



Tribhuvan University
Faculty of Humanities and Social Sciences

An Internship Report
On
Junior Web Developer
At
IFSD Organization
Submitted to
Department of Computer Application
NIMS College, Lalitpur

In partial fulfillment of the requirements for the Bachelors in Computer Application

Submitted by
Raj Kumar Karki
Reg. No. : 6-2-756-8-2019

Under the Supervision of
Nirmala Timilsena

2024 June

Certificate of Appointment



CERTIFICATE OF APPOINTMENT

This certificate is presented to

Raj Kumar Karki

*for joining the Institute for Study and Development
Worldwide (IFSD) as a Junior Web Developer on August 2023*

A handwritten signature in blue ink, appearing to read 'Priyanka', is positioned above a horizontal blue line.

PRIYANKA GURUNG
RESEARCH & PROGRAM CONSULTANT

A handwritten signature in blue ink, appearing to read 'Basundhara', is positioned above a horizontal blue line.

BASUNDHARA BHATTARAI
DIRECTOR

Letter of Employment from IFSD Company



INSTITUTE FOR STUDY AND DEVELOPMENT WORLDWIDE (IFSD)

28th March 2024

Subject: Letter of Employment for Mr. Raj Kumar Karki

I am writing to certify that Mr. Raj Kumar Karki, a student of Bachelor of Computer Application, has successfully completed his internship as a Junior Web Developer at the Institute for Study and Development Worldwide. His internship duration was from August 2023 to March 2024.

During his internship period, he showed commendable skills and dedication in managing various technical responsibilities, particularly in the field of WordPress development. He effectively handled the following tasks:

1. Designing and developing responsive IFSD's WordPress website
2. Provided timely solutions to ensure website functionality
3. Provided proper maintenance and support for IFSD websites, including updates and security enhancements.

Overall, his hardworking nature, excellent communication skills, and commitment to his work were evident throughout his internship.

We believe that Mr. Karki possesses the qualities and skills necessary to excel in all his future endeavors. So, we extend our best wishes to him for continued success in his academic and professional pursuits.

A handwritten signature in black ink, appearing to read 'Priyanka', with a stylized flourish underneath.

Priyanka Gurung
Research and Strategy Consultant
Institute for Study and Development Worldwide (IFSD)



Tribhuvan University

Faculty of Humanities and Social Sciences

NIMS College

Supervisor's Recommendation

I hereby recommend this internship report prepared under my supervision by **Raj Kumar Kakri** entitled “**Junior Web Developer**” in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

Signature

Nirmala Timilsena

Supervisor

Bachelor of Computer Application (BCA)

Nims College

Kanibahal, Lalitpur, Nepal



Tribhuvan University
Faculty of Humanities and Social Sciences
NIMS College

LETTER OF APPROVAL

This is to certify that this internship report prepared by **Raj Kumar Karki** entitled “**Junior Web Developer**” in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as an internship for the required degree.

<hr style="width: 40%; margin: 0 auto;"/> <p style="text-align: center;">Signature of Supervisor Nirmala Timilsena Supervisor Nims College Kanibahal Lalitpur, Nepal</p>	<hr style="width: 40%; margin: 0 auto;"/> <p style="text-align: center;">Signature of Coordinator Shyam Thapa Magar Coordinator Nims College Kanibahal Lalitpur, Nepal</p>
<hr style="width: 40%; margin: 0 auto;"/> <p style="text-align: center;">Signature Internal Examiner</p>	<hr style="width: 40%; margin: 0 auto;"/> <p style="text-align: center;">Signature External Examiner</p>

Acknowledgement

I would like to express my sincerest gratitude to the **IFSD Organization** for providing me with the opportunity to undertake my internship in their esteemed organization. I am deeply indebted to my internship supervisor **Nirmala Timilsena** for his guidance, support, and encouragement throughout the duration of my internship. His invaluable suggestions and constructive feedback helped me to improve my skills and knowledge, and I am truly grateful for the time and effort they invested in me.

I would also like to extend my thanks to the other members of the IFSD team for their support, cooperation and guidance during my internship. The experience gained in this organization has been invaluable and I am confident that it will hold me in good stead in my future career. Finally, I would like to thank my family and friends for their constant support and encouragement throughout the course of my studies and internship.

Raj Kumar Karki

Reg. No. : 6-2-756-8-2019

BCA 7th semester

Abstract

This report is the full documentation of an internship of a web developer. It outlines my 6 months intern at IFSD Organization. The internship provided a valuable opportunity to work with a team of experienced IT professionals and gain hands-on experience in the field of web development through remotely. I chose WordPress due to its popularity (powering over 40% of the internet) and its vast plugin ecosystem. Throughout my internship, I learned the fundamentals of web development, customized themes, built plugins, and optimized websites for performance. The flexibility of WordPress amazed me, and I also emphasized user experience and accessibility.

Keyword: Web Developer, WordPress, IFSD, Intern, WP

Table of Contents

Acknowledgement	I
Abstract	II
Table of Contents	III
List of Abbreviations	V
List of Figures	VI
List of Tables	VII
Chapter 1: Introduction	1
1.1 Introduction	1
1.2 Problem Statement	2
1.3 Objectives	3
1.4 Scope and Limitation	3
1.5 Report Organization	4
Chapter 2: Introduction to Organization	6
2.1 Organization Details	6
2.2 Organization Hierarchy	7
2.3 Working Domains of Organization	7
2.4 Description of Intern Department/Unit	8
Chapter 3: Background Study and Literature Review	10
3.1 Background Study	10
3.2 Literature Review	11
Chapter 4: Internship Activities	13
4.1 Roles and Responsibilities	13
4.2 Weekly log (Technical Details of Activities)	13

4.3 Description of the Project Involved During Internship	18
4.4 Tasks / Activities Performed	19
Chapter 5: Conclusion and Learning Outcomes	21
5.1 Conclusion	21
5.2 Learning Outcome	21
References	23
Appendices	24

List of Abbreviations

Table 1: List of Abbreviation

Abbreviations	Full Form
BCA	Bachelor of Computer Application
CMS	Content Management System
CSS	Cascading Style Sheets
DBMS	Database Management System
HTML	Hyper Text Markup Language
IFSD	Institute for Study and Development World Wide
IT	Information Technology
SEO	Search Engine Optimization
JS	JavaScript
QA	Quality Assurances
SQL	Structured Query Language
TU	Tribhuvan University
UI	User Interface
WP	WordPress

List of Figures

Figure 1 : Logo of IFSD 6

Figure 2 : IFSD Organization Hierarchy 7

List of Tables

Table 1 : List of Abbreviation.....	V
Table 2 : Weekly Tasks	13

Chapter 1: Introduction

1.1 Introduction

WordPress, content management system (CMS) developed in 2003 by American blogger Matt Mullenweg and British blogger Mike Little. WordPress is most often used to create blogs, but the program is sufficiently flexible that it can be used to create and design any sort of website. It is also an open-source product, so users can modify it for their own purposes.

WordPress was the successor to the blogging tool b2/caf  log, which was developed in 2001 by French programmer Michel Valdrighi. In 2002 Valdrighi stopped developing b2, but in January 2003 Mullenweg, a university freshman who was using b2, wrote on his blog that he would be willing to “fork” the blogging tool (that is, continue improving it without Valdrighi’s involvement). The next day Little left a comment on Mullenweg’s post that he would be willing to help. In May 2003 they released the first version, 0.7, of WordPress, a name suggested by blogger Christine Selleck. WordPress began a tradition of naming its major releases after famous jazz musicians in January 2004 with version 1.0 (Davis), named after American trumpeter Miles Davis. Version 1.2 (Mingus), released in May 2004, added support for plug-ins, independently developed programs that add new capabilities to WordPress sites. In February 2005, version 1.5 (Strayhorn) introduced themes, layouts for the designs of WordPress sites, many of which were created by WordPress users. In June 2010, version 3.0 (Thelonious) added the ability to manage multiple sites. By 2011 WordPress ease of use and flexibility had established it as the dominant CMS software; it was used by more than half the websites that used a CMS. As of 2022, it was estimated that about one-third of the top million most-visited websites and over 40 percent of all websites were run on WordPress. [1]

IFSD (Institute for Study and Development Worldwide) is a research, consulting, and training institute. They focus on connecting research, policy, and practical solutions to promote innovation in international development and environmental management. IFSD’s expertise includes conducting research to find real-world solutions, analyzing policies for positive impact, developing effective strategies, designing impact programs, evaluating their effectiveness, and fostering innovative approaches. They work in areas like water, agriculture, food security, forests, climate change, and environmental management.

Headquartered in Sydney, Australia, IFSD collaborates globally with experts and organizations to advance research and development. Key team members include Alexandra Tabares, Pasang Lama, Jagannath Adhikari, Basundhara Bhattarai, Zenith Khan, and others. For more information, you can contact IFSD at their headquarters: 1-5 George St Ste 3.02, Strathfield, New South Wales, 2135, Australia or by phone at +61 450088778. [2] IFSD Organization also uses WordPress websites to post their research blogs so that the people could access the blog and get information.

A web developer who works with WordPress builds and takes care of websites using this platform. WordPress is popular because it has many templates and tools that can be customized, making it easier to design and manage a website without starting from scratch.

Designing Websites: we use WordPress themes to create the overall look and style of a website, tailored to what the client wants.

Adding Features: we enhance websites by adding plugins and customizing settings for things like contact forms, photo galleries, online stores, and more.

Improving Speed and Performance: we ensure websites load quickly and run smoothly by adjusting images, managing plugins, and making the code work efficiently.

Ensuring Security: we implement measures to protect websites from cyber threats by regularly updating WordPress, themes, and plugins.

Offering Support: we provide ongoing help to solve problems, answer questions, and make updates to keep the website working well.

1.2 Problem Statement

During my internship working with WordPress, I encountered several challenges that gave me valuable learning experiences. One major issue I faced was the complexity of customizing themes to match specific Ifsd company requirements. Ifsd members had unique preferences, and sometimes it was challenging to find the right plugins or make adjustments to achieve their desired look and functionality.

Another difficulty was managing plugin conflicts. WordPress offers a vast library of plugins for various features, but sometimes these plugins didn't work well together,

causing errors or unexpected behavior on the website. Troubleshooting these conflicts required patience and thorough testing.

I also struggled with website performance optimization. Initially, I didn't realize the impact of image sizes, caching, and other optimization techniques on site speed. Learning to optimize these elements effectively was crucial for ensuring the websites I worked on loaded quickly and provided a smooth user experience.

I had to learn about WordPress security best practices, such as keeping themes and plugins updated, using strong passwords, and implementing security plugins. Understanding these measures was essential to protect the websites from potential threats.

1.3 Objectives

As an intern working as a web developer specializing in WordPress for a research organization, my objectives were clear and multifaceted. Firstly, I aimed to gain practical experience in translating the organization's research, policies, and initiatives into effective and user-friendly web solutions. This involved understanding the organization's mission and goals deeply to reflect them accurately through website design and functionality.

- i. To strength professional skills and impersonal relationships in professional settings.
- ii. To learn the impact and importance of work.
- iii. To develop meaningful career and experience.
- iv. To explore career interest and develop skills.
- v. To fulfill the Internship as TU requirement

1.4 Scope and Limitation

As an intern learning about WordPress in a research company, I've seen firsthand how this platform expands the company's capabilities and reach in several ways. The scope of the WordPress are given below:

1. **Versatility:** WordPress allows me to create a wide range of websites, from simple blogs to complex e-commerce sites, using its themes and plugins.

2. **Learning Opportunities:** It provides a great platform to learn about web development, including HTML, CSS, PHP, and JavaScript, as I customize themes and plugins.
3. **Community Support:** There's a large WordPress community where I can seek advice, find tutorials, and collaborate with others to improve my skills.
4. **Client Solutions:** WordPress enables me to build websites that meet specific client needs, whether it's for businesses, nonprofits, or personal projects.

The limitation of the WordPress are given below:

1. **Customization Constraints:** While themes and plugins offer a lot of flexibility, sometimes they might not perfectly match a company's unique requirements without additional coding or customization.
2. **Performance Considerations:** Using too many plugins or poorly optimized themes can affect website speed and performance, requiring careful management and optimization.
3. **Security Challenges:** WordPress sites can be vulnerable to security breaches if themes and plugins are not regularly updated or if weak passwords are used.
4. **Technical Complexity:** Advanced customization or troubleshooting can require deeper technical knowledge beyond basic WordPress skills, which may pose challenges for beginners.

1.5 Report Organization

The font for the report is numbered in times new roman from page number 1. The page number should be inserted at the bottom, aligned is in center. The margin of paper must be set as Top = 1, Bottom = 1, Right = 1, Left =1.25. The paper size corresponds to A4. All paragraphs must be justified and have a spacing of 1.5 and the content of the document should be in Times New Roman Font. The font size for the heading is 16 where section heading, sub-section heading and paragraph have 14, 12 and 12 respectively. All the headings are bold faced. The position of figures and tables should be aligned center. The figure caption should be centered below the figure and table captions should be centered above the table. All the captions should be of bold face with 12 font size.

This intern report contains 5 chapters which have it owns topic and description. In **chapter 1**, we deals about general introduction of the system. It answers “what the system is?”, “What this system does?” It also states problem of statement what existing problem lags. Objective of the project, scope and limitation in detail. In **chapter 2**, we describe the details of the organization and its hierarchy. It includes working domains of the organization and talks about the intern department or unit. In **chapter 3**, we describe about literature review and background study. In **chapter 4**, we describe about what roles and responsibilities participants played and their weekly log. It deals about the description of project which is involved during internship and the tasks or activities performed while doing this project. In **chapter 5**, we describe about Conclusion and Learning outcome.

Chapter 2: Introduction to Organization

2.1 Organization Details

The Institute for Study and Development Worldwide (IFSD) is a research and consulting organization based in Sydney, Australia. Their work extends internationally, covering applied, strategic, and policy-oriented research. They collaborate with government agencies, universities, non-profit organizations, and businesses. IFSD specializes in environmental management and international development, focusing on critical areas such as water management, agriculture and food security, forested landscapes, climate change, rural livelihoods, and disaster risk management. Their consulting services include strategic planning, policy analysis, program formulation, and evaluation. With a geographic reach spanning Australia, New Zealand, the Pacific, East Asia, and South Asia, IFSD aims to integrate research, community voices, stakeholder concerns, and policy visions to develop actionable solutions for sustainable development. [3]

It is an international research and development organization that provides expert advice to governments, international agencies, universities, community groups, and the private sector, aiming to foster resilient and inclusive development across Asia, the Pacific, and Africa. By collaborating with communities and stakeholders, we co-develop new tools, policies, and guidance to address complex challenges such as climate change, water and food insecurities, ecosystem degradation, inequality, poverty, and marginalization. This involves merging scientific insights, practical experience, and local knowledge, and partnering with global and local entities. One of IFSD's notable strengths lies in its systemic solutions, including pioneering co-production methods influencing governance reform and advancing gender transformation approaches. Through nurturing change champions and fostering a transnational community of practice, IFSD creates lasting positive impacts in the pursuit of justice and sustainability. [4]



Figure 1: Logo of IFSD

2.2 Organization Hierarchy

Organizational hierarchy refers to the structure of authority and responsibility within an organization which outlines how roles, responsibilities, and decision-making authority are distributed among different levels of management and staff. An organizational hierarchy for IFSD Organization, a Research company are structured as shown below:

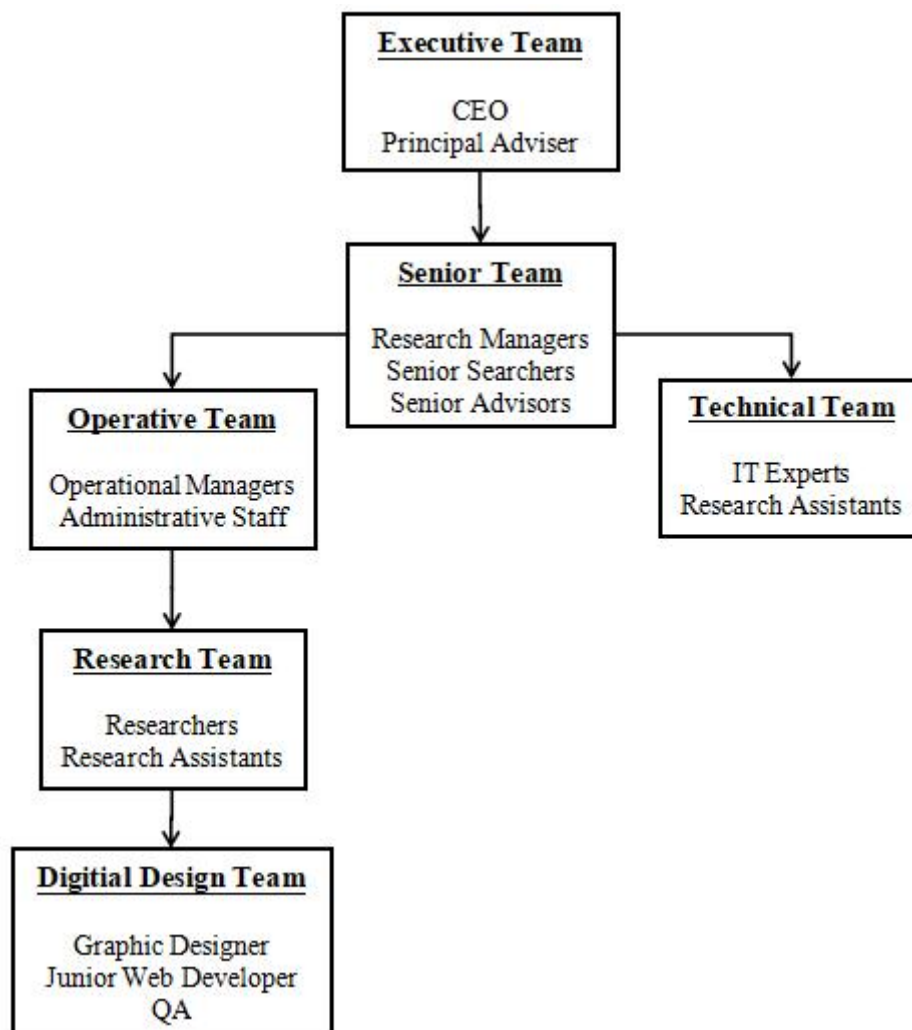


Figure 2: IFSD Organization Hierarchy

2.3 Working Domains of Organization

In today's times almost every company has its own websites and website would be the better medium of providing information about the company to the people. People do a Google search about the company. So, it is mandatory to have a website for any organization. The Institute for Study and Development Worldwide (IFSD) is a dynamic organization that operates at the intersection of research, development, and technology

through websites. As IFSD is a research company that focuses on studying and disseminating information about natural calamities, floods, disasters, and water-related issues through its WordPress based website.

The company domain involves researching the causes, impacts, and mitigation strategies for these environmental challenges. The company aim to raise awareness, educate the public, and provide insights into innovative solutions that address these critical issues through their blogs and publications. The website serves as a platform to share findings, data visualizations, and practical recommendations, fostering a community interested in understanding and responding to natural disasters and water-related challenges worldwide.

2.4 Description of Intern Department/Unit

The Executive Team (CEO and Principal Adviser) provides overall leadership and strategic direction. The Senior Team includes Research Directors/Managers, Senior Researchers, and Senior Advisers who oversee research initiatives and project management. The Operative Team consists of Operational Managers and Administrative Staff who handle day-to-day operations and administrative tasks. The Technical and IT Team includes IT Experts and Technical Team members who manage IT infrastructure, systems, and technical support. The Research Team is responsible for conducting primary research, supported by Research Assistants. The Digital Design Team includes Graphic Designers, Junior Web Developers, and QA (Quality Assurance) specialists who focus on digital content creation, web development, and ensuring the quality of digital products and websites.

Technical team developer the website, host account and domain of website using the WordPress theme and plugins. They customize WordPress themes to match the organization's look and needs. This included making design changes, adjusting layouts, and ensuring the websites worked well on different devices and browsers. Digital design team design the photos and banners using canva for the blogs. I was working under the guidance of the technical team and digital design teams as to learn more about the WordPress and canva.

My internship description table is shown below which shows my organization name, start and end date of intern, total duration of intern, my position, working hours and location.

Table 1.1: Internship Description Table

Organization Name:	IFSD
Start date:	5 th August, 2023
End date:	10 th March, 2024
Total duration:	6 Months
Intern position:	Junior Web Developer
Office Hour:	2 hours per day
Location:	Remotely

Chapter 3: Background Study and Literature Review

3.1 Background Study

WordPress is a content management system (CMS) that has been around since 2003. It is an open-source platform that allows users to create websites and blogs with ease. It is one of the most popular CMSs in the world, and its popularity continues to grow. In this article, we will take a look at the history of WordPress and how it has evolved over the years. The story of WordPress began in April 2003 when Matt Mullenweg created a fork of b2, a blogging platform, and stored it on Source forge. This marked the beginning of WordPress as we know it today.

Soon after, the WordPress community began to expand rapidly as users could easily extend the platform with plugins and themes. In 2004, the first version of WordPress was released. This version included features such as a plugin architecture and a template system. It also included a new podcast called The WordPress Chick, which was presented by Kim Doyal, a well-known member of the WordPress community.

By 2005, there were over 2500 books related to WordPress available on the market. This included Automattic's Free WordPress Guide as well as thousands of third-party books. This same year also saw the introduction of themes, which allowed users to customize their websites with ease. In 2006, some really cool plugins were released that allowed users to create powerful e-commerce platforms on top of WordPress. This led to a rapid growth in online stores created with WordPress and moved it away from its traditional “blog” website image. In 2009, Automattic purchased WooCommerce, the most popular WordPress e-commerce plugin (the company founded by WordPress co-founder Matt Mullenweg).

This was a significant moment in the history of WordPress as it assured that the platform would continue to grow and not depend on any one company or group of developers. In 2010, thanks to the customization API and the WordPress team's new approach to the theme customizer, developers began creating several customization frameworks to improve and provide a unique editing experience for WordPress users. Later that year, WordPress Wiki was dubbed “Codex”, a term suggested by Monkinetic in a WordPress chat room. In 2011, marketplaces began popping up all over the web that allowed users to

connect with different WordPress developers, users and contractors. These marketplaces became almost like a microcosm of the entire WordPress community. In 2018, Matt Mullenweg announced that the future of WordPress would continue to focus on Gutenberg and would revolve around four main priorities that its developers have maintained since the beginning. Later that year, Gutenberg was introduced as part of the core platform.

This block editor helps beginners and developers alike create beautiful websites at any scale using WordPress. Today, there are many services available for those looking for help with their WordPress websites. These include individual coaching services, help with theme selection and 10-point WordPress reviews as well as monthly memberships where you can access premium tutorials on questions related to WordPress. With so many entrepreneurs turning to WordPress in search of a cheaper web alternative, there are now many WordPress consultants available who can help them get started. [5]

3.2 Literature Review

During my internship at IFSD Company as a Junior Web Developer, I worked on a crucial project that was creating their main website using WordPress. This website was vital because it was the main way they shared important research about natural disasters, floods, and water-related issues with people worldwide.

1. Theories Implemented:

During my internship, I used what I learned in web development classes to actually build things for the company's website:

WordPress Development: Utilized WordPress's CMS capabilities to build and customize themes tailored to reflect IFSD's mission and branding.

Frontend Development: Implemented responsive design techniques to ensure the website was accessible and functional across various devices.

Backend Integration: Integrated essential plugins and APIs to enhance website functionality, such as interactive data visualizations and content management tools.

User Experience (UX) Design: Focused on intuitive navigation and user-friendly interface design to optimize user engagement and retention.

2. Results Achieved:

we accomplished important goals by working hard on development tasks and teaming up with colleagues:

Customized Website Design: Successfully developed and launched a visually appealing website that reflected IFSD's research focus and brand identity.

Enhanced Functionality: Implemented features such as search functionalities, document repositories, and interactive maps to facilitate easy access to research publications and resources.

Optimized Performance: Ensured fast loading times and seamless navigation through performance optimization techniques and caching strategies.

Security Measures: Implemented robust security protocols to protect user data and maintain website integrity against potential vulnerabilities.

3. Impact and Significance:

The successful completion of the Junior Web Developer internship project had a profound impact:

Knowledge Dissemination: Provided a centralized platform to share research findings and insights, fostering global awareness and education on environmental issues.

Community Engagement: Facilitated discussions and collaborations among stakeholders, policymakers, and the public on disaster preparedness and sustainable water management practices.

Organizational Growth: Elevated IFSD Company's online presence and credibility as a thought leader in environmental research and advocacy.

Chapter 4: Internship Activities

4.1 Roles and Responsibilities

During my internship as a web developer specializing in WordPress at IFSD, I had important responsibilities. My main roles was to help create and maintain IFSD websites using WordPress, which is widely used for building and managing sites. Under the guidance of the technical and IT teams, I learned how to customize WordPress themes to match the organization's look and needs. This included making design changes, adjusting layouts, and ensuring the websites worked well on different devices and browsers.

I also helped manage plugins in WordPress to add features like SEO, security improvements, and better performance. This involved installing, setting up, and updating plugins to ensure the websites ran smoothly.

Throughout my internship, I worked closely with the technical and IT teams to solve technical issues and make the websites more user-friendly. I learned how to communicate well in a team, explain technical concepts clearly, and handle the fast-paced nature of web development projects.

Overall, my internship gave me practical experience and skills in customizing websites, managing plugins, and problem-solving in WordPress. It was a valuable opportunity to apply what I learned in school to real-world projects and contribute to the organization's online presence.

4.2 Weekly log (Technical Details of Activities)

The required duration of internship for BCA affiliated to TU, demands the time span of 12 weeks. So the internee worked for following time frame.

Table 2: Weekly Tasks

Week	Date	Tasks
1 st	(6th - 11th) August	<ul style="list-style-type: none">● Orientation: Learned about company processes and tools.● WordPress Setup: Installed WordPress on a

		<p>local server.</p> <ul style="list-style-type: none"> ● Theme Selection: Picked and explored a base theme. ● Initial Customization: Adjusted the theme's design. ● Basic Layout: Created layouts for key pages. ● Team Meetings: Discussed project goals with senior developers.
2 nd	(13th - 18th) August	<ul style="list-style-type: none"> ● Page Templates: Designed custom page templates. ● Content Integration: Added text, images, and videos. ● Basic Functionality: Set up navigation menus and footers. ● Plugin Installation: Installed SEO, security, and contact form plugins. ● Initial Testing: Tested core functions. ● Feedback Session: Applied feedback from senior developers.
3 rd	(20th - 25th) August	<ul style="list-style-type: none"> ● Advanced Customization: Added advanced design features ● Interactive Elements: Added sliders and galleries. ● Form Development: Customized contact forms. ● Cross-Browser Testing: Checked compatibility across browsers

		<ul style="list-style-type: none"> ● Bug Fixes: Fixed issues found during testing. ● Documentation: Documented changes and features.
4 th	(27 th - 31 th) August	<ul style="list-style-type: none"> ● Responsive Design: Ensured mobile compatibility. ● Performance Optimization: Improved website speed. ● Content Management: Added research publications and case studies. ● Advanced Features: Developed search functions and data filters. ● Testing and Debugging: Identified and fixed issues. ● Team Review: Discussed progress and next steps.
5 th	(3 rd - 8 th) September	<ul style="list-style-type: none"> ● Custom Widgets: Created widgets for dynamic content. ● SEO Enhancements: Improved search engine visibility. ● Security Measures: Applied SSL and security plugins. ● User Roles: Set up user roles and permissions. ● Usability Testing: Ensured the website was user-friendly. ● Feedback Implementation: Refined features based on testing.
6 th	(10 th - 15 th) September	<ul style="list-style-type: none"> ● Third-Party Tools: Integrated Google

		<p>Analytics and social media feeds.</p> <ul style="list-style-type: none"> ● Custom Post Types: Created post types for research. ● Bug Tracking: Used JIRA to log and track bugs. ● Continued Testing: Tested new features. ● Design Refinements: Improved design based on feedback. ● Weekly Review: Updated the team on progress.
7 th	(17 th - 22 nd) September	<ul style="list-style-type: none"> ● Advanced Functionality: Developed interactive charts. ● Content Updates: Updated research findings and news. ● User Experience Enhancements: Improved navigation. ● Quality Assurance: Checked all features for correctness. ● Documentation Updates: Updated documents with new features. ● Client Review: Presented progress to clients.
8 th	(24 th - 29 th) September	<ul style="list-style-type: none"> ● Final Adjustments: Made changes based on feedback. ● Pre-Launch Testing: Conducted final tests before launch. ● Launch Preparation: Finalized content and features.

		<ul style="list-style-type: none"> ● Deployment: Assisted with going live. ● Post-Launch Testing: Monitored and fixed issues post-launch. ● Issue Resolution: Addressed new issues after launch.
9 th	(1 st - 6 th) October	<ul style="list-style-type: none"> ● Ongoing Maintenance: Monitored website performance. ● Feature Enhancements: Added new features. ● Content Management: Updated website content. ● Security Checks: Performed regular security updates. ● User Feedback: Analyzed feedback for improvements. ● Team Meetings: Discussed ongoing work and updates.
10 th	(8 th - 13 th) October	<ul style="list-style-type: none"> ● Performance Tuning: Improved load times and server response. ● Bug Fixes: Fixed bugs from user reports and testing. ● SEO Updates: Adjusted SEO strategies. ● Feature Testing: Ensured new features worked. ● Documentation: Updated with recent changes. ● Client Update: Provided progress update to clients.
11 th	(15 th - 20 th) October	<ul style="list-style-type: none"> ● User Training: Trained users on website features

		<ul style="list-style-type: none"> ● Data Backup: Set up regular backups. ● Feature Refinements: Improved features based on feedback. ● Quality Checks: Final checks to ensure standards. ● Feedback Review: Reviewed feedback for future updates. ● Weekly Report: Summarized completed tasks.
12 th	(22 nd - 27 th) October	<ul style="list-style-type: none"> ● Final Review: Ensured all aspects of the website were complete. ● Knowledge Transfer: Prepared documentation for future use. ● Project Wrap-Up: Finished remaining tasks. ● Final Presentation: Presented project summary. ● Internship Reflection: Reflected on internship experience. ● End-of-Internship Report: Created a comprehensive report.

4.3 Description of the Project Involved During Internship

During my internship, I worked as a junior web developer specializing in WordPress and a graphic designer using Canva at IFSD. My main tasks involved customizing WordPress themes to match the organization's branding and functional requirements. This included making design adjustments and optimizing site performance with plugins for better SEO. I designed graphics, infographics, and featured images for blogs and website posts using Canva, ensuring they aligned with our brand's look and feel.

Throughout the internship, I faced challenges like troubleshooting technical issues and managing multiple deadlines while maintaining quality. This experience provided me

with hands-on skills in WordPress customization, plugin management. It also improved my ability to collaborate effectively within a Technical team, delivering innovative digital solutions that met our organizational goals. Overall, this internship enriched my understanding of web development and graphic design in practical settings.

4.4 Tasks / Activities Performed

As an intern, I have work on WordPress as web development at IFSD where I have engaged in various tasks and activities to enhance the skills and contribute to real-world projects. I was involved in creating the website from start to finish. My job included planning, developing, and launching the site to ensure it met the company's needs.

First, I worked with senior developers and company stakeholders to understand what they wanted from the website. This involved discussing the site's structure, layout, and features to make sure it matched the company's research focus and branding. I needed to think carefully about how the website would look and function to provide a good user experience.

Once I had a clear idea of the requirements, I set up the WordPress environment. This meant installing WordPress on a web server, adjusting the settings, and choosing a theme that would serve as the base design for the site. I either customized existing themes or created new ones from scratch to give the website a unique look.

A major part of my role was building and adding different parts to the website. I designed and created custom page templates using PHP, HTML, and CSS for key pages like the homepage, about page, research publications, and contact page.

Besides working on the front end, I also managed the back end of the website. This involved setting up and customizing WordPress plugins to add features like SEO tools, security measures, and contact forms. When available plugins didn't meet our needs, I created custom plugins to add specific functionalities. This required understanding how WordPress works behind the scenes with hooks, actions, and filters. Ensuring the website looked and worked well on all devices was another important task. I tested the site on different screen sizes, from desktops to smartphones, using responsive design techniques to make sure everything displayed correctly and worked smoothly.

During development, I focused on writing clean and efficient code and following best practices for WordPress. This included optimizing images and scripts to improve the site's load times and performance, making sure it could handle high traffic.

When it was time to launch the website, I prepared it by running final checks to ensure everything was working as expected. I also helped migrate the site from the development environment to the live server, making sure the transition was smooth and didn't cause any downtime.

After the site went live, I continued to support and maintain it. This involved monitoring the site for issues, responding to user feedback, and making updates as needed. I also performed regular backups, applied security patches, and kept everything up-to-date with the latest WordPress versions and plugins.

Through this internship, I gained practical experience in both front-end and back-end web development. I learned to use various tools and technologies and developed a strong understanding of how WordPress works. My tasks combined technical skills, problem-solving, and creativity to deliver a functional and visually appealing website that met the research company's needs. This experience significantly enhanced my development skills and gave me valuable insights into the web development process.

Chapter 5: Conclusion and Learning Outcomes

5.1 Conclusion

In conclusion, my internship at IFSD company as a WordPress web developer has been incredibly valuable for my learning journey. During this internship, I applied what I learned in university to real projects. I gained practical skills in building, customizing, and maintaining websites.

Working with WordPress taught me how important content management systems are in modern web development. I learned to create and customize website themes, add plugins for extra features, and ensure websites look good on all devices. These skills are crucial for meeting client needs and creating user-friendly websites.

One of the best parts of my internship was working with experienced developers. They gave me great advice, feedback, and showed me the way of doing it by being humble and kind. This helped me improve not only my technical skills but also how well I work in a team.

This internship also boosted my problem-solving skills. I faced challenges like fixing code issues, making websites load faster, and keeping them secure.

Looking forward, I'm excited to keep learning about web development, especially with WordPress. I want to use what I've learned here in future projects. I'm confident that everything I've learned will help me achieve my goals in web development.

I want to thank IFSD for giving me this opportunity and my mentors for supporting me along the way. This internship has been a big step forward in my career and has reminded me how much I love working with web development and technology.

5.2 Learning Outcome

When I started my internship in IFSD. I was totally new to the environment. But I was always enthusiastic to learn about new things. As a fresher, I felt challenges how this Wordpress is monitored and develop it. But day by day, I was habituated and felt self-confident. Therefore, it was hard and challenging for me to adapt with this daily routine. Although it is always difficult and challenging to learn new things but I think that, I was able to cope with these challenges.

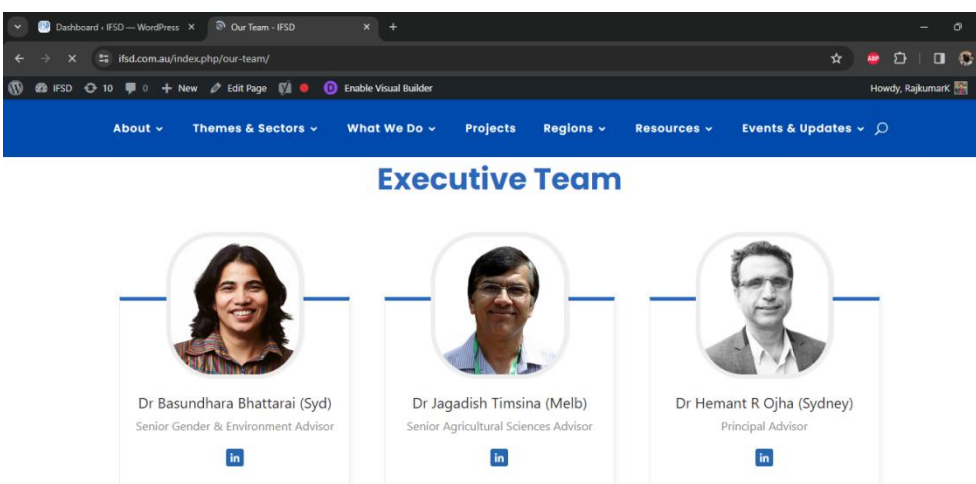
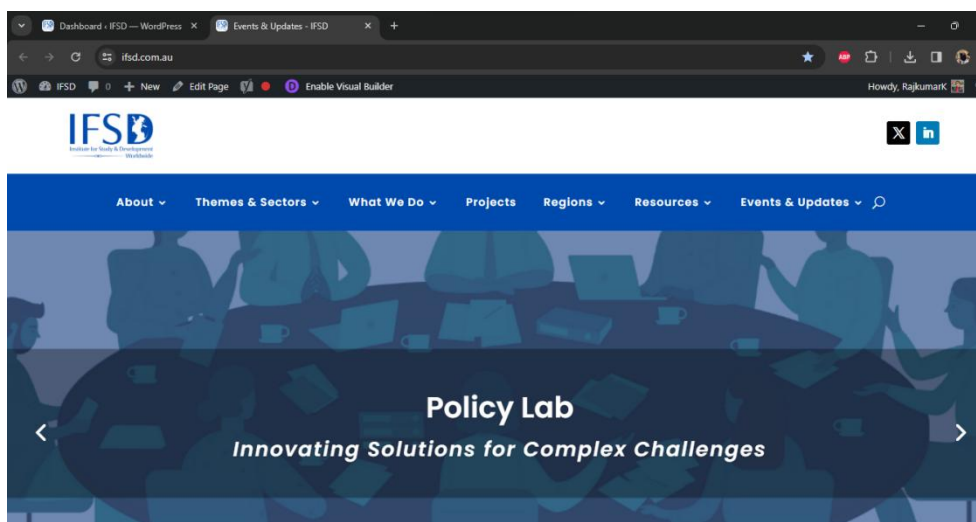
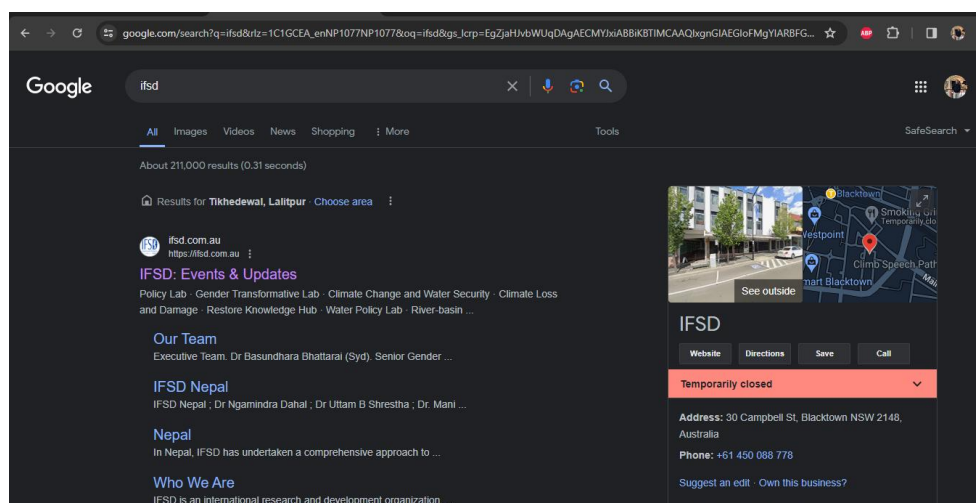
As an intern, my goal was to find out if there was any problematic case within Wordpress website. If there was such case I tried to come background check if any solutions is there. Sometimes I tried to come up with suggestions with existing system and its improvement. As there were large data set it was not always easy to come up with a shorter way to solve the problems. I learned how to solve the problems occurs and how plugins, page and post works. Working at IFSD provides the internee with the following aspects:

- i. Real life working experience in a company.
- ii. Provided timely solutions to ensure website functionality.
- iii. Importance of time and punctuality.
- iv. Time management skills.
- v. Time commitment while doing any work.

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Appendices



Log In - IFSD - WordPress

ifsd.com.au/wp-login.php?



Username or Email Address

Password

☐ Remember Me

Lost your password?

[Go to IFSD](#)

Dashboard - IFSD - WordPress

ifsd.com.au/wp-admin/

Howdy, RajkumarK

[Edit Profile](#) [Log Out](#)

Hey! How do you like Contact Form DB Divi so far? Test all our awesome premium features with a 7-day free trial. No credit card required! [Start free trial](#)

Contact Form DB Divi

Object Cache Pro

Status: **Connected** Drop-in: **Valid**

Cache: 166 MB of 394 MB

[Flush Cache](#) [Disable](#)

Response Times

Requests

Site Health Status

Quick Draft

Title

Content

What's on your mind?

[Save Draft](#)

Your Recent Drafts

Advancing Climate Loss and Damage Response in Nepal (Sample) November 27, 2023
In recent years, Nepal has experienced devastating climate-related disasters. The...

WordPress Events and News

Posts - IFSD - WordPress

ifsd.com.au/wp-admin/edit.php

Howdy, RajkumarK

[Screen Options](#) [Help](#)

[Add New Post](#)

All (41) | Mine (35) | Published (39) | Drafts (2) | Cornerstone content (0)

Bulk actions: [Apply](#) All dates: [All Categories](#) [All SEO Scores](#) [All Readability Scores](#) [Filter](#) [Search Posts](#)

41 items 1 of 3

<input type="checkbox"/>	Title	Author	Categories	Tags		Date			
<input type="checkbox"/>	Operationalising the Loss and Damage Fund: Delivering Finance to the Most Vulnerable	ifsd-editorial	Policy Insights	—	—	Published 2023/12/01 at 11:26 am	●	●	1 0
<input type="checkbox"/>	IFSD at COP28 United Nations Climate Change Conference	ifsd-editorial	Past Events	—	—	Published 2023/11/28 at 3:02 am	●	●	0 0
<input type="checkbox"/>	Advancing Climate Loss and Damage Response in Nepal (Sample) — Draft	RajkumarK	Uncategorized	—	—	Last Modified 2023/11/27 at 10:50 am	●	●	0

