VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI - 590018, Karnataka

INTERNSHIP REPORT

ON

"Template-Personal Blog"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING IN

CSE

Submitted by:

MISHAL BHARTI

1HK19CS083



Conducted at

SAIN INFORMATIX Pvt Ltd



HKBK COLLEGE OF ENGINEERING Department of Computer Science of engineering

No.22/1, Opposite, Manyata Tech Park Rd, Vyalikaval Society, Vyalikaval HBCS Layout, Nagavara, Bengaluru, Karnataka 56004

HKBK COLLEGE OF ENGINEERING Department of Computer Science of engineering

No.22/1, Opposite, Manyata Tech Park Rd, Vyalikaval Society, Vyalikaval HBCS Layout, Nagavara, Bengaluru, Karnataka 56004



CERTIFICATE

This is to certify that the Internship titled "Template-Presonal Blog" carried out by Mr. Mishal Bharti, a bonafide student of Hkbk College of Engineering, in partial fulfillment for the award of Bachelor of Engineering, in CSE 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 academ | ic requirements in respect | |
|--|-------------------------------------|----------------------------|--|
| of Internship prescribed for the course Internship / Professional Practice (18CSI85) | | | |
| Signature of Guide | Signature of HOD | Signature of Principal | |
| External Viva: | | | |
| Name of the Examiner | | Signature with Date | |
| 1) | | | |
| | | | |
| 2) | | | |

DECLARATION

I, **Mishal Bharti** final year student of CSE, Hkbk College of Engineering - 560 045, declare that the Internship has been successfully completed, **SAIN INFORMATIX Pvt Ltd**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Computer Science of Engineering, during the academic year 2022-2023.

Date: 03-10-2022 :

Place: Banglore

USN: 1HK19CS083

NAME: MISHAL BHARTI

OFFER LETTER PROVIDED BY THE COMPANY

Internship Offer Letter



Date: 2nd September, 2022

Name: Mishal Bharti USN: 1HK19CS083

Dear Student,

We would like to congratulate you on being selected for the Full Stack Web Development Internship position with Sain Informatix Pvt Ltd, effective Start Date 2nd September, 2022, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of Full Stack Web Development through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!.

Sincerely,

Santha

Product Manager Sain Informatix Pvt Ltd Bangaluru, India ACKNOWLEDGEMENT

This Internship is a result of 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, for providing us adequate facilities to

undertake this Internship.

We would like to thank our Head of Dept – CSE, for providing us an opportunity to carry out

Internship and for his valuable guidance and support.

We would like to thank our (Lab assistant name) Software Services for guiding us during the

period of internship.

We express our deep and profound gratitude to our guide, Guide name, Assistant/Associate

Prof, for her 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 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.

NAME: MISHAL BHARTI

USN: 1HK19CS083

Internship report 2022-2022 5

ABSTRACT

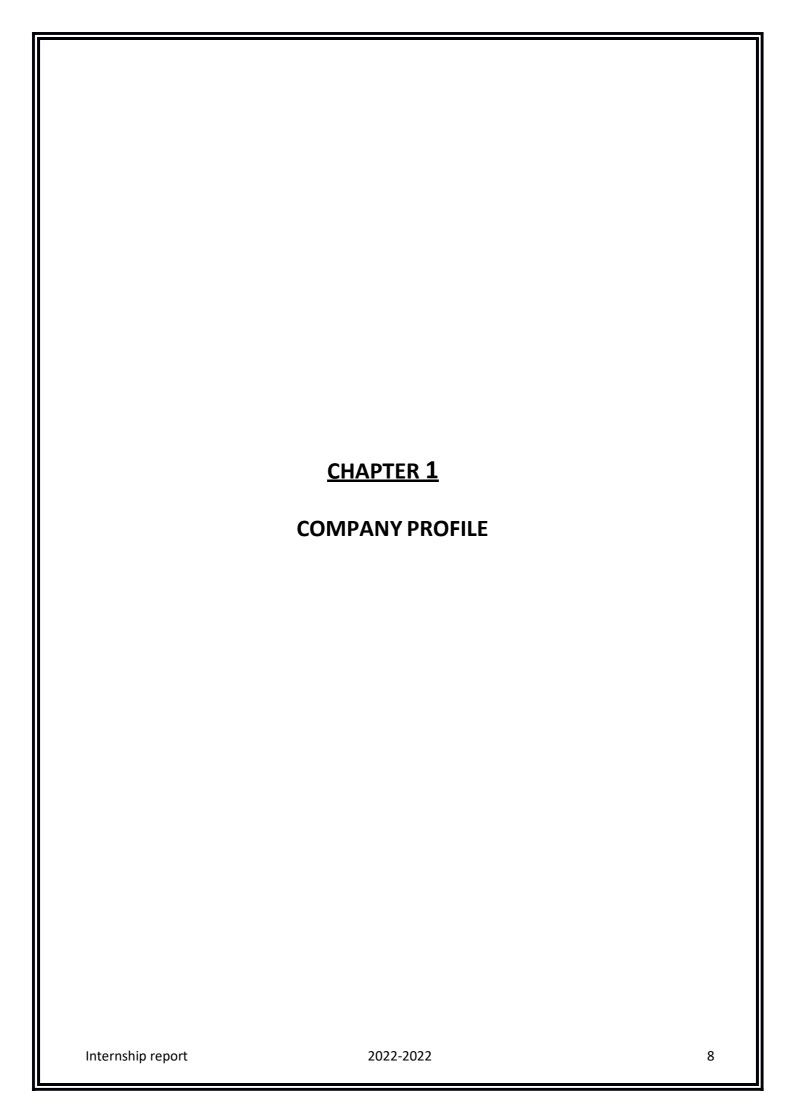
- ReactJS is a part based library which is conveyed for the advancement of intelligent UIs. Presently it is the most famous front-end JS library. It consolidates the view (V) layer in M-V-C (Model View Controller) design
- . It is bolstered by Facebook, Instagram and a network of individual designers and associations. Respond fundamentally empowers advancement of enormous and complex online applications which can change its information without ensuing page revives.

It focuses to furnish better client encounters and with blasting quick and powerful web applications advancement. ReactJS can likewise coordinated with other JavaScript libraries or structures in MVC, for example, AngularJS.

Key Words: Application development, React, ReactJS, MVC, virtual DOM, Front-end development.

TABLE OF CONTENTS

| SI no | Description | Page no |
|-------|-----------------------------|---------|
| 1 | Company Profile | |
| 2 | About the Company | |
| 3 | Introduction | |
| 4 | System Requirement Analysis | |
| 5 | Requirement Analysis | |
| 6 | Implementation | |
| 7 | Snapshots | |
| 8 | Conclusion | |



1. COMPANY PROFILE

A Brief History of Sain Informatix Pvt Ltd

Sain Informatrix Pvt Ltd 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 webpromotion and tailor-made software products, designing solutions best suiting clients requirements.

The company has 2 directors and no reported key management personnel

The longest serving directors currently on board are Menasinkai Mohan Trilok and Trinetra who were appointed on 18 August, 2020. They have been on the board for 2.126027397260274 years and 0.0 months.

Tofler Company network is a powerful feature that allows you to explore and discover common directorships between companies. It helps you find out other directorships of an Indian director and where else he has business interests. The feature is available for unlimited use in Company360 platform. Here is the video showing how you can explore company networks to discover hidden relationships between companies.

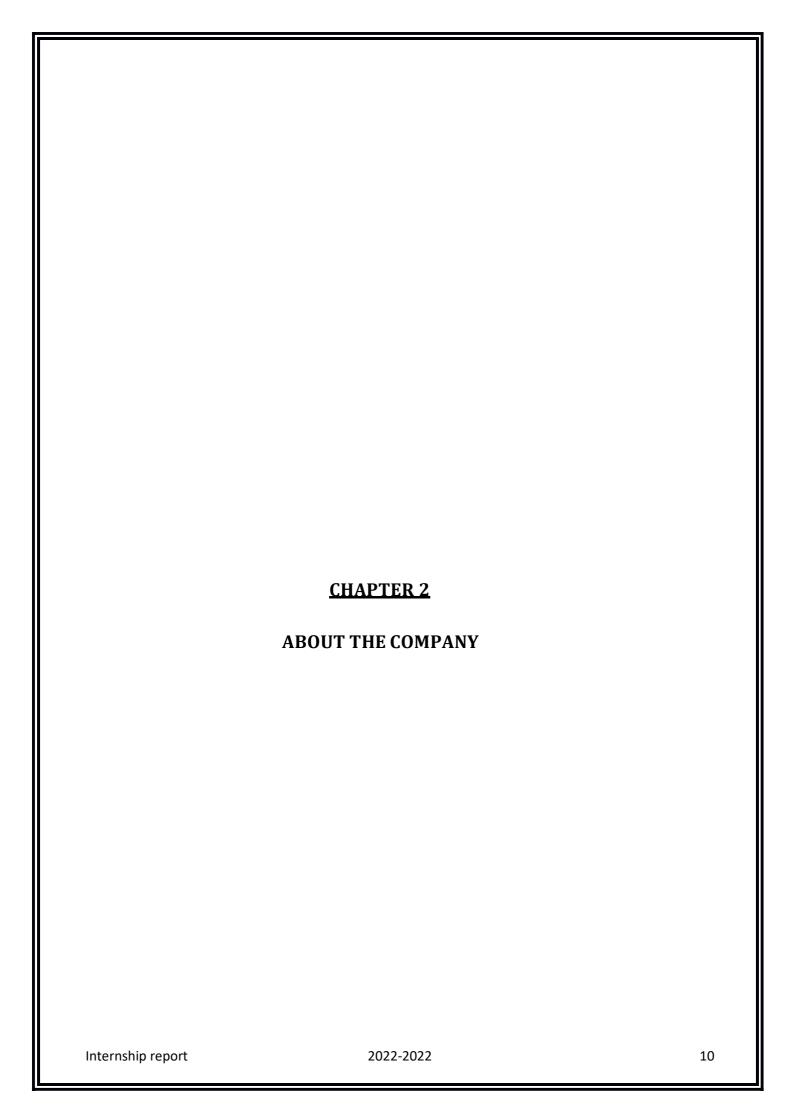
Sales is not only selling your products & services but also building loyalty and trust between customer and business. Mr. Gaurav Bhagat, 10X sales coach, shares the ways of achieving sustainable sales, ways of approaching & following up with prospects, finding the ways to stay motivated in sales and more.

Tofler has no financial reports to provide on this company due to unavailability of financial information. There could be two likely reasons for that.

One, the company is not active and operating under this name (please check status mentioned below the company name). This could be because it was closed, merged, struck off or is in the process of closing.

Second, it was very recently formed (please check incorporation date) and financial information is not available yet.

You could, however, see its basic information and its directors by scrolling down.



2. ABOUT THE COMPANY



Sain Informatix 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, Sain Informatix specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements. The organization where they have a right mix of professionals as a stakeholders 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 Sain Informatix.

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 softwaredevelopment 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 specifific 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 specifified 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 encompasses 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 frontend (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

Sain Informatix 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 Sain Informatix gives you the facility of skilled employees so that you do not feel unsecured about the academics.

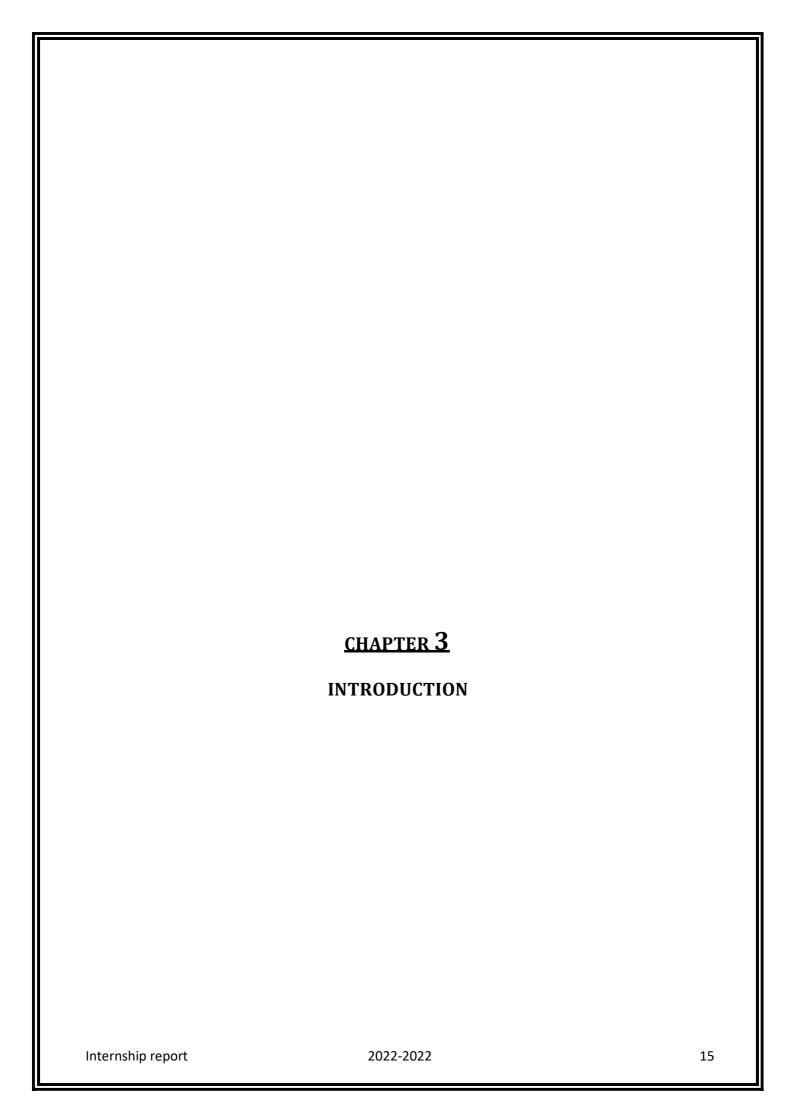
Personality development and academic status are some of those things which lie on mentor's hands.

If you are trained well then you can do well in your future and knowing its importance of Sain Informatix 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 Sain Informatix.

- 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



3. INTRODUCTION

Introduction to Web Apps

Web applications are similar to the traditional applications you'd install on your Information, such as Microsoft Office. They are able to perform the same kinds of tasks, they look the same and they feel the same but there is one key difference - the application itself is not installed on your phone or Information, but lives in the cloud. Web apps are not new, but it used to be that they were often unable to compete with more traditional applications for business critical functions or where rich user interaction was required. This is no longer the case. With the power of modern web technologies, we are able to design and build performing, secure, and feature rich applications that live in the cloud and bring with them a huge number of benefits.

1. They can be accessed from anywhere.

- Because web applications are built with web technologies and they run in a web browser Internet Explorer, Google Chrome, Mozilla Firefox – this allows them to be accessed from every web enabled tool. As long as you have an internet connection you can use them.
- It allows for remote working, it allows for rapid publishing of content, it allows for real time collaboration between teams. If you have web access, you have the ability to access your business tools.
- 2. They are cost effective.
- Web applications are cheaper to produce and maintain than traditional applications. No matter how many platforms your business uses (Mac, Linux, Windows) web application build can be used across them all.
- 3. They benefit from more rapid update cycles.
- A huge benefit of web applications is that when an update is released, all of your users are immediately using that version. This doesn't happen with installed

 applications, especially in large organizations with IT policies that restrict administrator access.

4. They are secure.

- Web developers have had to become experts in security the web is a platform designed
 to share everything with everyone! As such, the types and levels of security included in
 web applications are often far greater than those seen in traditional applications.
- They also benefit from the ability to launch updates in real-time the application on the servers is the application people are using. The applications on people's laptops however is the version last installed. And when those laptops get left on a train it's not a concern, as nothing is stored locally.
- 5. They enable more computing with fewer Information.
- Web applications push all of the hard work to the servers, and act as intermediaries between the user interface and the calculations happening behind the scenes. This means you can accomplish terrifyingly complex work on a tablet, or your phone.
- We've built web applications that allow people to understand the complex relationships between 250,000 pieces of art on their phones, and applications that run the business systems of one of the largest solar energy providers in the world. Often these products are not financially viable to build using traditional application processes.

Problem Statement

Develop an application which facilitates creation of web pages having a need to install any HTML editor based software and also which can be used by any novice user (no HTML knowledge needed) that is developing web pages on the online. This module is designed to reduce the process involved in managing the activity of customers and business where the business can sell their services and the customers can buy those.

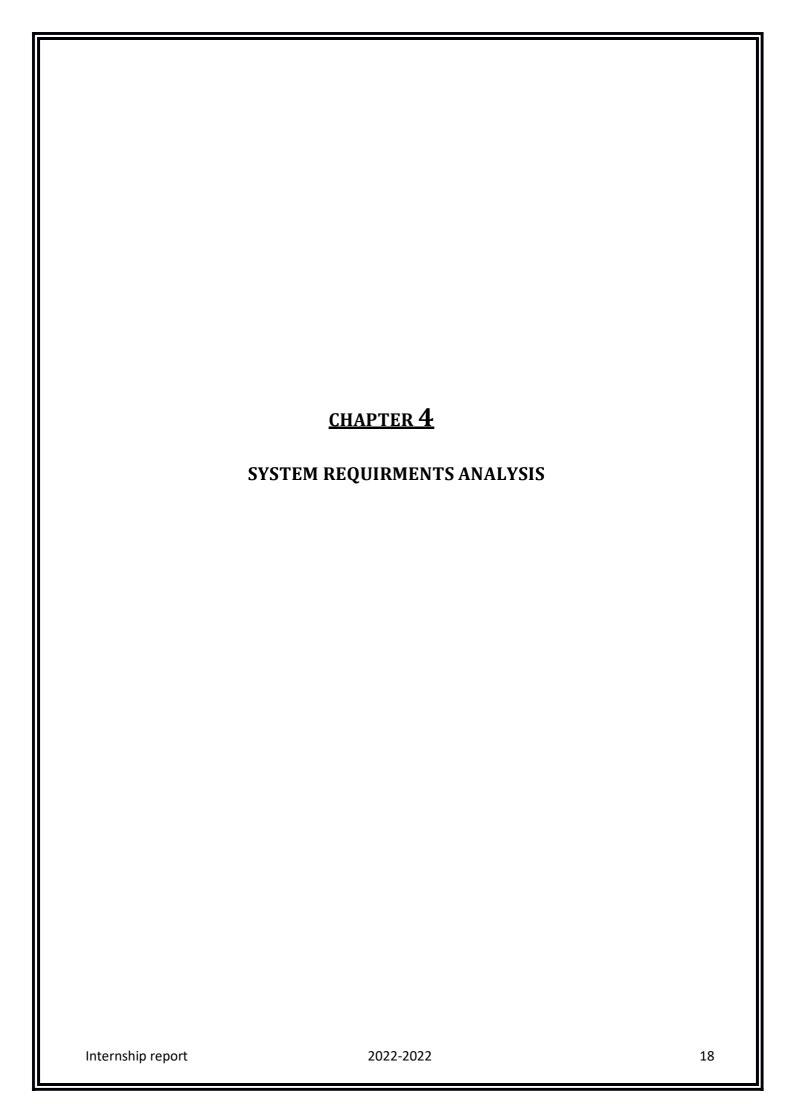
Introduction to Template-Personal Blog

Template-Personal Blog website content providers to focus on creating Personal Blog for User by using the template that is provided. This make easy to develop Blog for Bigneers.

Here we present techniques that are pertinent to the elements of assessment process: It contain Login form for user login and the formate /Template for Blog for user.

Admin can see the no of user in database.

As the modern organizations are automated and Informations are working as per the instructions, it becomes essential for the coordination of human beings, commodity and Informations in a modern.



SYSTEM REQUIRMENTS

To install React on Windows, your system will require the minimum configuration as below:

- 1. Windows XP, Windows 7 (32/64 bit) or higher
- 2. Minimum 4 GB RAM and higher
- 3. 10 GB available space on the hard disk
- 4. At least one Internet Browser e.g. Chrome, Firefox, Microsoft Edge etc.
- 5. Node.js
- 6. Active internet connection minimum speed 512kbps and above.
- 7. At least one installed code Editor to test and debug your code e.g.

MySQL Workbench requires a current system to run smoothly. The minimum hardware requirements are:

- CPU: Intel Core or Xeon 3GHz (or Dual Core 2GHz) or equal AMD CPU
- Cores: Single (Dual/Quad Core is recommended)
- RAM: 4 GB (6 GB recommended)
- Graphic Accelerators: nVidia or ATI with support of OpenGL 1.5 or higher
- Display Resolution: 1280×1024 is recommended, 1024×768 is minimum.

The following operating systems are officially supported:

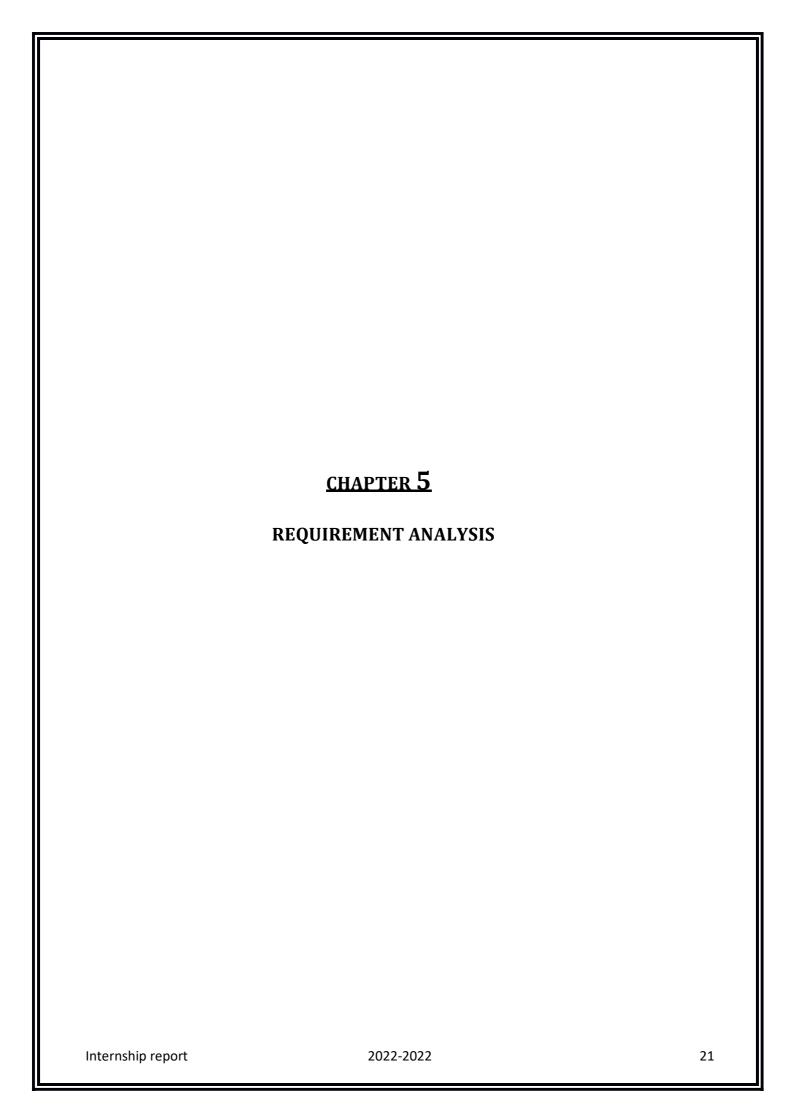
- Windows 7 (64-bit, Professional level or higher)
- Mac OS X 10.6.1+
- Ubuntu 9.10 (64bit)
- Ubuntu 8.04 (32bit/64bit)

For convenience the following builds are also available:

- Windows XP SP3, Vista
- Mac OSX (10.5 and 10.6) Intel
- Ubuntu 8.04 (i386/x64)
- Ubuntu 9.04 (i386/x64)
- Fedora 11 (i386/x64)

MySQL Workbench also has the following general requirements:

- 1. The Microsoft .NET 3.5 Framework.
- 2. Cairo 1.6.0 or later
- 3. glib-2.104. libxml-2.6
- 5. libsigc++ 2.0 6. pcre
- 7. libzip



5. REQUIREMENT ANALYSIS

Hardware Requirement Specification

- MySQL
- NODE JS
- Notepad++ Editor
- Processor: Intel core i5 processer
- Memory: 15.6 GB
- Hard Disk: 40 GB

Software Requirement Specification

- A] Functional Requirements

 - .

B] Non-Functional Requirements

Availability

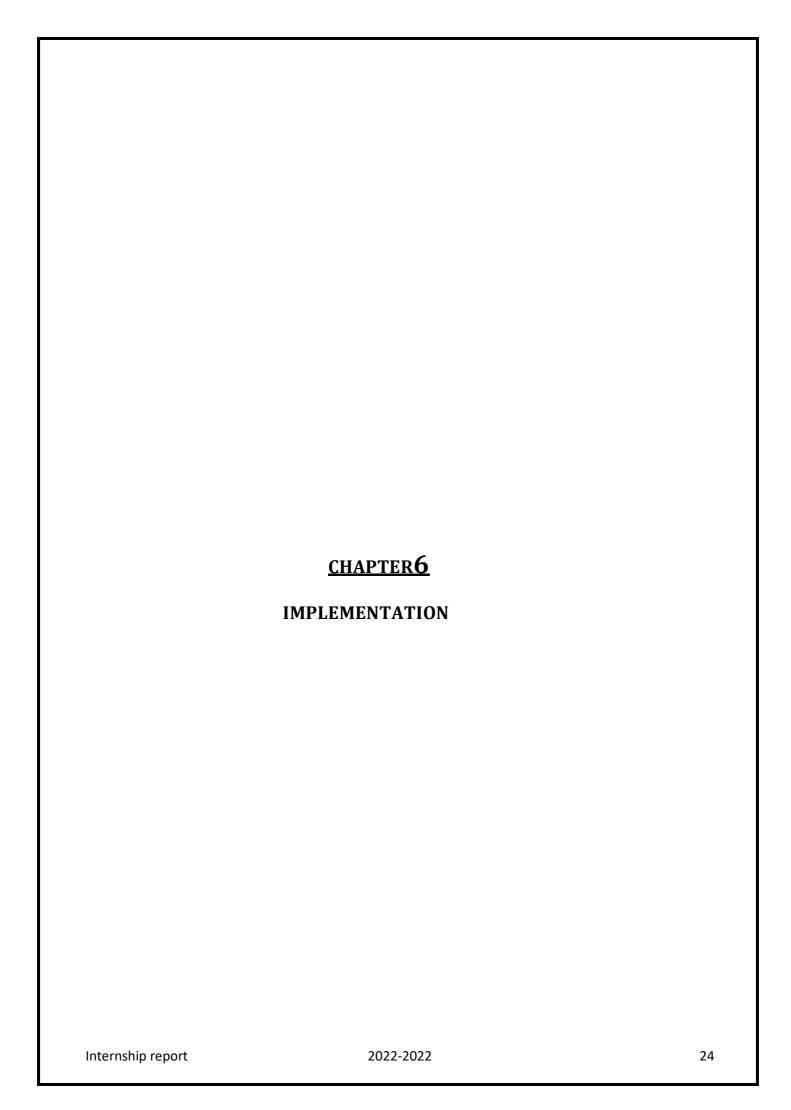
The online registration system shall permit backing up of the registration database while other registration actives are going on.

Accessibility

The system shall be accessible by people with specific vision needs to the extent that a user shall be able to display whole user interface in a larger font without truncating displayed text or other values.

Security

The access permissions for system data may only be change by the systems data administrator passwords shall never be viewable at the point of entry or any other time.



6. IMPLEMENTATION

Implementation is the stage where the theoretical design is turned into a working system. Themost crucial stage in achieving a new successful system and in giving confidence on the newsystem for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification. It involves careful planning, investigation of the current system and it constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods a part from planning.

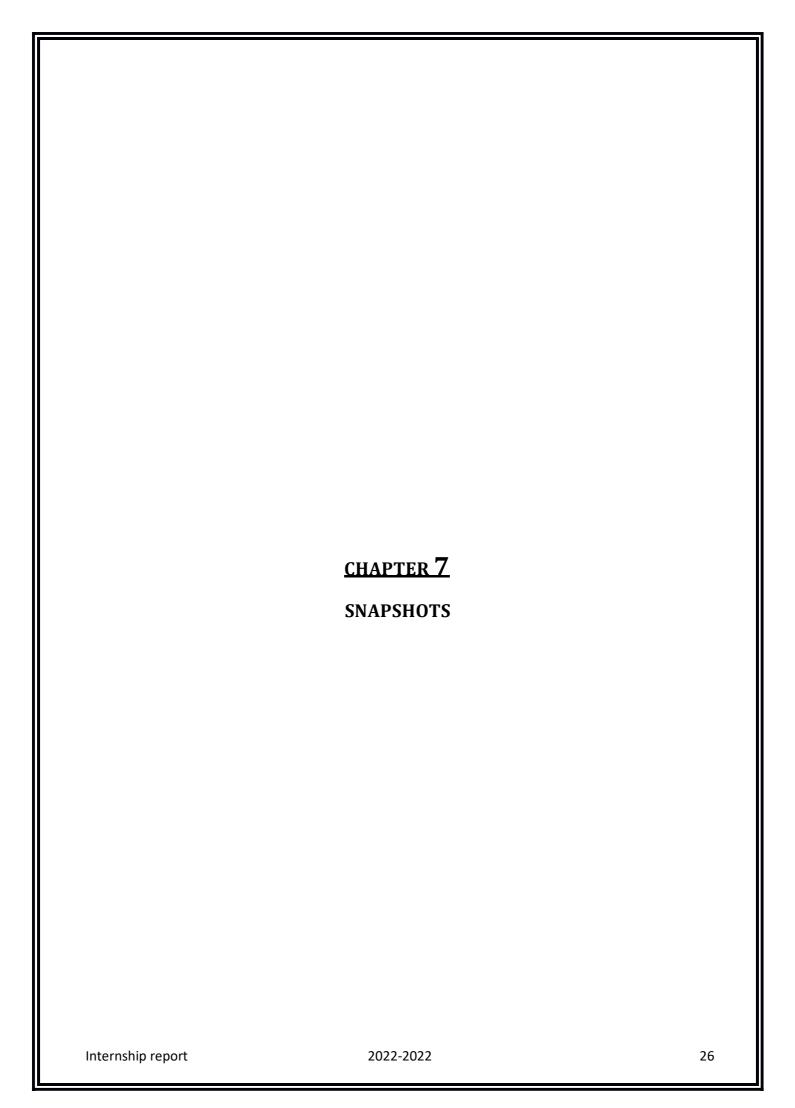
Two major tasks of preparing the implementation are education and training of the users and testing of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

TESTING

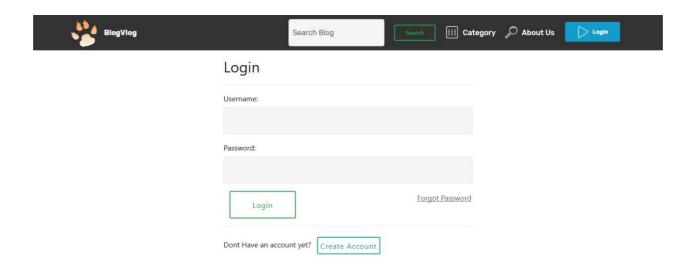
The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing is carried out in three steps:

- 1. The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether the objectives have been met. Errors are noted down and corrected immediately.
- 2. Unit testing is the important and major part of the project. So errors are rectified easily inparticular module and program clarity is increased. In this project entire system is dividedinto several modules and is developed individually. So unit testing is conducted to individual modules.
- 3. The second step includes Integration testing. It need not be the case, the software whose modules when run individually and showing perfect results, will also show perfect results when run as a whole.



7.SNAPSHOTS

1. Login Page



2. Start a Blog





The Value of Being a Team

Many teachers report that on a residential trip to the Himalayas they set off with a disparate group of kids and came back with a 'team' who have learnt to help and support one another. This is because hiking in this wild environment will require all the members of your group to pull together. They will each find difficulties and joys in different elements which they will then be able to share with one another, working as a support network.



Thankyou for reading this!

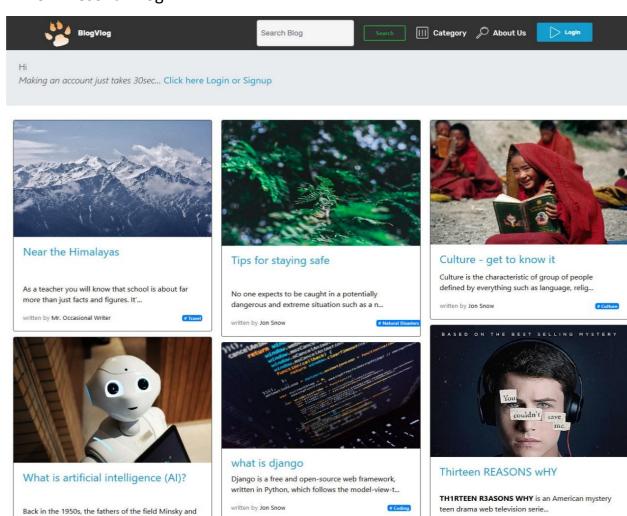


Internship report 2022-2022 28

3. Presonal Blog

McCarthy, described artificial in...

written by Mr. Occasional Writer



written by Mr. Occasional Writer

Code

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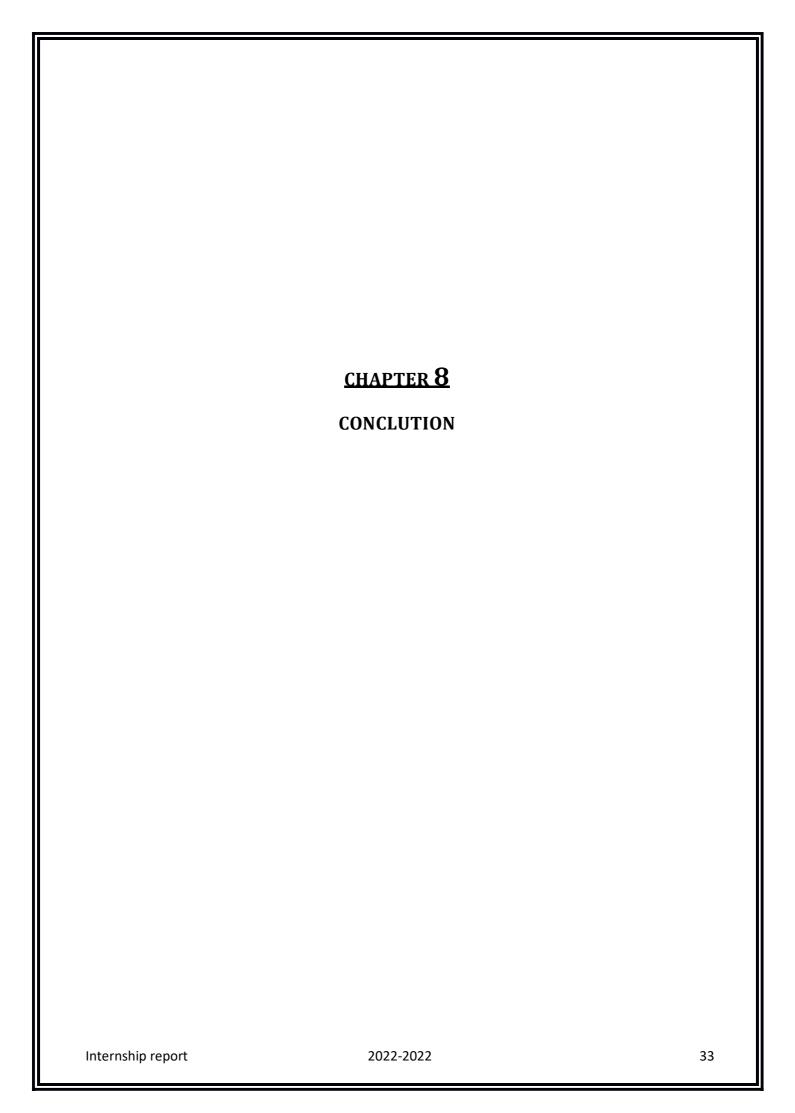
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8. CONCLUTION

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 compared to 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.

