

# **Tribhuvan University**

## **Institute of Science and Technology**



### **Final Year Internship Report On "Php Developer for Suitable Solutions" At Drophills Pvt. Ltd. (Course Code: CSC-462)**

*In partial fulfilment of the requirement for the Bachelor's Degree in Computer Science and Information Technology (BSc.CSIT)*

**Submitted to:**  
**Patan Multiple Campus**  
**Department of Computer Science and Information Technology**  
**Patan Dhoka, Lalitpur**

**Submitted by:**  
**Ujjwal Shrestha (20105/075)**

## **SUPERVISOR'S RECOMMENDATION**

I hereby recommend that this report has been prepared by **Ujjwal Shrestha** under my supervision in partial fulfilment of the requirement for the degree of BSc. in Computer Science and Information Technology, be processed for evaluation.

.....  
**Mr. Shahi Shekhar Acharya**  
Internal Supervisor  
Patan Multiple Campus  
Department of Computer Science and Information Technology

## **ACKNOWLEDGEMENT**

Without the unconditional support and assistance of many individuals and organisations, success of my internship would not have been possible. Firstly, I would like to thank **Mr. Anup GC** for giving me such a good opportunity to do an internship within WPDrops Web Services. For me I could learn from this great experience. It helped me to explore my skills and increased my interest in Web Development. My sincere gratitude and thanks to **Mr. Govinda Dahal** for being so accommodating, understanding and helping me during my internship. I appreciate his patience and support.

I would like to give special thanks to **Mr. Sashi Shekhar Acharya** (Supervisor) and **Mr. Dhadi Ghimire** (Coordinator of BSc.CSIT, Patan Multiple Campus) for their trustworthy help towards making this report standard as per the norms and values. I could have not done this work without tremendous effort from my mentor, supervisor and others that I have received cheerfully from my college “Patan Multiple Campus”.

At the end, I would like to express my sincere thanks to all my friends and others who helped me directly or indirectly during this internship.

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**Ujjwal Shrestha (20105/075)**

## **ABSTRACT**

This internship report contains the details of the activities carried out during the internship conducted at WPDrops Web Services, Imadol-1, Lalitpur. It was a real-time work experience at WPDrops Web Services. I had a chance to learn about the system development aspect, agile workflow and the client support system. I was able to gather a lot of knowledge and experience from our mentor and other professionals. It also taught me on how to work in a group and be an efficient team member.

Web based applications are very popular in recent days. This type of application is popular because it doesn't have to be distributed and installed on the client's computer. It is very easy to update and maintain web applications. In terms of accessibility, this type of application can be accessed from anywhere, anytime from any device supporting internet connection.(Stackpath, n.d.)

I was assigned to develop and handle the backend platform of 'Suitable Solutions' for Solar Energy Company using Php and Wordpress. The website is a common business website where the company can publish the ranges and varieties of solar services they provide. Our system is a web-based system which connects clients to the solar energy company from which they can access the services necessary.

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## **LIST OF ABBREVIATION**

<b>Acronyms</b>	<b>Abbreviations</b>
BCA	Bachelor of Computer Application
BE	Bachelor of Computer Engineering
BIM	Bachelor of Information Management
CEO	Chief Executive Officer
COO	Chief Operating Officer
CSIT	Computer Science and Information Technology
CSS	Cascading Style Sheet
CTO	Chief Technology Officer
HTML	Hyper-Text Markup Language
MBA	Master of Business Administration
MBS	Master in Business Studies
OS	Operating System
PAN	Permanent Account Number
SQL	Structured Query Language

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# **CHAPTER 1: INTRODUCTION**

## **1.1 Introduction to Project**

In an era where environmental concerns and sustainable living have become paramount, harnessing the power of the sun has emerged as a revolutionary solution. Welcome to Suitable Solutions, your gateway to a brighter and greener future!

Our website project is dedicated to providing comprehensive and innovative solar energy solutions that empower individuals, businesses, and communities to harness the sun's abundant energy. Solar energy is not just a cleaner alternative; it's a sustainable and cost-effective way to meet our growing energy needs while reducing our carbon footprint.

At Suitable Solutions, we recognize the urgent need to transition towards renewable energy sources, and we are committed to facilitating this transition through informative content, cutting-edge technology, and a user-friendly interface. Our mission is to make solar energy accessible, affordable, and understandable to everyone.

## **1.2 Problem Statement**

The rapid growth of energy consumption, coupled with the urgent need to reduce greenhouse gas emissions, has underscored the importance of transitioning to sustainable and renewable energy sources. Solar energy, a clean and abundant resource, holds immense potential to address these challenges. However, potential users face several significant barriers when it comes to adopting solar energy solutions, including lack of information, difficulty in system estimation, and uncertainty about product quality and installation expertise.

By creating this solar energy solutions website, we aim to bridge the information gap, simplify the decision-making process, and inspire a broader adoption of solar energy. Our website will serve as a catalyst for a more sustainable and environmentally responsible future, where solar energy plays a central role in reducing our carbon footprint and securing a cleaner planet for generations to come.

## **1.3 Objectives**

The aim of this research is to develop a Management System in a way that solves data related problems. The objectives of this project are:

- Educational Hub: The website will provide in-depth, easy-to-understand information about solar energy, its benefits, and the various types of solar installations. We will offer articles, videos, and infographics to educate users about the technology and its environmental impact.

- Solar Calculator: An interactive tool will allow users to estimate their solar potential based on location, energy consumption, and other factors. It will provide insights into cost savings, payback periods, and carbon footprint reductions, helping users understand the economic and environmental advantages of solar energy.
- Product Catalogue: The website will feature a curated catalogue of high-quality solar panels, inverters, batteries, and related equipment. Each product will be accompanied by detailed specifications, user reviews, and pricing information, simplifying the process of selecting the right components for a solar energy system.
- Find a Solar Installer: Users will be able to connect with certified solar installation professionals in their area. The platform will facilitate the search for experienced installers, making it easier for users to transition to solar energy with confidence.
- Community Forum: A community forum will foster engagement among solar enthusiasts, allowing them to ask questions, share experiences, and exchange knowledge. This peer-to-peer support system will create a sense of community and provide a space for users to learn from each other.
- Sustainability Initiatives: The website will highlight the importance of sustainability and environmental responsibility. It will showcase case studies of successful solar installations and highlight projects aimed at promoting solar energy access in underserved communities.
- User-Centric Design: The website will be developed with a user-centric design approach, ensuring a seamless and intuitive user experience across devices. It will be optimised for speed, security, and accessibility.

## 1.4 Scope and Limitation

### 1.4.1 Scope

- Geographical Reach: The website project will aim to provide information and resources for users across various geographical regions, but the primary focus will be on regions where solar energy is a viable option.
- Educational Content: The website will offer comprehensive educational content, including articles, videos, and infographics, to help users understand the fundamentals of solar energy.
- Solar Calculator: An interactive solar calculator will provide estimates based on location-specific data, allowing users to assess the potential benefits of solar energy for their specific circumstances.
- Product Listings: The website will feature a curated catalogue of solar panels, inverters, batteries, and other related equipment, focusing on high-quality and reputable products.

#### **1.4.2 Limitation**

- Geographical Limitations: While we aim to provide information for various regions, the website's accuracy in estimating solar potential and connecting users with installers may be limited by the availability of location-specific data and installer information.
- Information Accuracy: The website will strive to provide accurate and up-to-date information, but the rapidly evolving nature of the solar industry may lead to occasional discrepancies.
- Product Listings: The curated product catalogue may not cover every available product on the market, and product availability may vary by location.

### **1.5 Report Organization**

- Chapter one **Introduction** includes the problem statement, objectives and scope and limitation of our project.
- Chapter two **Organization Details** includes introduction to organisation, its hierarchy and working domain of organisation.
- Chapter three **Internship Activities** includes roles and responsibilities, weekly log and description of projects involved during internship.
- Chapter four **Conclusion and Learning Outcomes** includes conclusion of the system and lessons learnt from the internship.
- At the end, all the references are mentioned in APA format.

## **CHAPTER 2: ORGANISATION DETAILS AND LITERATURE REVIEW**

### **2.1 Introduction to Organization**

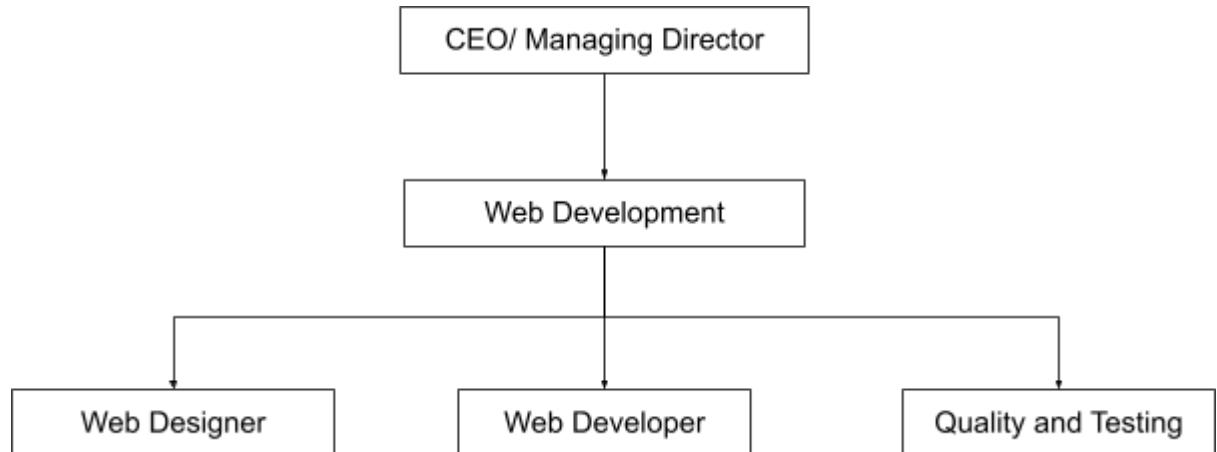
WPDrops Web Services is a software company which provides all types of IT solutions inside and outside the country. The company builds websites, mobile, desktop & web applications, integrated management systems, digital marketing and many more which are unique and eye-catching, highly reliable, secure and customer friendly.

**Table 1.1 Contact detail of company**

Company Name	WPDrops Web Services
Contact	9851211783
Mail	hello@WPDrops.com
Website	www.wpdrops.com

### **2.2 Organisational Hierarchy**

WPDrops Web Services has a hierarchical organisation structure. It has different departments to facilitate the business process that have good coordination among each other which is shown in figure below. CEO of WPDrops Web Services is responsible for directing over the operations and technology teams to make sound decisions and achieve better outcomes for the business. CTO is responsible for the technology vision and the development effort for delivering high quality and cost-effective services and solutions. Similarly, COO is responsible for operational management. Under the supervision of Project manager there are different teams: Web teams, Android teams, IOS teams, QA teams. I worked as an intern in the Web Development Team.



**Fig 1.1 Hierarchical structure of the company**

## 2.3 Working Domains of Organization

WPdrops Web Services provides multiple services in the area of website design and application development. The areas of expertise of the organisation are:

- 1) Software Development
  - a) Php
  - b) Python
  - c) React
- 2) Database Management
  - a) MS SQL
- 3) IT Consulting
  - a) Network Consulting
  - b) Web Consulting
  - c) Software Consulting
- 4) Digital Marketing
- 5) Graphics Designing

## 2.4 Description of Intern Department

I worked for a total of ten weeks as an intern at WPdrops Web Services. The details of my internship period in the organisation are summarised in the following table:

**Table 1.2 Duration of the Internship**

Start Date	:	3rd July, 2023
End Date	:	1st October, 2023
Total Duration	:	3 months
Position	:	Intern as Web Developer
Supervisor	:	Mr. Anup Kumar GC
Office Hour	:	10:00 AM to 6:00 PM

## 2.5 Literature Review

Many solar energy companies offer monitoring services to track system performance. Regular maintenance, such as cleaning panels and checking for any issues, helps ensure the system's optimal operation.

In the case of solar panel damage or component failures, companies provide prompt repair or replacement services. Solar companies often provide financing options, such as solar leases, power purchase agreements (PPAs), or loans, to make solar installations more affordable for customers. They assist customers in accessing government incentives, tax credits, and rebates, which can significantly reduce the upfront costs of solar installations. Solar energy companies offer ongoing support to address customer inquiries and concerns. Customer education is a key component, as companies aim to inform customers about their systems, energy savings, and environmental benefits.

Companies facilitate the process of connecting the solar system to the utility grid, ensuring that excess energy can be fed back into the grid or credited to the customer's account through net metering arrangements.

Many solar energy companies are committed to sustainability and reducing their carbon footprint. They may engage in initiatives to minimise waste, recycle materials, and promote responsible energy consumption.

Successful solar energy companies often seek opportunities for growth, including expanding into new markets, adopting emerging technologies, and staying up-to-date with industry trends.

Running a solar energy company requires expertise in various domains, from engineering and installation to sales, marketing, and customer service. It also demands a commitment to sustainability and staying at the forefront of renewable energy advancements. Overall, the goal of such a company is to provide clean, renewable energy solutions while helping customers reduce their environmental impact and energy costs.

## CHAPTER 3: INTERNSHIP ACTIVITIES

### 3.1 Roles and Responsibilities

Backend Development was the assigned role during my three months long internship period. The mentor assigned to me, seamlessly understood my field of interest and my strongest part. Mostly front-end tasks were assigned to me. The major roles and responsibilities of the intern are enlisted as follows:

- Understand the working patterns of the organisation.
- Undertake, manage and complete an individual project.
- Complete the tasks assigned by the supervisor.
- Update the supervisor on a regular basis.
- Develop self-learning capabilities and seek help from a mentor when needed.
- Focus on developing a professional solution compared to a working solution.

### **3.2 Weekly Logs**

**Table 1.3: Weekly Logs**

<b>Week</b>	<b>Activities</b>
1st Week	Installation of Visual Studio, Xampp, MySQL, PHP, Wordpress
2nd Week	Learned about PHP basics and advanced PHP, MVC, MySQL database and queries.
3rd Week	Crude operation (create, edit, read, update and delete)
4th Week	Started to work on Suitable Solution's Website
5th Week	Worked on Website's login, validation, verification and database management
6th Week	Worked on user management, proposal and request management.
7th Week	Worked with designer to integrate the styles and layout of the website
8th Week	Worked on organisation and user management
9th Week	Learned about Solar Energy Services
10th Week	Prepared documentation of the internship report

### **3.3 Description of the Project Involved During Internship**

In this project, an online solar service system is built in which employers and employees contribute their information into the database of the system that is used to recommend the users' available solar solutions according to their preferences. The system is well designed and optimised for best solar solution recommendations. The admin can login in the system to add new clients in the system, remove, update information, and modify any entered records. Since, the system is a web-based system; multiple users can login to the system and perform multiple operations in parallel.

This job portal system is built with Wordpress custom themes. This support system is used by various clients of distributed organisations, clients, etc. If any problem occurs in

this system, clients can login in the support system rather than calling. Clients can now post proposals for their solar solutions or find any solar solutions manually.

### **3.4 Tasks/Activities Performed**

As per the academic requirement of BSc.CSIT eighth semester, I worked as a Web Developer at WPDrops Web Services. Mr. Anup Kumar GC and Govinda Dahal were the mentors for this project and tasks were decided upon consultation with them. The part of the project was completed in ten weeks and as per the task performed, other tasks were assigned after discussion with the mentor. Major activities which I performed in ten weeks are given below:

I learned about installation of Visual Studio, MySQL, Php, Wordpress and Sublime Text. I learned about Php basics and advanced Php, Slack, and database relationships. I worked on the Crude operation (create, edit, read, update, delete). I started to work on a Suitable Solutions Website. I worked on Php login, validation, verification, database management. I worked on user management and solar services proposal and request management. I worked on web designing of the portal. I worked on users' records management (organisational and user). I learned about solar service systems. Atlast, I created documentation of the intern report.

### 3.4.1 Database Flowchart / ER Diagram

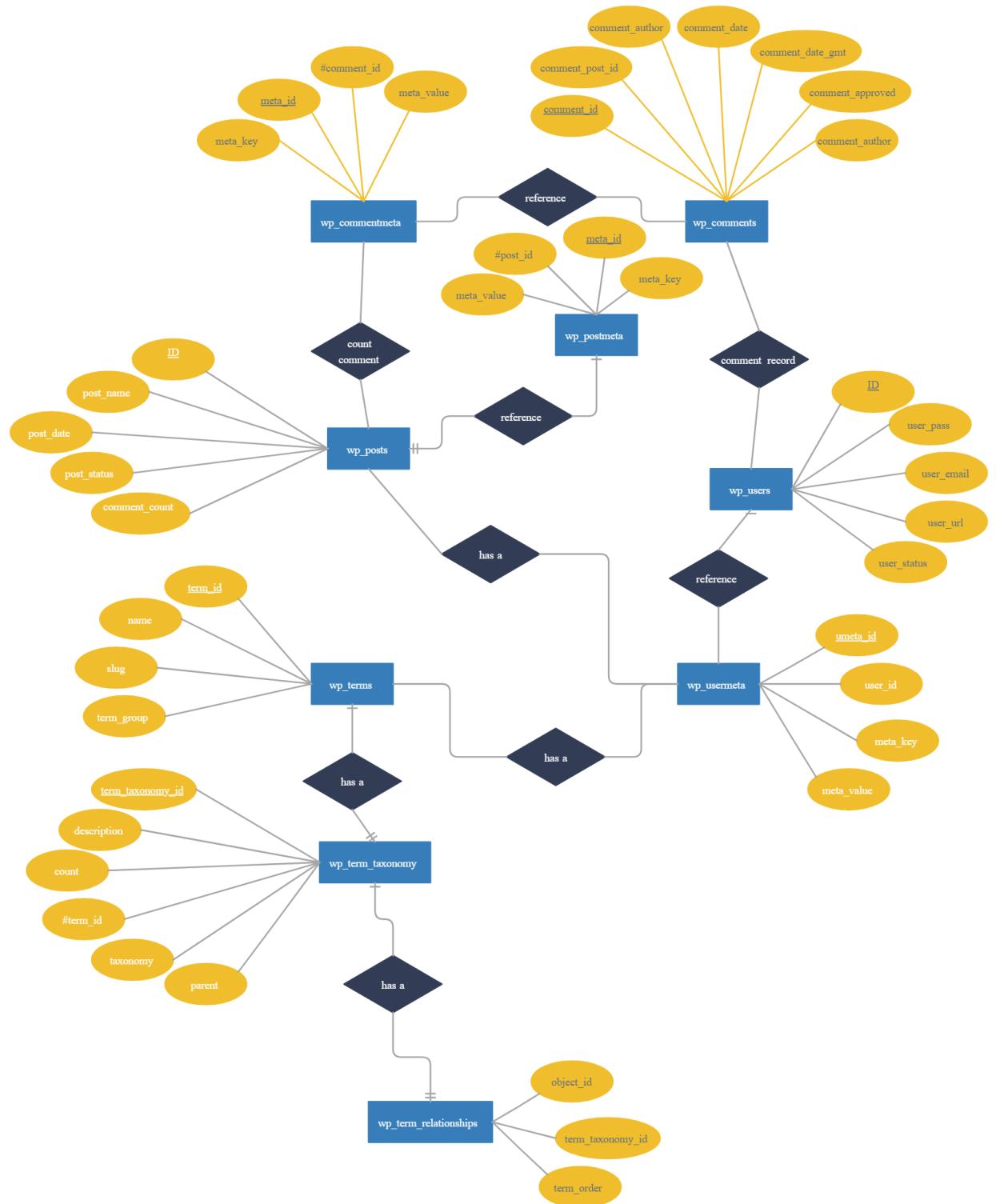


Fig 1.2 Database Flowchart / ER Diagram

### 3.4.2 Architecture Description

The website architecture description outlines the overall structure and components of a website built using the WordPress content management system (CMS). WordPress is a highly flexible and popular platform for creating websites, from simple blogs to complex e-commerce sites. Here's a breakdown of a typical WordPress website architecture:

**Hosting Environment:** The website is hosted on a web server, which can be shared hosting, virtual private server (VPS), dedicated server, or cloud-based infrastructure.

It may use a LAMP (Linux, Apache, MySQL, PHP) or similar stack, depending on the hosting provider.

**WordPress Core:** The foundation of the website is the WordPress core software, which includes the core files and functionality.

WordPress handles core features like user management, security, and the database connection.

**Database Layer:** WordPress relies on a MySQL database to store content, user information, and configuration settings.

The database layer stores posts, pages, comments, user profiles, and plugin settings.

**Themes:** Themes determine the website's visual design and layout.

They include template files, stylesheets, and sometimes JavaScript for enhancing user experience.

Child themes can be used to customise and extend the functionality of parent themes.

**Plugins:** Plugins are add-ons that enhance WordPress functionality.

They can extend features, add custom functionality, and integrate with third-party services.

Each plugin has its own settings, and they can be activated or deactivated as needed.

**Content:** WordPress allows the creation of various types of content, such as posts, pages, and custom post types.

Content is stored in the database and can include text, images, videos, and more.

**User Management:** WordPress provides user management with different roles, such as administrators, editors, authors, and subscribers.

Users can log in to create, edit, and manage content.

**Security:** Security measures are essential to protect the website from threats like hacking, malware, and unauthorised access.

Security plugins and best practices, such as strong passwords and regular updates, are commonly used.

**SEO and Analytics:** SEO plugins are used to optimise the website for search engines.

Analytics tools, such as Google Analytics, can be integrated to track user behaviour and site performance.

**Caching:** Caching plugins are employed to improve website performance by storing static copies of pages and serving them to users, reducing server load.

**CDN Integration:** Content Delivery Networks (CDNs) can be integrated to distribute website content to servers worldwide, reducing page load times.

**Backup and Recovery:** Regular backups of the website are essential to ensure data can be restored in case of data loss or security breaches.

**Scalability and Performance Optimization:**

As the website grows, scalability techniques such as load balancing and performance optimizations become important.

**Custom Development:** Custom code may be developed to meet specific requirements not covered by themes and plugins.

**Testing and Quality Assurance:** Websites are thoroughly tested to ensure compatibility, security, and performance.

**Content Management and Updates:** Regular content updates and maintenance are crucial for keeping the website relevant and secure.

**Regular Backups and Disaster Recovery:** Scheduled backups and a disaster recovery plan are important to mitigate data loss.

This WordPress website architecture serves as a foundation for various types of websites and can be customised and expanded to meet specific needs, whether it's a personal blog, a corporate website, an e-commerce platform, or any other online presence. It's essential to keep the WordPress core, themes, and plugins updated and to follow best practices in security and performance optimization for a successful and secure website.

### 3.4.3 Why Wordpress ?

We chose to use WordPress for this website for several compelling reasons, each of which aligns with the specific needs and objectives of the project:

1. **User-Friendly Content Management:** WordPress offers a highly intuitive and user-friendly content management system. This makes it easy for our team to create, edit, and organise content without the need for extensive technical expertise. As a result, we can maintain and update the website efficiently.
2. **Vast Plugin Ecosystem:** WordPress boasts an extensive ecosystem of plugins and extensions that enhance and extend the website's functionality. These plugins cover a wide range of needs, from SEO optimization and e-commerce integration to security and analytics. By leveraging these plugins, we can quickly add features and improve user experience.
3. **Versatile Theming Options:** WordPress provides a wide selection of themes, both free and premium, that allow us to control the website's design and layout. With the ability to customise themes and even develop custom themes if needed, we have the flexibility to create a unique and visually appealing website that aligns with our branding and user experience goals.
4. **Scalability and Flexibility:** WordPress is highly scalable and adaptable. This means that as our website grows and evolves, WordPress can accommodate our changing needs. Whether we want to expand our content, integrate new features, or even extend to e-commerce capabilities, WordPress provides the scalability required for future development.

5. **SEO-Friendly:** WordPress is inherently well-structured for search engine optimization (SEO). Its clean code, the availability of SEO plugins, and the ability to optimise content for search engines make it a powerful platform for improving our website's visibility in search results, which is crucial for attracting organic traffic.
6. **Strong Community and Support:** WordPress has a vast and active community of developers, designers, and users. This community provides ongoing support, regular updates, and an extensive knowledge base. If we encounter any issues or have questions, we can tap into this network for assistance and solutions.
7. **Security Features:** WordPress offers various security features and plugins to help protect the website from common online threats. By following best practices and implementing security measures, we can ensure that our website remains secure and our users' data is protected.
8. **Cost-Effectiveness:** WordPress is cost-effective in terms of development and maintenance. The availability of free themes and plugins, along with a competitive market of developers, makes it a budget-friendly choice for our project.
9. **Rapid Development and Deployment:** WordPress enables faster development and deployment compared to building a custom website from scratch. This means that we can get our website up and running more quickly, which is advantageous for time-sensitive projects.
10. **Compatibility and Integration:** WordPress easily integrates with various third-party tools, APIs, and services. This makes it straightforward to connect our website with other systems, such as email marketing, social media, and analytics tools, to streamline our operations and marketing efforts.

In summary, we selected WordPress for this website because it provides a well-rounded solution that aligns with our goals of user-friendliness, extensibility, cost-effectiveness, and security. Its large and active community, along with its rich ecosystem of themes and plugins, offers the flexibility and support required to create and maintain a successful online presence. With WordPress, we can efficiently manage and expand our website to meet both our current and future needs.

#### 3.4.4 Why MySQL Database ?

Certainly, the choice of a suitable database for a WordPress website can depend on various factors, but one popular and widely used database option for WordPress is MySQL. Here's why MySQL is a suitable choice for a WordPress website:

1. **Native Integration:** MySQL is the default and highly recommended database for WordPress. The platform is optimised for MySQL, and the majority of WordPress hosting environments are configured to work seamlessly with it.

2. **Open Source:** MySQL is an open-source relational database management system (RDBMS). It is cost-effective, as it's freely available, and this aligns with budget considerations.
3. **Community and Support:** MySQL has a large and active user community, which means that you can find extensive documentation, tutorials, and community-driven support. This can be invaluable for troubleshooting and optimising your database.
4. **Performance:** MySQL is known for its performance and efficiency, especially in read-heavy workloads. For content-driven WordPress websites with numerous read operations (like loading posts and pages), MySQL performs admirably.
5. **Scalability:** MySQL is scalable, which means it can handle increasing data and traffic as your website grows. Combined with WordPress's scalability features, you have a robust solution for growth.
6. **Security:** MySQL provides security features like user access control, data encryption, and authentication mechanisms. Regular security updates are released to address vulnerabilities, making it a secure choice.
7. **Data Backup and Recovery:** MySQL supports various backup and recovery options, making it easier to protect and restore your website's data in case of unforeseen events.
8. **Data Analytics:** MySQL can be integrated with various analytics tools and reporting systems, allowing you to gain insights into website performance and user behaviour.
9. **Reliability:** MySQL is known for its reliability and uptime. Downtime can be minimised, ensuring your website remains accessible to users.
10. **Cross-Platform Compatibility:** MySQL is compatible with different platforms and programming languages, making it versatile for various web applications and services.

Overall, MySQL is a reliable, well-supported, and performance-optimised database system that aligns perfectly with the requirements of a WordPress website. Its native integration, open-source nature, and compatibility with WordPress and its plugins make it an excellent choice for a wide range of web projects.

### 3.4.5 References and Citation (APA Format)

Suitable Solutions. (n.d.). Solar Energy Company

<https://drophills.com/solar/>

### 3.4.6 Gantt Chart

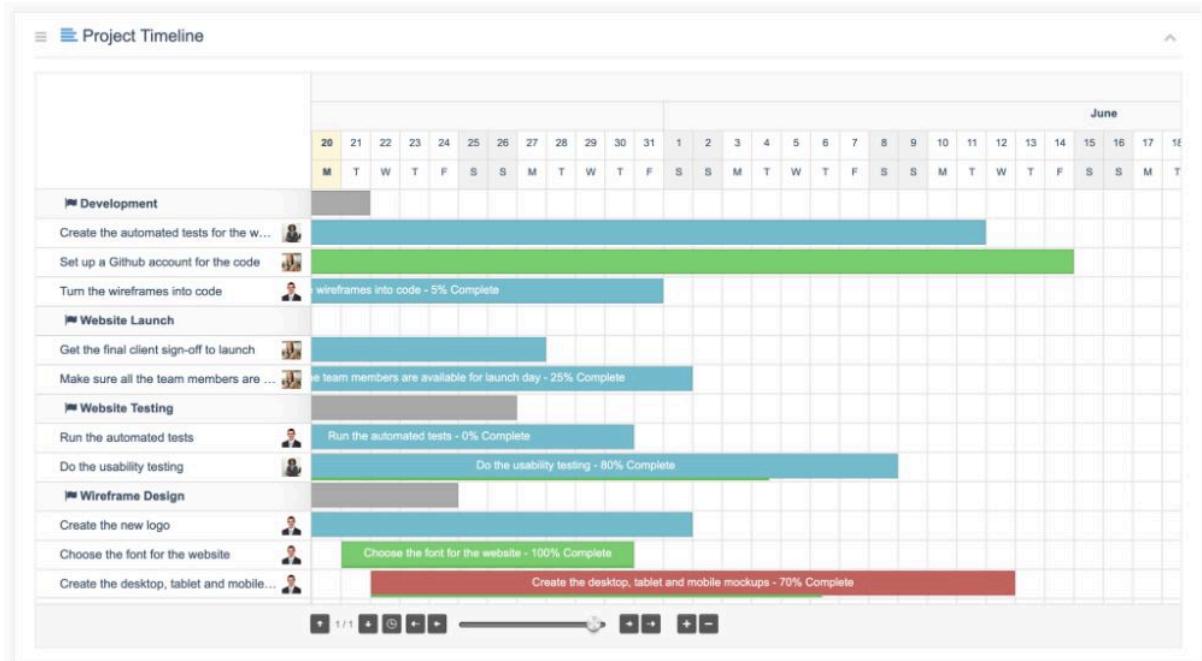


Fig 1.3 Gantt Chart

## **CHAPTER 4: CONCLUSION AND LEARNING OUTCOMES**

### **4.1 Conclusion**

The internship in WPDrops Web Services has provided a great opportunity to enhance my knowledge and skills. It helped me to gain the experience of working in a real and practical field and most importantly working in a team. Moreover, it presented an opportunity to work on a project related to my interest and specialisation. The main objective of the internship is learning the things that are necessary to get myself into the real field of work. It has given me the opportunity to understand this industry and how the work is actually done.

To conclude, I found that the internship was very beneficial as a part of the development of my career and the experience gained through this would be helpful and beneficial for my future opportunities. Besides developing a project, other lessons are also learnt and they are as follows:

The importance of communication to coordinate the tasks. How important it is to work in a team and the way to work in a team. How to bring ideas into the implementation. How to work within the time constraints. The process of gathering the information that is required to develop a software.

Overall, the internship program helped me develop skills such as handling real-world problems, working under the rules and regulations of an organisation, working under a deadline and under pressure. It helped me gain technical knowledge as well as professional experience which will be very helpful throughout my professional career.

### **4.2 Learning Outcome**

Three months in WPDrops Web Services as an intern was an invaluable experience for me. This was one great opportunity for me to learn in a professional environment. During this period, I've got a good knowledge and importance of time management and working multiple features under pressure to meet deadlines. Enhancement of the ability to think critically and independently has taught me so much. Starting a new internship meant adapting to a new team and working environment. I found that by placing an early emphasis on getting to know my co-workers and understanding their motivations, so

developing communication skills. This is a key lesson that I learned early in my career as an intern. When given a new project, I found it helpful to layout my work load with my mentors and establish priorities together so that I could direct my attention where it

mattered most. Always remember: your boss and team's success is your success. I understood that there was a vast difference between theoretical and practical knowledge throughout this internship.

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# APPENDICES

## Solar Energy Company

### Sustainable Solutions

A Trusted Solar Energy Company

Switching over to green-energy alternatives can be a confusing and stressful process for even the most informed and eco-conscious individual.

Thankfully, you can speak to a helpful residential solar consultant today and simplify the entire process! Our experienced team at Sustainable Solutions provides homeowners with the best value and experience in their transition to solar power.

Solar power is the go-to choice for homeowners who want to own their energy and reduce their carbon footprint. Sustainable Solutions works directly with homeowners to provide high-quality and cost-effective solar solutions with clear communication, so you know exactly what you're getting.



Hi there, have a question? Text us here.



### Sustainable Solar Solutions

We find the best solar energy providers, installers, and financiers in your area to offer the best cost-to-value solar system for your home. Our team is trained to fully evaluate your energy needs and find the most ideal solution for you.



### Values

Our solar energy company prioritizes transparency and ethics in our business practices. We strive to offer the most sustainable solar solutions for our customers. We will always remain open to critiques about how we can better serve our community. Please get in touch with our friendly team today to speak to an informed and helpful residential solar consultant—we look forward to finding the most sustainable solutions for your home!

Hi there, have a question? Text us here.



Get Started [Get Started](#) Get Quote [Get Quote](#)



### A Different Approach to Your Solar Solutions

Why Go With Us?

Hi there, have a question? Text us here.



When it comes to solar companies, we're a little different. Sustainable Solutions gives the homeowner the best cost-to-value deal on their solar system – all while maintaining an ethical business model.