

Official Certification

This is to certify that **PATIBANDLA VISWANADH** Reg. No. **720130805304** has completed his/her Internship in **ICTE Private Limited, Visakhapatnam** on **Library Management System Project** under my supervision as a part of partial fulfilment of the requirement for the Degree of **B.Sc (MATHEMATICS, ELECTRONICS, COMPUTER SCIENCE)** in the Department of **Chemistry, Mrs AVN COLLEGE, Visakhapatnam.**

This is accepted for evaluation.



(Signatory with Date and Seal)

Endorsements

D. Sankar K

Faculty Guide

D. Sankar K
21/7/20
Head of the Department of
Electronics and Computer Science
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM-530001

Principal
PRINCIPAL
Mrs. A.V.N. COLLEGE 5
VISAKHAPATNAM

Estd: 1860

LONG TERM INTERNSHIP

Project report submitted

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

BACHELOR OF SCIENCE

By

PATIBANDLA VISWANADH

(Reg. No: 720130805304)

Under the Esteemed Guidance of

D. SANTHOSH KUMAR

(Lecturer in Computer Science)

D. SANTHOSH KUMAR

Head of the Department

Department Name



Mrs. A.V.N.College

(Affiliated to Andhra University)

Visakhapatnam-530001

2022-2023

Andhra University

YEAR 2022-2023

An Internship Report on
LIBRARY MANAGEMENT SYSTEM
PROJECT
ON
JAVA

*Submitted in accordance with the requirement for the degree of
B.Sc (MATHEMATICS, ELECTRONICS, COMPUTER SCIENCE)*

Under the Faculty Guideship of

Sri. D. SANTHOSH KUMAR

Department of Computer science

Mrs AVN COLLEGE

Visakhapatnam.

Submitted by:

PATIBANDLA VISWANADH

Reg. No: 720130805304

Department of Computer science

Mrs AVN COLLEGE
VISAKHAPATNAM

Visakhapatnam.

Student's Declaration

I, **PATIBANDLA VISWANADH** a student of *B.Sc (MATHEMATICS, ELECTRONICS, COMPUTER SCIENCE)* Program, Reg. No. 720130805304 of the Department of 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 Guideship of **Sri. SANTHOSH KUMAR**, Department of Computer science, **Mrs AVN COLLEGE, Visakhapatnam.**


(Signature and Date)

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This is accepted for evaluation.



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Endorsements

D. Sankar

Faculty Guide

D. Sankar

Head of the Department of
Physics, Electronics and Computer Science
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM-530001

Principal
PRINCIPAL
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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.

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 1-4-23	Explains about Java	Java support functional or structured programming methods as well as oop	
Day - 2 3-4-23	Explains about Java programming concepts	Java is a dynamic notes oriented language	
Day -3 4-4-23	Explains about History of Java	Java was created by Guido van Rossum	
Day -4 5-4-23	Explains about features of Java	Java is installed it should show up as the best match.	
Day -5 6-4-23	Explains about features of Java	free & open source, easy to code object oriented language	
Day -6 7-4-23	Explains about difference b/w C++ and Java.	Java supports object oriented language	

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

Objective of the Activity Done:

To learn about objects and classes with examples.

Detailed Report: Defining a class :-

A class is user-defined data type with a template that serves to define its class type has been defined we can create "variables" of that type using similar to the basic type declarations. In Java, these variables are termed as instances of classes, which are the actual objects. The basic form of a class definition is

```
class classname [extends superclassname]
```

```
{  
    [fields declarations];  
    [methods declarations];  
}
```

3

Creating objects :-

objects in java are created using a new operator. The new operator creates an object of the specified class and returns a reference to the object. Syntax to create an object is as follows:-

```
classname objectname = new classname();
```

Here, objectname is a valid identifier, classname is for which class we are going to create the object.

WEEKLY REPORT
WEEK - 15. (From Dt. 9/7/23 to Dt. 14/7/23.....)

Objective of the Activity Done:

Introduction on project
Library Management System:-

Detailed Report:

Introduction:-

Libraries are repositories of knowledge they contain books, periodicals, journals and magazines, newspapers for education and reference. Librarians who systematically catalogue store and display these items. Generally librarians work would involve acquiring organizing and making available this information to the users of library.

Library users take books from librarians by giving their name roll numbers, and they refer the papers and magazines in library only.