

# Official Certification

This is to certify that **BURIDI LAKSHMAN** Reg. No. **120130803029** has completed his/her Internship in **ICTE Private Limited, Visakhapatnam** on **SYSTEM ADMINISTRATION** under my supervision as a part of partial fulfilment of the requirement for the Degree of **B.COM(General)** in the Department of *Commerce* **Chemistry, Mrs AVN COLLEGE, Visakhapatnam.**


This is accepted for evaluation.

  
14/7/23  
(Signature, Date and Seal)

## Endorsements

*Renuka*  
  
Faculty Guide

  
Head of the Department

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

## Certificate from Intern Organization

This is to certify that **BERIDU LAKSHMAN** Reg. No. **120130803029** 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.



4  
14/7/23

*Authorized Signatory with Date and Seal*

## Acknowledgements

*It gives me an immense pleasure and pride to express my sincere gratitude and respect for my teacher and guide Mr.Dr.B.SURESH BABU Lecturer in TELUGU, Mrs AVN COLLEGE, Visakhapatnam for his expert and inspiring guidance.*

*Also, I am very grateful to the head of the Department of TELUGU, and the other faculty members of the TELUGU 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. E NAGESWARARAO for their constant support, encouragement and timely advice.*

*Signature of the student*

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## CHAPTER 1: EXECUTIVE SUMMARY

### Date base integration:

I sought to acquire knowledge exposure to integrating administration application with data bases. Though date base design, gateway optimization and writing administration date base API SE success fully integrated application with different date bas system.

### Problem - Solving debugging:

An essential aspect of the internship was - Improving my problem solving and debugging skill is - part of the development team I encountered various challenge and bugs which required me to analyze identify and resolve issues efficiently. This exposure sharpened my troubleshooting abilities.

### → Team Collaborations:

The internship provided an opportunity to develop effective team work and collaboration skills. Working closely with the development team I actively participated in meetings discussion and reviews allowing me to enhance my communication and team work abilities.

## 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

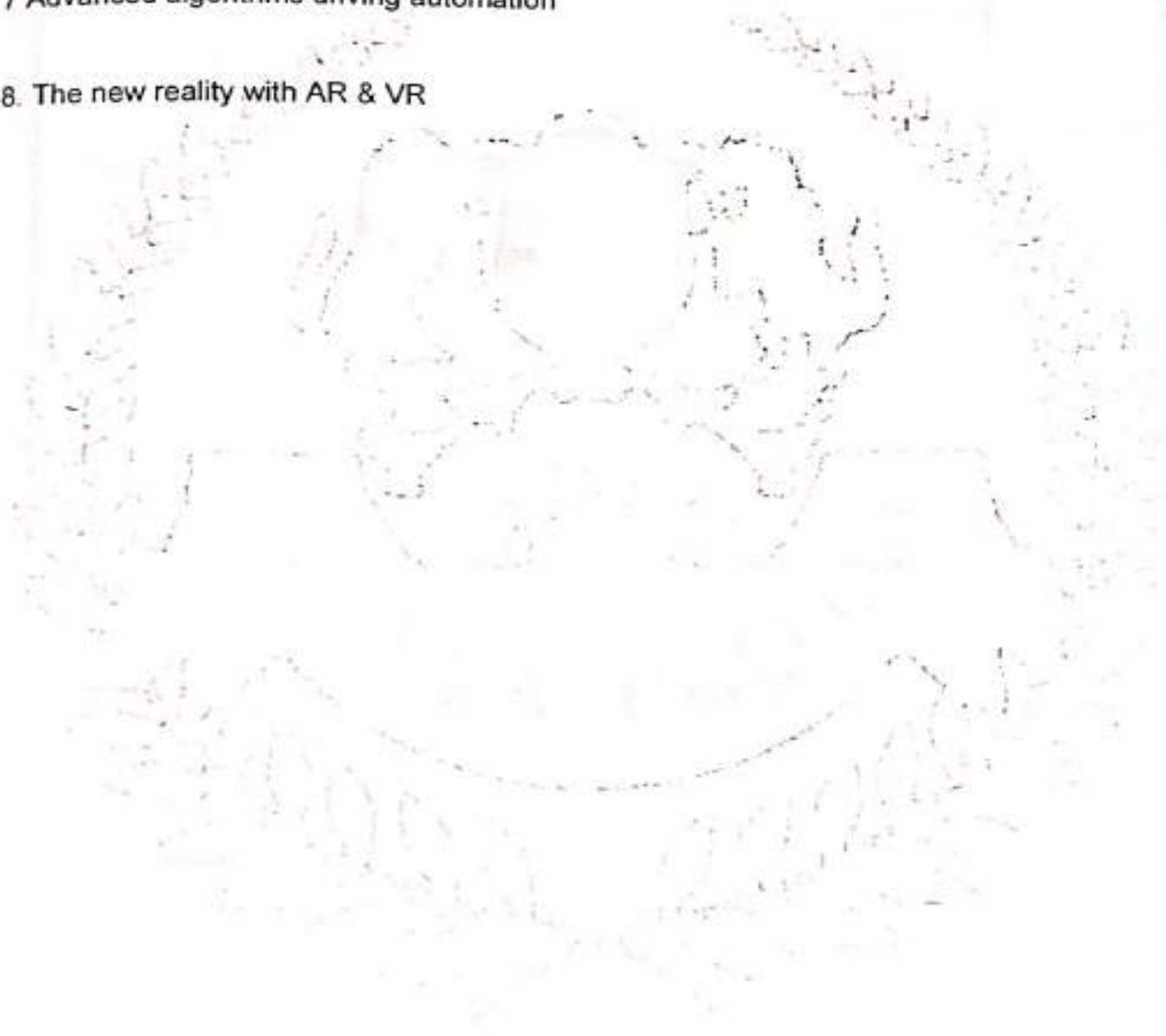
4. Blockchain technology

5. Cybersecurity

6. Introduction of new programming languages

7. Advanced algorithms driving automation

8. The new reality with AR & VR



WEEKLY REPORT  
WEEK - 1. (From DI 1/4/2022 to DI 07/04/2023)

Objective of the Activity Done: Control processing unit

Detailed Report:

- Crucial Component at 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
- multi core which means enhancing performance
- Clock Speed is CPU performance is often measured by its speed
- Cache is CPU have wait-in cache memory that stores frequently accessed data to reduce the time it
- instruction set Architecture
- Thermal Design power
- Compatibility

WEEKLY REPORT  
WEEK - 2. (From Dt. 8/4/23 to Dt. 14/4/2023)

Objective of the Activity Done: Communication

Detailed Report:

- Nature of Communication: Computers communicate with each other over network - sub area network (LAN)s
- protocols: Communication between computers often specific protocol which are set of rules and formats
- Data Formats: Data can be transmitted between computers in various formats such as text, images, audio, video or binary data.
- Socket and ports - In network communication, socket and ports are used to establish connections between computers
- Client - Server model
- APIs and web services - 3rd party 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 systems	The group of programme which are integrated	
Day -3 18/04/2023	Types of operating systems	Types of OS 1. Text mode 2. Graphical mode	
Day -4 19/04/2023	Description about inside parts of the CPU	→ Mother Board 2. RAM 2. memory	
Day -5 20/04/2023	Architecture about CPU 1. ALU 2. CU 3. memory	learned about the control of application system	
Day -6 21/04/23	Lab	Lab	

Objective of the Activity Done: Architecture about CPU

Detailed Report.

- Control unit = the Control unit manages execution of instructions
- Arithmetic Logic Unit (ALU) = the performs Arithmetic operation of data Logic Comparisons
- Registers = Registers and high-speed storage unit located within the CPU  
Program Counter Instruction Register  
Address Counter
- Memory management unit
- Caches - CPUs have multiple levels of cache memory and main memory (CPU)
- Instructions and main memory
- Bus interface sub-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 we	Based on the Introduction to Topics	
Day -2 24/4/23	week Test	we learnt about the week chat	
Day -3 25/4/23	Microsoft office explanation	it is the largest soft ware	
Day -4 26/4/23	Class note pad	understand the process of using it	
Day -5 27/4/23	class on Note post with shortcuts	understand the shortcut used in the note pad	
Day -6 28/4/23	Lab	Lab	



Objective of the Activity Done: M.S office

Detailed Report:

- Collection of Software programs that are widely in various professional and personal settings.
- M.S word: A word processing application used for creating and editing documents spell checking.
- M.S. excel: A spreadsheet programs used for organising, organising and manipulating various data.
- M.S. powerpoint: A presentation software used for creating slides to delivering presentations.
- M.S. Outlook: An email and personal information management - Conduct type.
- Ms. Access: data base management.
- M.S. One note: Users to create organize share notes.

Objective of the Activity Done: SMT (Surface mount Technology)

Detailed Report:

- SMT vs Through - Hole Technology SMT replaced the older through - hole Technology. electronic components are mounted on the PCBs.
- Component packaging - SMT come in various package that specifically designed for surface mounting.
- miniaturizing any electronic SMT enable the miniaturization to electronics devices by reducing the size compare its PCB.
- high speed and high density SMT Technology enable the creation of high speed and data based close computer network.
- Automated Assembly: SMT is highly compatible with automated production machinery it is suitable for PCB.
- Improved electrical performance.

WEEKLY REPORT  
WEEK - 6. (From Dt 16/5/23 to Dt 22/5/23.....)

Objective of the Activity Done: microsoft office

Detailed Report:

- processing application developed by microsoft as part of the ms office suite
- Document Creation: microsoft word allows you to create various types of documents
- Formatting and Styling: word offers a comprehensive set of formatting options to customize the appearance of your documents
- page layout and design: word provides tools for managing page layout and design you on set page margins
- Collaboration and Reviewing: word include feature for collaboration and reviewing document
- Spell checking and grammar: word included built spell and help you identify
- Template and this is
- mail merge
- integrative with office apis

WEEKLY REPORT  
WEEK - 7. (From Dt 12/5/23 to Dt 19/5/2023...)

Objective of the Activity Done: user Creation

Detailed Report:

- process to setting up for user account to include its access
- User account setup: to create a user account and administrative control panel system - preferences command line tools
- User information → User creating a user accounts creation information is typically required including the users full name
- User name the system it is used to login to the within the system it is used to log in to computer or network.
- password → used to authenticate the user's identity and secure the user account
- User permissions and privileges → During user creations
- User group → User account can be organized into into groups.