

**PROGRAM BOOK FOR
SEMESTER INTERNSHIP**



Name of the Student: KODIPILLI BHANUPRAKASH



Name of the College: MRS AVN COLLEGE

Visakhapatnam.

Registration Number: 201080 (or) 120130301080

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
SYSTEM ADMINISTRATION
PROJECT

Submitted in accordance with the requirement for the degree of

B.A (HISTORY,ECONOMICS,POLITICAL SCIENCE)

Offered by

Andhra Pradesh State Council of Higher Education



Under the Faculty Guideship of

Mrs B.Lavanya

Department of English

Mrs AVN COLLEGE

Visakhapatnam.



Submitted by:

KODIPILLI BHANUPRAKASH

Reg. No: 201080 (or) 120130801080

Department of Batchelor of Arts

Mrs AVN COLLEGE

Visakhapatnam.

Student's Declaration

I, KODIPILLI BHANUPRAKASH a student of *B.A*

(HISTORY,POLITICAL SCIENCE, SPECIAL ENGLISH) Program, Reg. No. 120130

801080 of the Department of **Batchelor of Arts** , 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 Guideship of

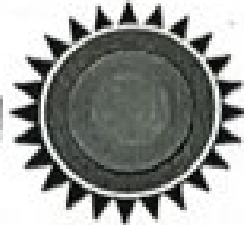
Mrs. B Lavanya, Department of English, Mrs AVN COLLEGE,

Visakhapatnam.

K. Bhanu Prakash
(Signature and Date)



Skill India
कौशल भारत - कुशल भारत



Long Term Internship Certificate

This is to certify that

KODIPILLI BHANUPRAKASH

Mrs.A.V.N. College

has successfully completed 15 weeks

SYSTEM ADMINISTRATION

During Apr-Jul 2023

Supported By IICTE

Mrs.A.V.N.College
Visakhapatnam,Andhra pradesh


Director
IICTE PVT LTD

Official Certification

Reg No: 120120 801080

This is to certify that **KODIPILLI BHANUPRAKASH** Reg. No. **201080** has


completed his/her Internship in **IICTE Private Limited, Visakhapatnam** on

SYSTEM ADMINISTRATION under my supervision as a part of partial fulfilment of

the requirement for the Degree of **B.A (HISTORY, POLITICAL SCIENCE,**

SPECIAL ENGLISH) in , **Mrs AVN COLLEGE, Visakhapatnam.**

This is accepted for evaluation.


(Signatory with Date and Seal)



Endorsements

Faculty Guide




Head of the Department
Political Science
Mrs. A.V.N. College
Visakhapatnam

Principal

PRINCIPAL

Mrs. A.V.N. COLLEGE
VISA KHAPATNAM

Certificate from Intern Organization

This is to certify that **KODIPILLI BHANUPRAKASH** Reg. No. **120130**
201080 of **Mrs AVN COLLEGE, Visakhapatnam**, under went internship
in **IICTE Private Limited, Visakhapatnam on System Administration**
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.


14/7/23
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 Mrs. B Lavanya Lecturer in English, Mrs AVN COLLEGE, Visakhapatnam for his expert and inspiring guidance.

Also, I am very grateful to the head of the Department of Batchelor of Arts and the other faculty members of the B.A Department for being a source of support during this project period.

I would like to extend my gratitude to my principal Sir Dr. M SIMHADRI NAIDU sir 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. E NAGESWARARAO for their constant support, encouragement and timely advice.

K. Bhama Praveesh
Signature of the student

Contents

S. No	Name of the Content	Page No.
1	INTRODUCTION	
2	CHAPTER 1: EXECUTIVE SUMMARY	
3	CHAPTER 2: OVERVIEW OF THE ORGANIZATION	
4	CHAPTER 3: INTERNSHIP PART	
5	ACTIVITY LOG FOR THE FIRST WEEK	
6	WEEKLY REPORT WEEK-1	
7	ACTIVITY LOG FOR THE SECOND WEEK	
8	WEEKLY REPORT WEEK-2	
9	ACTIVITY LOG FOR THE THIRD WEEK	
10	WEEKLY REPORT WEEK-3	
11	ACTIVITY LOG FOR THE FOURTH WEEK	
12	WEEKLY REPORT WEEK-4	
13	ACTIVITY LOG FOR THE FIFTH WEEK	
14	WEEKLY REPORT WEEK-5	
15	ACTIVITY LOG FOR THE SIXTH WEEK	
16	WEEKLY REPORT WEEK-6	
17	ACTIVITY LOG FOR THE SEVENTH WEEK	
18	WEEKLY REPORT WEEK-7	
19	ACTIVITY LOG FOR THE EIGHTH WEEK	
20	WEEKLY REPORT WEEK-8	
21	ACTIVITY LOG FOR THE NINTH WEEK	
22	WEEKLY REPORT WEEK-9	
23	ACTIVITY LOG FOR THE TENTH WEEK	
24	WEEKLY REPORT WEEK-10	

25	ACTIVITY LOG FOR THE ELEVENTH WEEK	
26	WEEKLY REPORT WEEK-11	
27	ACTIVITY LOG FOR THE TWELVETH WEEK	
28	WEEKLY REPORT WEEK-12	
29	ACTIVITY LOG FOR THE TWELVETH WEEK	
30	WEEKLY REPORT WEEK-13	
31	ACTIVITY LOG FOR THE THARTEENTH WEEK	
32	WEEKLY REPORT WEEK-14	
33	ACTIVITY LOG FOR THE FOURTEENTH WEEK	
34	WEEKLY REPORT WEEK-15	
35	ACTIVITY LOG FOR THE FIFTEENTH WEEK	
36	Student Self Evaluation of the Semester-term Internship	
37	Evaluation by the Supervisor of the Intern Organization	
38	Photographs	
39	References	

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: EXECUTIVE SUMMARY

Database Integration: I sought to acquire knowledge and practical experience in integrating distributed applications with databases. Through database design, query optimization and writing, administration, and backup of IS, I successfully integrated applications with different database systems.

Problem-solving and Debugging: An essential aspect of the internship was improving my problem-solving and debugging skills. I faced various challenges and bugs, which required me to analyze, identify, and troubleshoot issues efficiently. This experience sharpened my trouble-shooting abilities.

Team Collaboration: The internship provided an opportunity to develop effective teamwork and collaboration skills. Working closely with the development team, I actively participated in meetings, discussions, and code reviews. It allowed me to enhance my communication and teamwork abilities.

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

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 01/04/2023	Computer and its advantage	learnt about the its advantages and the basic	B. Q
Day -2 02/04/2023	Peripheral	learnt about the input output	B. Q
Day -3 03/04/2023	CPU and memory	learnt about the CPU, ALU & CU	B. Q
Day -4 04/04/2023	Brief description about rom	learnt about Rom Read only memory & its use	B. Q
Day -5 05/04/2023	Brief description about Ram	Random access memory 1. volatile 2. non-volatile	B. Q
Day -6 06/04/2023	Ram size, types, PC speed & capacity	Size → 1. SIMM 2. DIMM 3. RIMM	B. Q

WEEKLY REPORT
WEEK - 1. (From Dt. 04/22 to Dt. 04/28/2023...)

Objective of the Activity Done: Central Processing Unit

Detailed Report:

- ⇒ Crucial component of a computer system
- ⇒ Brain of the computer because it performs most of the processing inside the system
- ⇒ Function: the CPU carries out instructions from computer programs by performing basic arithmetic
- ⇒ Core and threads in modern CPUs are typically multi-core, which means enhancing performance.
- ⇒ Clock speed is CPU performance is often measured by its speed
- ⇒ Cache is CPUs have built-in cache memory that stores frequently accessed data to reduce the time it:
 - ⇒ Instruction set Architecture
 - ⇒ Thermal Design Power
 - ⇒ Overclocking
 - ⇒ Compatibility

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 08/04/2023	Explanation of FDD, HDD, CDD	HDD - Primary & Secondary ① IDE/DATA ② SATA ③ SSD	B. Ar
Day -2 10/04/2023	Explanation of motherboard panels	Panel ① Back, Eg: rear ② Front Eg: panel	B. Ar
Day -3 11/04/2023	Communication 1. serial communication 2. parallel communication	One after another A bunch of data	B. Ar
Day -4 12/04/2023	Hard disk and its partitions	Hard disk Primary & Secondary storage	B. Ar
Day -5 13/04/2023	student doubt classification class	attended	B. Ar
Day -6 14/04/2023	Lab	Lab	B. Ar

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

Objective of the Activity Done:

◦ Communication ◦
↪

- Detailed Report: ⇒ Network Communication: Computers can communicate with each other over network, such as area networks (LANs)
- ⇒ Protocols: Communication between computers often specific protocols, which are a set of rules and formats
- ⇒ Data transmission: Data can be transmitted between computers in various formats, such as text, images, audio, video, or binary data.
- ⇒ sockets and ports = In network communication, sockets and ports are used to establish connections between computers.
- ⇒ client-server model
 - ⇒ APIs and web services = software systems
 - ⇒ In two-way communication.
 - ⇒ Data communication.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 15/4/23	Small questionnaire on topics	Attended	B. Q
Day -2 17/4/23	Explanation of operating system	The group of programs which are interrelated	B. Q
Day -3 18/4/23	Types of operating systems	Types of O.S. ① text mode ② graphical mode	B. Q
Day -4 19/4/23	Description about inside parts of the CPU.	⇒ Mother Board ⇒ RAM ⇒ memory	B. Q
Day -5 20/4/23	Architecture about CPU 1. ALU 2. CPU 3. memory	Learned about the control of application in a system	B. Q
Day -6 24/4/23	Lab	Lab	B. Q

WEEKLY REPORT
WEEK - 3. (From D11.5/24/22 to D12.1/24/22...)

Objective of the Activity Done: Architecture about CPU

Detailed Report. ⇒ Control unit = the control unit manages the execution of instructions

⇒ Arithmetic logic unit (ALU) = the ALU performs arithmetic operations of data, logical comparisons.

⇒ Registers = registers are high-speed storage units located within the CPU

Program Counter, Instruction register accumulator.

⇒ memory management unit

⇒ Cache = CPUs have multiple levels of cache memory and main memory (CPU)

⇒ Instruction pipeline

⇒ Bus interface unit = BIU and CPU for data transfer

⇒ Instruction set architecture.

⇒ Clock and control signals

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 22/4/23	Vivo on completed topics	Based on the Introduction of topic	B. Q
Day -2 24/4/23	week test	we learnt about the week chat	B. Q
Day -3 25/4/23	Microsoft office Explanation	It is the largest software	B. Q
Day -4 26/4/23	class on notepad	understand the short cuts used in the notepad	B. Q
Day -5 27/4/23	class on notepad with shortcuts	understand about the shortcuts	B. Q
Day -6 28/4/23	lab	lab	B. Q

WEEKLY REPORT
WEEK - 4. (From Dt 21/04/21 to Dt 28/04/23.....)

Objective of the Activity Done:

: M.S. Office :



Detailed Report: ⇒ collection of software programmes that are widely in various professional and personal settings.

⇒ MS Word : A word processing application used for creating and editing documents, spell-checking, tables

⇒ MS Excel : A spreadsheet program used for organizing, analyzing and manipulating numerical data

⇒ MS powerpoint : A presentation software used for creating slideshows, delivering presentations.

⇒ MS outlook : An email and personal information management, contacts, tasks.

⇒ MS access : data base management

⇒ MS one note : use to create, organize, share notes.