**PROJECT SYNOPSIS**

On

**“Parking Management System”**

SIX MONTHS INDUSTRIAL TRAINING

At

**INFOWIZ Software Solution, Bathinda**

(Jan 2018 – June 2018)

***Submitted By***

**Name, Roll No**

***In partial fulfillment for the award of the degree***

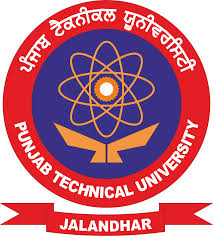
***Of***

**Bachelor of Technology**

**IN**

**COMPUTER SCIENCE ENGINEERING**

**College Name**



**Punjab Technical University, Jalandhar**

**(Jan 2018)**

**Table of Contents**

|  |  |  |
| --- | --- | --- |
| Sr. No. | PHASES | Pages |
| 1. | Company profile | 4 weeks |
| 2. | Project overview | 6 weeks |
| 3. | Technology used | 7 weeks |
| 4. | REFERANCE | 4 weeks |

**COMPANY PROFILE**

**INFOWIZ** is a nationally recognized IT company which is committed to provide highly customized integrated IT solution to clients and also renowned for superior training programs delivered by an enviable team of qualified experts and highly experienced trainers.

INFOWIZ is a 8 years young organization which has won the NATIONAL AWARD for 2 consecutive years 2014-15 and 2015-16 for BEST Industrial Training from Hon’able GOVERNOR of Punjab and Haryana Sh. Kaptan Singh Solanki. INFOWIZ is a member of Confederation of Indian Industry (CII membership number- N4654P) and also with an ISO Certification which has been working in the field of CSE, IT, ECE, MECHANICAL, CIVIL and EE, BBA & MBA.

Our skilled team of professionals make sure that the product is developed as per the customer’s needs and keeping the customer informed about the development of their project from time to time.In INFOWIZ our Research & Development arm offers SEO tools for SEM professionals.

INFOWIZ also provides Technical Support & Consultancy to Software Companies like JIA Group, Newzealand, Sagitech solutions Panchkula, Jarc infotech Mohali, Infonet Solution, Delhi etc.

**Company Strategy**

Purpose :- To be a leader in IT industry by providing enhanced services relationships and profitability. We continuously strives to deliver exceptional services and achieve excellent results throughout different sectors.

**Our Mission**

To grow through creativity invention and innovation and to build long term relationships with our clients and provide exceptional customer services by pursuing business through innovation and advances technology.

**TECHNOLOGY TO USED:**

**JAVA:**

* In 1990, Sun Microsystems Inc. (US) was conceived a project to develop software for customer electronics devices that could be controlled by a remote. This project was called Stealth Project but later its name was changed to Green Project. In 1991, Bill Joy, James Gosling, and several others met in Aspen, Colorado to discuss this project. James Gosling was to identify the proper programming language for the project. Gosling thought C and C++ could be used to develop the project. But the problem they faced with them is that they were system dependent languages and hence could not be used on various processors, which the electronic devices might use. So started developing a new language, which was completely system independent. This language was initially called Oak. Since this name was registered by some other company, later it was changed to Java.

**Parts of Java:**

* Sun Microsystems Inc. has divided Java into 3 parts-Java SE, Java EE and Java ME.

**Java SE:**

* It is the Java Standard Edition that contains basic core Java classes. This edition is used to develop standard applets and applications.

**Java EE:**

* It is the Java Enterprise edition and it contains classes that are beyond Java SE. In fact, we need Java SE in order to use many of the classes in Java EE. Java EE mainly concentrates on providing business solutions on a network.

**Java ME:**

* It is the Java Micro Edition. Java ME is for developers who develop code for portable devices, such as a PDA or a cellular phone. Code on these devices needs to be small in size and should take less memory.

**Java Virtual machine:**

As we know that all programming language compilers convert the source code to machine code.Same job done by Java Compiler to run a Java program, but the difference is that Java compiler convert the source code into Intermediate code is called as bytecode. This machine is called the Java Virtual machine and it exits only inside the computer memory.



1. NETBEANS:- Net Beans is a [software development](https://en.wikipedia.org/wiki/Software_development) platform written in [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29). The Net Beans[Platform](https://en.wikipedia.org/wiki/Platform_%28computing%29) allows applications to be developed from a set of modular [software components](https://en.wikipedia.org/wiki/Software_component) called *modules*. Applications based on the Net Beans Platform, including the Net Beans[integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE), can be extended by [third party developers](https://en.wikipedia.org/wiki/Third_party_developer).



**PROJECT OVERVIEW**

**INTRODUCTION:**

The project entitled Automated Car Parking system is to managethe car parking bay. This software help the company to track all thecars, car location, car in and car out details, apart from this it also helpin accounting. Using this software we can track total amount collectedfor each day.

**PROJECT:**

Automated Car Parking system is a software application softwareto track car bay vacant positions in the multistoried buildings.

Software have the provision to collect all the details of each car came to parking in time, out time, amount etc.

**OBJECTIVE:**

There are several advantages of employing a car park system forurban planners, business owners and vehicle drivers. They offerconvenience for vehicle users and efficient usage of space for urban!based companies. Automated car park systems save time, money,space and simplify the often tedious task of park

**SCOPE:**

Automatic multistoried car parking system helps to minimi"e thecar parking area.

In the modern world, where parking!space hasbecome a very big problem,

it has become very important to avoid thewastage of space in modern big companies and apartments etc.

In places where more than 100 cars need to be parked, this systemproves to be useful in reducing wastage of space. This Automatic CarParking system enables the parking of vehicles,

floor after floor and thus reducing the space used.

**Module:--**

1.Admin

2. User

1**. Admin:**

Can add/view/delete vehicle

Can logout

2. **User**

Can add/view vehicle

**HARDWARE REQUIREMENTS:**

* **Processor:** Intel dual core or above
* **Processor Speed:**1.0GHZ or above
* **RAM:** 1 GB RAM or above
* **Hard Disk:** 20 GB hard disk or above

**SOFTWARE REQUIREMENTS:**

* **Language:** Java Application
* **Database:** My SQL

**REFERANCE**

1. http://www.javatpoint.com/java-oops-concepts

2. http://docs.oracle.com/javase/tutorial/java/concepts

3. http://www.tutorialspoint.com/java/java\_overview.html

4. http://tutorials.jenkov.com/java/core-concepts.html

5. Java Programming Language

6. Thinking in Java

7. Java The Complete Reference

8. https://www.youtube.com/results?search\_query=java+core