKA HEMANTH KUMAR

(Reg. No: 720130805293)

Under the Esteemed Guidance of

D SANTHOSH KUMAR

(Lecturer in Computer Science)

D SANTHOSH KUMAR

Head of the Department

COMPUTER SCIENCE



Mrs.A.V.N.College

(Affiliated to Andhra University)

Visakhapatnam-530001

2022-2023

**PROGRAM BOOK FOR
SEMESTER INTERNSHIP**



Name of the Student: LENKA HEMANTH KUMAR

Name of the College: MRS AVN COLLEGE

Visakhapatnam.

Registration Number: 720130805293

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(Maths, Electronics, Computer science)

Under the Faculty Guidance of

Sri. D.SANTHOSH KUMAR

Department of Electronics, Physics,
Computer science

Mrs AVN COLLEGE

Visakhapatnam.

Submitted by:

LENKA HEMANTH KUMAR

Reg. No: 720130805293

Department of Electronics, Physics, Computer science

Mrs AVN COLLEGE

Visakhapatnam.

Student's Declaration

I, **LENKA HEMANTH KUMAR** student of *B.SC (MATHS, ELECTRONICS, COMPUTER SCIENCE)* Program, Reg. No. 720130805293 of the Department of *Electronics , Physics, Computer science* **Mrs AVN COLLEGE VISAKHAPATNAM**, do hereby declare that I have completed the mandatory internship from 01.04.2023 to 14.07.2023 (540 Hours) in **IICTE Private Limited**, Visakhapatnam, under the Faculty Guidance of **Sri D SANTHOSH KUMAR**, Department of *Electronics, Physics, Computer science* **Mrs AVN COLLEGE**, Visakhapatnam.

(Signature and Date)

Official Certification

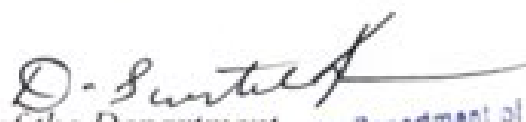
This is to certify that *LENKA HEMANTH KUMAR* Reg. No. *720130805293* has completed his/her Internship in *ICTE Private Limited, Visakhapatnam* on *School Management System project* under my supervision as a part of partial fulfilment of the requirement for the Degree of *B.SC (MATHS, ELECTRONICS, COMPUTER 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
Head of the Department of
Physics, Electronics and Computer Science
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM-530001


Principal
PRINCIPAL
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

Certificate from Intern Organization

This is to certify that *LENKA HEMANTHI KUMAR* Reg. No.720130805293 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 Electronics, Physics, Computer science Mrs AVN COLLEGE, Visakhapatnam for his expert and inspiring guidance.

Also, I am very grateful to the head of the Department of Electronics, Physics, Computer science and the other faculty members of the Electronics, Physics, Computer science 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 ICTE 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.

L. Hemant 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.

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 01/04/23 Sat	Explain about python programming concepts	Learnt python programming concepts	
Day - 2 03/04/23 Mon	Explain about Introduction of python	Learnt Introduction of python	
Day -3 04/04/23 Tue	Explain about chistory of python	Learnt history of python	
Day -4 05/04/23 Wed	Explain about python Installation Process	Learnt python Installations Process	
Day -5 06/04/23 Thu	Explain about features of python	Learnt features of Python	
Day -6 07/04/23 Fri	LAB -1	Doing Lab Exercise to learnt in system.	

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, & 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 run on interpreter system. Meaning that code can be created as soon as it is written. This mean that proto-typing 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 this specific purpose.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 08/04/23 Sat	Explain about features of python	Learnt features of python	
Day -2 10/04/23 Mon	Explain differences b/w C++, Java & python	Learnt the differences	
Day -3 11/04/23 Tues	Explain python program structure & sample program	Learnt python program structure	
Day -4 12/04/23 Wed	Explain python variable with egs	Learnt python variables	
Day -5 13/04/23 Thu	Explain python data types with egs	Learnt python Data types	
Day -6 14/04/23 Fri	LAB-2	Doing lab to practise in System.	

WEEKLY REPORT
WEEK - 2. (From Dt..... to Dt.....)

Objective of the Activity Done:

Python Data types, operators, keywords & literals.

Detailed Report:

In python, there are four data types:- String-it numbers and symbols that we see on keyboard numerical: These datatypes store numerical values like integers floating point numbers & complex numbers.

In python, operators in general are used to perform operation on values & variables

* operators :- These are special symbols
eg :- +, *, /, - etc.

* Operator :- It is the value which the operator is Applied

Python keywords are special reserved words that have specific meaning & purposes and can't be used for anything but those specific purpose python literals are a datatypes and that can hold any value type.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 15/04/23 Sat	Explain about python operators and comments with usage	Learnt python operators & comments	
Day -2 17/04/23 Mon	Explain python keywords & literals with usage	Learnt python keywords & literals	
Day -3 18/04/23 Tue	Explain control statements & usage of control statements	Learnt control statements	
Day -4 19/04/23 Wed	Explain if and if else statements with programs	Learnt if & if else statements	
Day -5 20/04/23 Thu	Explain while & do while loops with programs	Learnt while and do while programs	
Day -6 21/04/23 Fri	LAB -3	Going lab to practise in system	

Objective of the Activity Done:

Python loop Concept

Detailed Report.

Python is one of the most popular & versatile languages available today, deployed across many industries & used for web development, machine learning & data science.

In this article, we will learn python loops, different types of loops, how control statements work & encounter the outer loop, performing its 1st iteration.

This 1st iteration triggers the inner, nested loop which then returns to completion, it returns the loop top of the outer loop. Completing the second iteration & continues...

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 22/04/23 Sat	Explain for loop with examples	Learnt for loop	
Day -2 24/04/23 Mon	Explain break and continue statements with programs	Learnt break & continue statements	
Day -3 25/04/23 Tue	Explain strings with examples and programs	Learnt about strings	
Day -4 26/04/23 Wed	Explain about lists with examples	learnt lists & its programs	
Day -5 27/04/23 Thu	Explain about lists and programs	Learnt lists & its programs.	
Day -6 28/04/23 Thu	LAB - 4	Doing lab to practise in system	

WEEKLY REPORT
WEEK - 4. (From Dt..... to Dt.....)

Objective of the Activity Done:

Lists concepts in python

Detailed Report:

Lists are used to store multiple items in a single variable.

Lists are one of 7 built in datatypes in python used to store collections of data, the other 3 are tuple set & dictionary, all with diff qualities and usages. when choosing, it is useful to understand the properties of that type. Choosing the right type.

For a particular data set could mean retention of meaning, & it could mean an increase in efficiency or security.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 29/04/23 Sat	Explain Tuples with eg's and program	Learned Tuples	
Day -2 01/05/23 Mon	Explain about sets with eg's and Programs	Learned set & its Programs	
Day -3 02/05/23 Tue	Explain about Dictionary with eg's	Learned dictionary with eg's	
Day -4 03/05/23 Wed	Explain about functions with eg's	Learned Functions	
Day -5 04/05/23 Thu	Explain about Built in functions & Lambda functions	Learned about Lambda func.	
Day -6 05/05/23 Fri	LAB-5	Going lab to practice in system	