VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018,

Karnataka

INTERNSHIP

REPORT

ON

"Template on Gym training"
Submitted in partial fulfilment for the award of degree(18ECI85)

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by:

KARTHAVYA JAYA G J

1OX19EC028

THE OXFORD COLLEGE OF ENGINEERING
Department of Electronics and communication Engineering
Accredited by AICTE
Bangalore, Karnataka.

THE OXFORD COLLEGE OF ENGINEERING
Department of Electronics and communication Engineering
Bangalore, Karnataka.

CERTIFICATE

This is to certify that the Internship titled **"Template-Online resume creator website"** carried out by **Mr Dhanush Reddy S,** a bonafide student of **The oxford college of engineering**, in partial fulfilment for the award of **Bachelor of Engineering**, in **Electronics and communication engineering** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respectof the Internship prescribed for the course Internship / Professional Practice (18ECI85)

Signature of Guide
Principal

Signature of HOD

Signature of

External Viva:

Name of the Examiner

Signature with Date

1)_____

2)_____

D E C L A R A T I O N

I, **KARTHAVYA JAYA G J** final year student of Branch, **The oxford college of engineering**, declare that the Internship has been successfully completed, in **VARCONS TECHNOLOGIES**. This report is submitted in partial fulfilment of the requirements for the award of a Bachelor's Degree in Computer Science Engineering, during the academic year 2022-2023.

Date:24-09-2022

:

Place: Bangalore

USN: 1OX19EC028

NAME: KARTHAVYA JAYA G J

ACKNOWLEDGEMENT

This Internship is a result of the accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We express our sincere thanks to our Principal- Dr Prakash for providing us adequate facilities to undertake this Internship.

We would like to thank our Head of Dept – Anand S Uppar for providing us with an opportunity to carry out the Internship and for his valuable guidance and support.

We would like to thank our Mrs Laya Tojo Software Services for guiding us during the period of internship.

We express our deep and profound gratitude to our guide, Assistant/Associate Prof, for t h e i r keen interest and encouragement at every step in completing the Internship.

We would like to thank all the faculty members of our department for the support extended during the course of the Internship.

We would like to thank the non-teaching members of our dept, for helping us during the Internship.

Last but not the least, we would like to thank our parents and friends without whose constant help, the completion of Internship would have not been possible.

KARTHAVYA
JAYA G J

1OX19EC028

ABSTRACT

Abstract of the Project Gym Management System: Gym Management System is an online service that can be setup for yourgym to help manage classes, memberships, receive payments (merchant andcash), keep track with detailed statistics, customer management, surveys and iteven has an online store so you can sell products to your customers.

☻Its simple, it's effective and it's the way customers want their gym!

☻Here is our feature list which is continually growing:

☻Manage customers

☻Manage customer health question forms

☻Manage customer surveys

☻Screenshot of Customer Options

☻Complete site statistics (graphs) membership lists

☻Screenshot of User Statistics graphs

☻Complete payment statistics with downloadable content to excel andcsv file format.

☻Export functions; to download customer details to create mailing lists,databases…

☻Manage your trainers and class schedules.

☻Class management

☻Create recurring classes and class types

☻Create multiple locations and trainers

☻Create plans & passes

☻Manage customer barcode/RFID/membership cards for customers.

☻Customers can see their own statistics and payment history. CompleteOnline Store for your products, membership plans & passes.

Table of Contents

CHAPTER 1
• COMPANY PROFILE

A Brief History of Varcon Technologies

Varcon Technologies, was incorporated with a goal" To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is a different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on client's requirements and provide them with tailor made technological solutions.They also understand that Reach of their Product to its targeted market or the automation of the existing process into e-client and simple process are the key features that our clients desire from Technological solutions they are looking for and these are the features that we focus on while designing the solutions for their clients.

Sarvamoola Software Services. is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Sarvamoola Software Services. specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients' requirements.

Compsoft Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Compsoft Technologies work with their clients and help them to define their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the

brainstorming session, and here they position themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achievenew heights of success. It helps Improve its efficiency, profitability, reliability; to put itin one sentence " Technology helps you to Delight your Customers" and that is what we wantto achieve.

CHAPTER 2

- ## ABOUT THE COMPANY

Varcon Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Compsoft Technologies specialize in ERP, Connectivity, SEO Services, Conference Management, effective webpromotion

and tailor-made software products, designing solutions best suiting clients requirements. The organization where they have a right mix of professionals as a stakeholder to help us serve our clients with best of our capability and with at par industry standards.They have young, enthusiastic, passionate and creative Professionals to develop technological innovations in the field of Mobile technologies, Web applications as well as Business and Enterprise solution. Motto of our organization is to "Collaborate with our clients to provide them with best Technological solution hence creating Good Present and Better Future for our client which will bring a cascading a positive effect in their business shape as well". Providing a Complete suite of technical solutions is not just our tag line, it is Our Vision for Our Clients and for Us, we strive hard to achieve it.

Products of Varcon Technologies.

Android Apps

It is the process by which new applications are created for devices running the Android operating system. Applications are usually developed in Java (and/or Kotlin; or other such option) programming language using the Android software development kit (SDK), but other development environments are also available, some such as Kotlin support the exact same Android APIs (and bytecode), while others such as Go have restricted API access.

The Android software development kit includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and zutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, and Windows 7 or later. As of March 2015, the SDK is not available on Android itself, but software development is possible by using specialized Android applications.

Web Application

It is a client–server computer program in which the client (including the user interface and client- side logic) runs in a web browser. Common web applications include web mail, online

retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript, which are supported by a variety of web browsers. Web applications can beconsidered as a specific variant of client–server software where the client software is downloaded to the client machine when visiting the relevant web page, using standard

procedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, and acts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specified usecase. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program.

Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a "smart" client that performs all the work and queries a "dumb" server, or a "dumb" client that relies on a "smart"server. The client would handle the presentation tier, the server would have the database (storage tier), and the business logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn"t allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry.

Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run.

Web design

It is encompassing many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and

search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark

up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating mark up then they are also expected to be up to date with web accessibility guidelines. Web design partially overlaps web engineering in the broader scope of web development.

Departments and services offered

Varcon Technologies plays an essential role as an institute, the level of education, development of student's skills are based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Compsoft Technologies gives you the facility of skilled employees so that you do not feel unsecured aboutthe academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Compsoft Technologies always tries to give you the best.

They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skill development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

Services provided by Varcons Technologies.

• Core Java and Advanced Java

• Web services and development

• Dot Net Framework

• Python

• Selenium Testing

• Conference / Event Management Service

• Academic Project Guidance

• On The Job Training

• Software Training

CHAPTER 3

INTRODUCTION

Introduction to Gym Training

Introduction of the Gym Management System: Our Gym Management Software is a gym and health club membershipmanagement system. You can keep records on your members, their memberships,and have quick and easy communication between you and your members. GymManagement also includes a booking system, point of sale, banking, accounting,concessions and has a range of reports that help in the management of your club.Our Gym Management Software is a complete gym and recreation facilitysystem program which looks after all of your members, memberships and activities.It is designed for gyms, recreation centers, and health clubs.Our Gym management Software provides lots of functions such data entry ofcustomer, keeping records of all the things about customer's fees, plan, andphysical fitness which help to provide good quality of services to customer fromGym managers.In this proposed system also provide the total information about machineryand data of coaches is also stored in it. Services provided by Gym are also handledby this system.This system structure is become very simple to understand because of DataFlow Diagram provided by us. Context level Diagram and Some chart are alsoavailable in this case study. The demo of using the software such as customerdetail form, data base of software is also provided by us.

CHAPTER 4

Objective of the Gym Management System:

🕐The main objective of the project is to develop software that facilitates thedata storage, data maintenance and its retrieval for the gym in an igneous way.
🕐To store the record of the customers, the staff that has the privileges toaccess, modify and delete any record and finally the service, gym provides to its customer.
🕐Also, only the staff has the privilege to access any database and make therequired changes, if necessary.
🕐To develop easy-to-use software which handles the customer-staffrelationship in an effective manner.
🕐 To develop a user friendly system that requires minimal user training. Most of features and function are similar to those on any windows platform

Limitation of Existing System:

⌚The existing System such as Gym Master is not as much as user (Customer)friendly as compare to our Proposed System.

⌚The communication with members is not well in Existing System because allthe data is handled by Gym manager.

⌚Customers don't get full accessibility to Gym center and all permissions areallowed only for Gym manager.

⌚Today's System cannot take effort out of finances and debt collection.

⌚Today's systems are time taking software and cannot be easily install inOperating System like Linux , Vista , Mc-OS, and Novel. And also needhigh configuration of PC. Normal PC's cannot install in it.

⌚Lot of memory space is required for installing existing software.

⌚ Existing Gym management software cannot perform all operationexpected by manager such as keeping record of machinery maintenanceand service data.

SYSTEM ANALYSIS INTRODUCTION TO SYSTEM ANALYSIS

System analysis is a process of gathering and interpreting facts, diagnosingproblems and the information to recommend improvements on the system. It is aproblem solving activity that requires intensive communication between the systemusers and system developers. System analysis or study is an important phase ofany system development process. The system is studied to the minutest detail andanalyzed. The system analyst plays the role of the interrogator and dwells deep intothe working of the present system. The system is viewed as a whole and the inputto the system are identified. The outputs from the organizations are traced to thevarious processes. System analysis is concerned with becoming aware of theproblem, identifying the relevant and decisional variables, analyzing andsynthesizing the various factors and determining an optimal or at least asatisfactory solution or program of action. A detailed study of the process must bemade by various techniques like interviews, questionnaires etc. The data collectedby these sources must be scrutinized to arrive to a conclusion. The conclusion is anunderstanding of how the system functions. This system is called the existingsystem. Now the existing system is subjected to close study and problem areas areidentified. The designer now functions as a problem solver and tries to sort out thedifficulties that the enterprise faces. The solutions are given as proposals. Theproposal is then weighed with the existing system analytically and the best one isselected. The proposal is presented to the user for an endorsement by the user.The proposal is reviewed on user request and suitable changes are made. This isloop that ends as soon as the user is satisfied with proposal. Preliminary study isthe process of gathering and interpreting facts, using the information for furtherstudies on the system. Preliminary study is problem solving activity that

requiresintensive communication between the system users and system developers. It doesvarious feasibility studies. In these studies a rough figure of the system activitiescan be obtained, from which the decision about the strategies to be followed foreffective system study and analysis can be taken

5. To upgrade system's reliability, availability, flexibility and growth potential.

CHAPTER 5

IMPLEMENTATION

Implementation and Software Specification Testings Detailed Design of Implementation This phase of the systems development life cycle refines hardware and softwarespecifications, establishes programming plans, trains users and implementsextensive testing procedures, to evaluate design and operating specificationsand/or provide the basis for further modification.Technical Design This activity builds upon specifications produced during new system design, adding detailed technical specifications and documentation.Test Specifications and Planning This activity prepares detailed test specifications for individual modules and programs, job streams, subsystems, and for the system as a whole.Programming and Testing This activity encompasses actual development, writing, and testing of program units or modules.User Training This activity encompasses writing user procedure manuals, preparation of user training materials, conducting training programs, and testing procedures.Acceptance Test A final procedural review to demonstrate a system and secure user approval before a system becomes operational

Installation Phase In this phase the new Computerized system is installed, the conversion to new procedures is fully implemented, and the potential of the new system is explored.System Installation The process of starting the actual use of a system and training user personnel in its operation.Review Phase This phase evaluates the successes and failures during a systems developmentproject, and to measure the results of a new Computerized Transystem in terms ofbenefits and savings projected at the start of the project.Development Recap A review of a project immediately after completion to find successes and potential problems in future work.Post-Implementation Review A review, conducted after a new system has been in operation for some time,

toevaluate actual system performance against original expectations and projectionsfor cost-benefit improvements. Also identifies maintenance projects to enhance orimprove the system.THE STEPS IN THE SOFTWARE TESTING The steps involved during Unit testing are as follows:a. Preparation of the test cases.b. <u>Preparation of the possible test data with all the validation checks.</u>

CHAPTER 6

CONCLUTION

The "**Templet for Gym**" has been successfully completed. The goal of the system is achieved and problems are solved. The package is developed in a manner that it is user friendly and required help is provided at different levels. The project can be easily used in the process of decision making. Different types of reports can be generated which help the management to take correct decision and reduce the time delay which automatically increases the company's work standards as well as the economical state of the company. This system never decreases the manpower but helps the development of available manpower and optimizes the manpower by which company's standards and capabilities can be scaled to higher dimensions. The package was designed in such a way that future modifications can be done easily.

The following conclusions can be deduced from the development of the project:

- Automation of the entire system improves the efficiency

- It provides a friendly graphical user interface which proves to be better when comparedto the existing system.

- It gives appropriate access to the authorized users depending on their permissions.

- It effectively overcomes the delay in communications.

- Updating of information becomes so easier

- System security, data security and reliability are the striking features.

- The System has adequate scope for modification in future if it is necessary.

• **REFERENCE**

Referred Online.

Websites: www.YouTube.com
              www.google.com
              www.github.com

SQL School: http://www.w3schools.com/sql

MSDN: http://msdn.microsoft.com