MID-TERM EVALUATION REPORT

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

BACHELOR OF ENGINEERING
(Information Technology)

8th Semester

TO

Department of Information Technology

University Institute of Engineering and Technology

Panjab University, Chandigarh

2024

Supervised By: -
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Submitted By: -
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UE208022

DECLARATION

I hereby declare that the project work entitled "Midterm Evaluation Report" is an authentic record of my work carried out at ROCKY MOUNTAIN TECHNOLOGIES INDIA PVT.LTD, Ludhiana as the requirement for six months of Industrial Training for the award of the degree of B.E. at UIET, Panjab University, Chandigarh under the guidance of Mr. Sumit Jain (Director) and Prof. Roopali Garg during Jan-Jun, 2024.

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Arham Jain

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Date:_____

Certified that the above statement made by the student is correct to the best of our knowledge and belief.

Prof. Roopali Garg (Professor)   **Mr. Hanish Kumar (Manager)**

(Faculty Coordinator)   **(Industry Coordinator)**

ACKNOWLEDGEMENT

I would like to extend my sincere gratitude to my Director Mr. Sumit Jain, my mentor Mr. Deepak Chopra, and the entire team. Without their cooperation, guidance, and encouragement, the experience couldn't have been what it evolved to be.

Furthermore, distinguished appreciation also goes to the Training and Placement Cell – UIET, the management of the Panjab University, and all others involved in making training a part of the academic assessment to enable students to gain the valuable and aspired work experience before graduating.

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SUMMARY

This report provides details about the industry and work done during the Industrial Training at Rocky Mountain Technologies India Pvt.Ltd., Ludhiana Office.

Rocky Mountain Technologies Pvt. Ltd. is a subsidiary of T&G web Solutions®, a Calgary-based top ranked I.T. Company . Their forte includes creative web designing, creative web development and mobile application development. Besides web designing and development, comapny is also specialized in Digital Marketing and online branding. As a matter of fact, their top-grade online marketing services always put you on an advantage to be ranked on top of organic search results in addition to boosting web traffic inflow.

This company deal in all sorts of portal solutions, such as – web designing, hosting, search engine & social media marketing, comprehensive e-commerce solutions, and brand building. They are one of the leading pioneers in creating long term professional rapport and meeting all kinds of I.T. interactive interface requirements.

The report gives details of how various strategies to deliver the services to the clients.

Chapter - 1

INTRODUCTION

As part of my four years of bachelor's degree in engineering as per the requirement of the UIET, Panjab University, Chandigarh, the students of the last semester must go for industrial training. Students bearing this degree are to embark on this training for six months to enable them to obtain practical industrial experience in the field of study and to abreast themselves of the business environment.

This report is written for the First progress evaluation in March by the student to the institute which forms part of awarding the degree certificate. The training period covered in this report is Jan 2024 to March 2024, at Rocky Mountain Technologies India Pvt.Ltd., Ludhiana. I am currently assigned to the MEARN (Mongoose, Expressjs, Angular, Reactjs, Nodejs) stack Team which plays an important role in Web development. My main duty is to write clean and optimized code that helps site to work perfectly, handling all edge cases, goals of the team which includes various tasks code monitoring, refactoring and optimizing the code. Rocky Mountain Technologies provides professional services to help companies and individuals create significant value from their innovation doing common things uncommonly well – whose sole purpose is to deliver you best of the user experience with intuitive technology.

They are one of the leading pioneers in creating long term professional rapport and meeting all kinds of I.T. interactive interface requirements.Their award winning online tactics are well known for boosting web traffic and high ranking in search results. The main areas of work include:

- Web Designing and Managed Hosting

- Portal Development

- Search Engine Optimization

- Social Media Marketing

- Comprehensicve E-Commerce Solutions

- Brand Building

Industrial Training introduces students to the practical side of their learning. It exposes students to the world of work so that we can relate theoretical knowledge with application in industry.

Chapter -2
ABOUT THE ORGANISATION

Rocky Mountain Technologies India Pvt.Ltd is an IT Consulting and Product Development firm. Its services give customers the freedom to select from a variety of Web Designing and Application development options as well as onshore, offshore, or outsourcing engagement models. This company provides a variety of management services and has the flexibility to combine their offerings to meet a wide range of customer requirements.

The company serves a broad range of customers from various industries, including banking and financial services, retail, healthcare, education, and government. The services offered by company are:

1. **Web Development services**

A professionally designed website is crucial for making a positive first impression on potential clients, developing leads, and increasing conversions. More importantly, it enhances user experience and facilitates easy navigation. At T&G Web Solutions, we specialize in dynamic website design in Calgary. Our experienced web designers, ranked among the top in Calgary, have over a decade of experience and have successfully completed numerous web design projects.

The organization offers comprehensive ongoing operational support services to clients, including 24/7 monitoring, real-time issue identification and resolution, and efficient escalation and delegation processes. Their infrastructure support ensures the highest level of service availability.

2.Application Development

High quality applications are custom built for the clients' requirements. The mobile solutions are designed to create unique user experiences that reflect the values, priorities and vision of client businesses. They help the clients achieve their business goals and work towards satisfying their long-term needs, expectations and user requirements which extend beyond any specific technology or implementation strategy.

Cloud solutions Cloud solutions make sure that businesses can continue operating without any disastrous consequences despite any sudden changes in the environment.

3.Web Desgning services

Our web designing services are meticulously crafted to meet the highest standards of professionalism and excellence. We understand the critical role that a well-designed website plays in establishing a strong online presence and driving business success. Our team of expert designers combines creativity with technical expertise to deliver visually stunning and user-friendly websites that captivate audiences and leave a lasting impression.

From conceptualization to implementation, we employ a systematic approach to ensure that every aspect of your website is carefully crafted to align with your brand identity and business objectives. Whether you're looking to launch a new website or revamp an existing one, our designers will work closely with you to understand your unique requirements and preferences, delivering a customized solution that exceeds your expectations.

4. PPC services

PPC (Pay-Per-Click) services are a key component of digital marketing strategies aimed at driving targeted traffic to websites. PPC campaigns involve advertisers paying a fee each time their ad is clicked, allowing them to place their ads prominently in search engine results and on various online platforms. These services are highly effective in increasing brand visibility, driving traffic to websites, and generating leads and conversions.

PPC services encompass a range of activities aimed at maximizing the effectiveness of PPC campaigns. This includes keyword research to identify relevant search terms, ad creation and optimization to ensure high click-through rates, bid management to maximize return on investment, and ongoing monitoring and analysis to refine campaigns for optimal results.

5. SEO Services

SEO services involve optimizing websites to improve their visibility and ranking on search engine results pages (SERPs). This includes techniques such as keyword research, on-page optimization, link building, and content creation, all aimed at driving organic traffic and increasing online presence.

At our company, we offer comprehensive SEO services tailored to meet the unique needs of your business. Our team of SEO experts employs cutting-edge strategies and industry best practices to optimize your website for search engines, improve its relevance, and increase its ranking.

Our SEO services encompass a wide range of techniques, including keyword research, on-page optimization, content creation and optimization, link building, and technical SEO. We conduct thorough audits of your website to identify areas for improvement and develop customized strategies to enhance its performance.

6. Digital Marketing

Optimizing digital marketing strategies to achieve optimal results requires a comprehensive understanding of various online platforms, audience demographics, and market trends. At our company, we specialize in delivering best-in-class digital marketing solutions tailored to meet the unique needs and goals of our clients.

Our team of seasoned digital marketers utilizes cutting-edge techniques and industry best practices to drive traffic, generate leads, and maximize conversions across various digital channels. From search engine optimization (SEO) and pay-per-click (PPC) advertising to social media marketing and email campaigns, we employ a multi-faceted approach to ensure maximum visibility and engagement for our clients' brands.

Moreover, our commitment to continuous learning and adaptation allows us to stay ahead of the curve in an ever-evolving digital landscape. We conduct thorough market research and analysis to identify emerging trends and opportunities, enabling us to fine-tune our strategies for optimal performance.

Chapter-3

OVERVIEW OF THE BUSINESS

The company establishes mutual trust with the clients, and all of the search assignments are faithfully conducted based on such strong relationships.

It achieves client satisfaction through the highest quality searches and by ensuring excellent communication with the clients while conducting the searches.

Information provided by the clients is kept confidential.

It exerts professional efforts in conducting searches and asks the clients to understand that search results depend on pricing and the search specifications provided by the clients.

It offers a wide range of IT operations and outsourcing solutions to clients. Rocky Mountain's business model fuses information search innovation, technical background, and operations in a variety of technical fields.

The main areas of Rocky Mountain Technologies include:

- Web Designing and Managed Hosting

- Portal Development

- Search Engine Optimization

- Social Media Marketing

- Comprehensicve E-Commerce Solutions

- Brand Building

ABOUT MY TEAM

Currently, I'm a part of the MEARN Stack Team at Rocky Mountain Technologies India Pvt.Ltd, which plays an important role in Software (Web Development).

What does the MEARN Stack Team do?

The MEARN Stack Team specializes in leveraging a comprehensive suite of JavaScript-based technologies to develop robust and dynamic web applications. This stack, comprising MongoDB, Express, Angular, React, and Node.js, is meticulously curated to harness the full potential of each component in synergy.

MongoDB serves as the foundational database solution, offering unparalleled scalability and flexibility for storing and retrieving data in JSON document format. The team adeptly utilizes Express, a minimalist web application framework for Node.js, to streamline the development process and facilitate seamless communication between client and server.

Furthermore, Angular and React, leading front-end frameworks, empower the team to create highly interactive and responsive user interfaces, ensuring optimal user engagement and satisfaction. These frameworks enable the implementation of cutting-edge features and functionalities, enhancing the overall user experience.

Backed by Node.js, a versatile server-side platform, the team achieves exceptional performance and efficiency in handling concurrent requests and managing server-side logic. Node.js facilitates the development of scalable and event-driven applications, aligning perfectly with the requirements of modern web development.

In essence, the MEARN Stack Team excels in harnessing the collective power of MongoDB, Express, Angular, React, and Node.js to deliver innovative, high-performance web solutions that meet the evolving needs of businesses and end-users alike.

REVIEW

As a Technical Trainee at Rocky Mountain Technologies India, I gained valuable experience and knowledge in Software Development. During my time at the company , I worked on a variety of projects assigned by my mentor that allowed me to develop my technical and analytical skills and enhance my problem-solving abilities.

One of my main tasks is that I recently aligned with MEARN stack team where my job is to contribute on the main project called **City Plans.** This experience allowed me to see how my work contributed to the company's overall success and growth.

Apart from that during my initial days I learned various tools and technologies which are vital for web development

Throughout my internship, I received constructive feedback from my supervisors and mentors that helped me to improve my skills and knowledge. I was also encouraged to ask questions andguidance whenever I needed it, which helped me to feel supported and motivated.

Overall, my internship was a valuable learning experience that provided me with a solid foundation in the IT industry. I would highly recommend Rocky Mountain Technologies India Pvt.Ltd to other students seeking an internship in this field.

Chapter-4

DETAILS OF THE WORK INCLUDING WORK PROGRAMME AND RESULTS

THE TRAINING PROGRAMME

- IT Fundamentals

- Web Technologies

- Presentation Skills

- Communication Skills

LITERATURE RELATED TO TRAINING

Introduction

T&G Web Solutions®, a well-known IT firm with its main office in Calgary, is a subsidiary company of Rocky Mountain Technologies Pvt. Ltd.

Our client-focused business provides a range of IT services, including mobile application development, web design, creative web development, SEO management, and much more.

In addition, we are experts in internet branding & digital marketing. And as a result of providing all these excellent services, our RMT team is constantly focused on utilizing the newest, most advanced technology to provide the greatest customer experience. Our team's commitment has given us the advantage of ranking highly in organic search results and increasing the amount of traffic to our website.

The company forte includes creative web designing, creative web development and mobile application development. Besides web designing and development, company also specialize in Digital Marketing and online branding. As a matter of fact, their top-grade online marketing services always put you on an advantage to be ranked on top of organic search results in addition to boosting web traffic inflow.

They deal in all sorts of portal solutions, such as – web designing, hosting, search engine & social media marketing, comprehensive e-commerce solutions, and brand building. This company is one of the leading pioneers in creating long term professional rapport and meeting all kinds of I.T. interactive interface requirements.

2, <u>Generic and Technical Training</u>

I was assigned 10 mandatory training courses, to be completed over 2 months. (January-February'23). This training course is comprised of technical training. These are listed below:

Technical Trainings:

- Linux Basic

- HTML

- CSS

- Bootstrap

- JavaScript

- React Js

- Next Js

- React Query

- Redux Toolkit

- MUI

- Version Control System: GIT

Chapter-5

METHODOLOGY

TECHNICAL TRAININGS

1.Linux – Basic

Linux is one of the most popular operating systems used by businesses for a variety of reasons. Among these benefits are increased security and customizability. Any users can alter this operating system to their own demands, adjusting it to ours.

Linux is well-known for its powerful security features and command over the computer environment, making it a popular choice for organizations that value data security and privacy. There are two ways to interact with Linux computers. This may be done using CLI or GUI.

The Command Line Interpreter (CLI) is comparable to the Windows command prompt. Over there, we type Linux commands, and the system executes them. A user can access the system via icons on the desktop via Graphical User Interface (GUI).

CLI is the most widely used technique of accessing any Linux-based system. We may also utilise the pipelining approach to run many commands in the same shell expression. Because of its adaptability, Linux may be found in a variety of applications such as servers, cloud environments, and embedded systems.

2. HTML

HTML (Hyper Text Markup Language) is a foundational language for defining the structure of web pages and applications. It provides a set of tags that enable the incorporation of text, images, videos, links, and other elements into a webpage. These tags are enclosed in angle brackets ("<>" symbols).

HTML is often used in conjunction with CSS (Cascading Style Sheets) and JavaScript to create responsive webpages that can interact with servers and users. CSS is used for styling and layout, while JavaScript adds interactivity and dynamic behavior to the webpage.

HTML tags can be categorized into three main types:

- Semantic Tags: These tags, such as <section>, <header>, and <footer>, provide meaning and structure to the content, making it more understandable for both browsers and developers. Semantic tags improve accessibility and search engine optimization (SEO) by clearly defining the purpose of each section of the webpage.
- Non-semantic Tags: These tags, like <div>, are used for grouping and styling purposes without adding any specific meaning to the content. They are generic containers that allow developers to organize and style content as needed.
- Self-Ending Tags: Some tags, such as <img>, <br>, and <input>, are self-ending, meaning they do not require a closing tag. These tags are used to insert images, line breaks, and input fields, respectively, into the webpage.

3. CSS

CSS, or Cascading Style Sheets, is a fundamental technology used in web development to control the visual presentation of a web page. It works alongside HTML and JavaScript to create a cohesive and engaging user experience. CSS allows developers to define styles for various elements on a webpage, such as fonts, colors, layout, and animations, ensuring consistency across the site.

One of the key benefits of CSS is its ability to separate the structure of a webpage (HTML) from its presentation (CSS). This separation makes it easier to maintain and update a website, as changes to the design can be made in the CSS file without altering the underlying HTML code. CSS also enables responsive web design, allowing websites to adapt to different screen sizes and devices, providing a seamless experience for users across desktops, tablets, and smartphones.

In addition to basic styling, CSS can be used for more advanced features, such as creating transitions and animations, implementing flexible layouts with grids and flexbox, and optimizing performance by reducing page load times. CSS frameworks, like Bootstrap and Foundation, provide pre-built styles and components that can speed up the development process and ensure a consistent look and feel across different projects.

There can be three ways in which CSS can be used within a HTML file. They are;

Inline CSS – Here, we pass the styling attributed within a style attribute in the respective tag.

Internal CSS – We add a style tag to the head tag and style various components inside that tag.

External CSS – We create an external file with extension being .css and add that sheet using link tag.

4. BootStrap

Bootstrap is a powerful front-end framework that facilitates the development of responsive and visually appealing websites and web applications. It provides a comprehensive set of pre-designed components and utilities, including responsive grid systems, typography, forms, buttons, navigation bars, and more. This allows developers to create consistent and professional-looking interfaces with minimal effort.

One of the key advantages of Bootstrap is its mobile-first approach, which ensures that websites are optimized for various devices and screen sizes, ranging from smartphones and tablets to desktop computers. This is achieved through the use of responsive design principles, enabling content to adapt and reflow dynamically based on the viewport size.

In addition to its built-in components, Bootstrap also offers extensive customization options, allowing developers to tailor the appearance and behavior of their websites to suit their specific requirements. This can be achieved through the use of custom CSS styles, as well as the integration of third-party plugins and extensions.

Furthermore, Bootstrap promotes efficient and maintainable code by following best practices and conventions. Its modular structure encourages the use of reusable components and styles, which helps streamline the development process and improve code consistency.

Overall, Bootstrap is a versatile and robust framework that empowers developers to create professional and responsive websites with ease. Its extensive features, customization options, and adherence to best practices make it a preferred choice for web development projects of all sizes and complexity levels.

5. JavaScript

JavaScript is a versatile and powerful programming language commonly used for creating interactive and dynamic content on websites. It is a crucial component of modern web development, allowing developers to add functionality, interactivity, and responsiveness to web

pages.

One of the key features of JavaScript is its ability to manipulate the Document Object Model (DOM), which represents the structure of a web page. This enables developers to dynamically update content, respond to user actions, and create interactive web experiences without having to reload the entire page.

JavaScript is also commonly used in conjunction with HTML and CSS to create modern web applications. It is supported by all major web browsers and can be used for a wide range of tasks, from form validation and data manipulation to complex animations and multimedia applications.

In conclusion, JavaScript is a fundamental technology for web development, enabling developers to create dynamic, interactive, and engaging web experiences. Its versatility and widespread adoption make it an essential tool for any modern web developer.

6. React JS

React.js, a JavaScript library for building user interfaces, has become a cornerstone in modern web development due to its efficiency, flexibility, and robustness. Developed and maintained by Facebook, React.js allows developers to create interactive and dynamic web applications with ease.

One of the key features of React.js is its component-based architecture, which promotes modularity and reusability of code. Developers can break down complex UIs into smaller, self-contained components, making the codebase easier to manage and maintain.

Furthermore, React.js utilizes a virtual DOM (Document Object Model), which significantly enhances performance by minimizing DOM manipulation. Instead of re-rendering the entire DOM upon every state change, React.js selectively updates only the components that have changed, resulting in faster rendering times and smoother user experiences.

Another advantage of React.js is its strong ecosystem and vast community support. With a plethora of third-party libraries, tools, and resources available, developers can leverage pre-built components and solutions to accelerate development and solve common challenges.

Moreover, React.js is platform-agnostic, meaning it can be used to build not only web applications but also mobile apps (with React Native) and even desktop applications (with tools like Electron). This versatility makes React.js an attractive choice for developers looking to build cross-platform solutions.

In conclusion, React.js empowers developers to create modern, high-performance web applications

with ease, thanks to its component-based architecture, virtual DOM, extensive ecosystem, and platform-agnostic nature. As the web continues to evolve, React.js remains at the forefront of web development, driving innovation and enabling the creation of cutting-edge user experiences.

7. Next JS

Next.js is a powerful and versatile framework for building modern web applications with React.js. It provides developers with a robust set of tools and features to create high-performance, server-side rendered (SSR) or statically generated websites and applications.

One of the key advantages of Next.js is its ability to seamlessly handle both client-side and server-side rendering, allowing for faster initial page loads and improved search engine optimization (SEO). By rendering pages on the server side, Next.js ensures that users receive content quickly, even on slower network connections or devices.

Additionally, Next.js offers built-in support for automatic code splitting, which enables developers to optimize their applications for performance by only loading the JavaScript required for each page. This helps reduce load times and improve overall user experience.

Another notable feature of Next.js is its support for static site generation (SSG), which allows developers to pre-render pages at build time. This results in ultra-fast page loads and eliminates the need for server-side rendering in some cases, making it an excellent choice for content-heavy websites or blogs.

Furthermore, Next.js provides a rich ecosystem of plugins and extensions that extend its functionality and enable developers to easily integrate with other technologies and services. Whether you need to add authentication, internationalization, or analytics to your application, Next.js has you covered with a wide range of options to choose from.

In summary, Next.js is a professional-grade framework that empowers developers to build modern, high-performance web applications with ease. Its robust feature set, including server-side rendering, automatic code splitting, and static site generation, makes it an excellent choice for projects of all sizes and complexities.

8. React Query

React Query is a powerful library for managing and caching asynchronous data in React applications. It simplifies the process of fetching, caching, updating, and synchronizing data between your components and external data sources like APIs or databases.

One of the key features of React Query is its ability to automatically handle data caching and invalidation. This means that once data is fetched from a remote server, React Query will store it locally and automatically update it when necessary, ensuring that your application always displays the most up-to-date information to users.

Additionally, React Query provides built-in support for features like pagination, optimistic updates, and automatic retries, making it easy to handle complex data fetching scenarios without writing a lot of boilerplate code.

Another advantage of React Query is its integration with React's rendering lifecycle. It seamlessly integrates with React components using hooks like useQuery and useMutation, allowing you to easily fetch and update data within your components while ensuring optimal performance and reactivity.

Overall, React Query is a valuable tool for building fast, responsive, and maintainable React applications that interact with remote data sources. Its intuitive API and robust feature set make it a popular choice among developers for managing data fetching and caching in modern web applications.

9. Redux Toolkit

Redux Toolkit is a comprehensive library that streamlines the process of managing state in React applications. Developed by the Redux team, Redux Toolkit offers a set of utilities that simplify common Redux tasks, making state management more efficient and scalable.

One of the key features of Redux Toolkit is its built-in support for modern Redux best practices, such as the use of the createSlice function for defining Redux slices, which encapsulate both reducer logic and action creators. This reduces boilerplate code and improves code organization, making it easier to maintain and debug large-scale applications.

Additionally, Redux Toolkit integrates seamlessly with existing Redux codebases, allowing developers to gradually adopt its features without needing to rewrite their entire application. This

ensures compatibility with legacy code and facilitates a smooth transition to a more efficient state management solution.

Furthermore, Redux Toolkit includes powerful debugging capabilities, such as built-in support for the Redux DevTools Extension, which enables developers to visualize and debug state changes in real-time. This makes it easier to identify and fix issues, resulting in a more robust and reliable application.

Overall, Redux Toolkit empowers developers to write cleaner, more maintainable code by providing a comprehensive set of tools for managing state in React applications. Its focus on modern best practices, seamless integration, and powerful debugging capabilities make it an essential tool for building high-quality web applications.

10. Version Control System: GIT

Version control, often known as source control, is used to track any changes made to source code. Version control systems (VCS) are software tools that assist software development teams in managing changes to source code over time.

Git is a form of distributed version control system that we use to collaborate on code and keep track of the changes we make to it. In GIT, logs are produced for every operation performed on our file and we may roll back to the previous modification made.

Some of the most common features of Git are that it is an open-source community, which means that GitHub is home to a large community of open-source developers who share their code with others and contribute to each other's projects, and that it facilitates collaborative development, which allows developers to collaborate on code with others.

There is also a branching and merging capability that allows developers to build branches that are independent versions of their codebase that can be worked on independently. After modifications on a branch are finished, they may be merged back into the main codebase.

Chapter-6
Milestones

January:

In the month of January 2024, I completed 5 courses, along with their tests and assignments

a. Linux Basic

b. HTML

c. CSS

d. Bootstrap

e. JavaScript

I was assigned various tasks aimed at testing my proficiency in logic building. These tasks challenged my ability to think critically and solve complex problems, further honing my skills in logical reasoning and analysis.

Additionally, I was tasked with template designing assignments to evaluate my design capabilities. These projects required me to showcase creativity, attention to detail, and an understanding of user experience principles. Through these assignments, I was able to demonstrate my proficiency in design software and my ability to create visually appealing and functional templates.

Overall, these diverse tasks provided me with valuable opportunities to showcase my skills and grow professionally in both logic building and template designing.

February:

In the month of February 2024, I completed the following 5 course:

a. React JS

b. Next JS

c. React Query

d. Redux Toolkit

e. MUI

And aligned to MEARN EC (Engineering Council) so I started working on small self-projects using HTML, CSS and JavaScript for skill development. I was also entrusted with overseeing their flagship project, City Plans, which was a significant milestone in my career development.

March:

In March, I am responsible of handling all the major development in the project and my focus was on ensuring the project's success by delivering high-quality results and maintaining a strong client relationship.

Chapter-7

CONCLUSIONS AND FUTURE SCOPE OF WORK

Conclusion

The above contents are an overview of what I, as a trainee, learned while being a part of the company.

I learnt about the software development, technical aspects of various technical domains, including database engineering, challenges that are faced while developing an application and giving technical expertise during invention development. Positions of this nature may focus a great deal on development while technical background rather than legal.

It has been a great experience to watch and learn how a company operates. Being a part of such a talented organization filled with aspiring and encouraging people has shown me a great path for my career. I would like to learn more and more and develop new and professional skills.

I would really like to thank all the teachers, mentors, and UIET, Chandigarh for providing me with this opportunity to learn, grow more, and make an impact.

<u>Future Scope</u>

Looking ahead, my future scope involves continuing to expand my knowledge and expertise in the field of software development, particularly focusing on the MERN (MongoDB, Express.js, React.js, Node.js) stack. Building upon the foundation laid by completing courses in React JS, Next JS, React Query, Redux Toolkit, and MUI, I aim to delve deeper into advanced concepts and best practices within these frameworks.

Furthermore, I plan to leverage my alignment with the Engineering Council to undertake more self-directed projects using HTML, CSS, and JavaScript. These projects will serve as opportunities to apply my newfound skills in real-world scenarios, further refining my problem-solving abilities and enhancing my portfolio.

In addition to technical skills, I recognize the importance of maintaining strong client relationships and delivering high-quality results. Therefore, I will continue to prioritize effective communication, project management, and collaboration in my role, ensuring the success of projects like City Plans and any future endeavors.

Overall, my future scope entails continuous learning, skill development, and professional growth within the software development industry. By staying abreast of emerging technologies, honing my craft through practical experience, and maintaining a client-centric approach, I aim to achieve greater success and make meaningful contributions to the field.

Chapter-8
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