

**PROGRAM BOOK FOR  
SEMESTER INTERNSHIP**



**Name of the Student: SOMADULA RAMBABU**

**Name of the College: MRS. A.V.N COLLEGE**

Visakhapatnam.



**Registration Number : 120130801068**

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

**Name & Address of the Intern Organization:**

**HCTE 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)*

*Under the Faculty Guideship of*

*Sri. J.RAMA RAO Department of POLITICAL SCINCE*

**Mrs AVN COLLEGE**

**Visakhapatnam.**

**Submitted by:**

***SOMADULA RAMBABU***

**Reg.No : 120130801068**

***Department of POLITICAL SCIENCE***

**Mrs AVN COLLEGE**

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**Reg.No : 120130801068**

***Department of POLITICAL SCIENCE***

**Mrs AVN COLLEGE**

**Visakhapatnam.**

## Official Certification

This is to certify that *SOMADULA RAMBABU* Reg. No. *120130801068* 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, ECONOMICS, POLITICAL 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  
Political Science  
Mrs. A.V.N. College  
Visakhapatnam

Head of the Department

  
Principal

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

## Certificate from Intern Organization

This is to certify that **SOMADULA RAJASREE** Reg No **2013001086** of Mrs JKV COLLEGE, Hooshigattam, Underwent internship at **JUTE Private Limited**, Hooshigattam from 04.04.2023 to 04.07.2023 (90 HOURS).

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

Authorized Signatory \_\_\_\_\_ Date and Seal



Estd: 1860

## Acknowledgements

*It gives me an immense pleasure and pride to express my sincere gratitude and respect for my teacher and guide Sri. J.RAMA RAO Lecturer in POLITICAL SCIENCE ,*

*Mrs AVN COLLEGE, Visakhapatnam for his expert and inspiring guidance.*

*Also, I am very grateful to the head of the Department of POLITICAL SCIENCE , and the other faculty members of the POLITICAL 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 HCTE 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.*

*S. Ram Lakshmi*  
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 I: EXECUTIVE SUMMARY

### Data base Integration:-

I sought to acquire knowledge and practical exposure to integrating administration applications with databases through integrated applications with different database systems.

### Problem - Solving and Debugging:-

An essential aspect of the internship was a part of the development I encountered various challenges and bugs which provided me to analyze, identify and resolve issues. It also showed my ability

### Team collaboration:-

The internship provided an opportunity to develop constructive team work and collaboration skills working closely with the development team. I actively participated in all tasks and

## 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 internal 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.

## 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 1/04/23	Computer and its Advantages	Deant about the computer it's advantages and the basics	
Day -2 3/04/23	Peripherals	Deant about the devices <div style="display: inline-block; vertical-align: middle;"> <span style="font-size: 2em;">{</span> <div style="display: inline-block; vertical-align: middle; margin-left: 5px;">                     Input Output                 </div> </div>	
Day -3 4/4/23	CPU and memory	Deant about the CPU, ALU-CU	
Day -4 5/4/23	Brief descriptions about ROM	Learn about ROM Read only memory it's uses	
Day -5 6/4/23	Brief description about RAM	Random Access memory activate deactivate	
Day -6 7/4/23	RAM slots, Types PC Lab spend and capacity	Slot -> 1. S44 2. DIMM 3. RDRAM	

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

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 thread is modern CPUs are typically multicore, which means enhancing performance.
- Clock Speed: 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
- overchecking
- compatibility.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 8/4/23	Explanation of FDD, HDD, CDD	HDD-Principle Entered 1. IDE / ATA 2. SATA 3. SSD	
Day -2 10/4/23	Explanation of mother board panels	Panel & I-Base 1. Masse 2. Front of panels	
Day -3 11/4/23	1. Serial communication communication 2. parallel communication	one after another A bunch of data	
Day -4 12/4/23	Hard disk and its partitions	hard disk partitions secondary storage	
Day -5 13/4/23	student doubt clarification class	Attended	
Day -6 14/4/23	Estd: 1860 Lab	Lab	

**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 networks. Such area networks (LAN) s..
- 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 sets, images, audio, video, or binary data.
- Sockets and ports :- In network communication, sockets and ports are used to establish connection between computers
- client server model
- APIs and web services - Software Systems
- Inter-process communication
- Device communication.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief Description of The Daily Activity	Learning Outcome	Person In-Charge Signature
Day -1 15/04/2023	Small questionnaire on Topics	Attended	
Day - 2 17/04/2023	Explanation of operating system	Types of OS 1. Text mode 2. Graphical mode	
Day -3 18/04/2023	Types of operating system	→ Mother Board 2. RAM 3. memory	
Day -4 19/04/2023	Description about inside parts of the CPU	Learn about the central application in a system	
Day -5 20/04/2023	Architecture about CPU 1. ALU 2. CU 3. memory	Basics of the introduction of topic	
Day -6 21/04/2023	Lab	Lab	



**WEEKLY REPORT**  
WEEK - 3. (From Dt..... to Dt.....)

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 unit located within the CPU  
program counter, instruction register, accumulator
- memory management unit
- caches = 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 29/04/2023	Vivo on completed topics	understand about the shadow	
Day -2 1/5/2023	week Test	many topics	
Day -3 2/05/2023	microsoft office explanation	successfully Long about. want 1:50 p.m. thing.	
Day -4 3/05/2023	class on notepad	Learned about how to convert in May 2023	
Day -5 4/05/2023	class on notepad with short cut	Learned successfully how does power supply in the system	
Day -6 5/05/2023	Estd: 1860 Lab	Lab	