A

Final Year Internship Proposal

On "Even Management"

At

"Teispace"

Submitted in Partial Fulfillment of the Requirement for Degree of Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) Awarded by Tribhuvan University

Submitted by:

Nabaraj Malla Thakuri (25049/076)

Submitted to:

Institute of Science and Technology Tribhuvan University

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Mount Annapurna Campus

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ABSTRACT

This internship proposal aims to outline a comprehensive plan for gaining practical experience in event management project. An event management is a web-based application that leverages the power of the MERN stack- MongoDB, Express.js, React.js and Node.js- to create a comprehensive platform for planning, organizing and managing events seamlessly. The project encloses a user-friendly web application where event organizers can create and customize events, manage guest lists. Attendees, on the other hand, can explore upcoming events, register, and interact with event details. As a key features project will include user authentication and authorization for secure access, integration of interactive maps for event locations and venues and robust analytics dashboard for tracking event metrics and attendee management.

Through this internship, I aim to enhance my skills in Nodejs backend development, gain insight into web application development. The internship proposal outlines a detailed plan to accomplish these objectives and provides a foundation for a valuable and rewarding internship experience.

Keywords: event management, web application, event planning, MERN stack, Agile

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CHAPTER 1 : INTRODUCTION

1.1. Introduction to Internship

The internship is six credit (minimum ten weeks/180 hour long) as a part of the course requirement included in 'Bachelor of Science in Computer Science and Information Technology' a course affiliated by Tribhuvan University. During an internship, students are immersed in the day-to-day operations of the organization, gaining insight into industry practices, workplace culture, and professional expectations. Students often work closely with experienced professionals, mentors, or supervisors who provide guidance, feedback, and mentorship.

In summary, internships play a vital role in bridging gap between academic learning and professionals practice, equipping individuals with the skills, experience and connections needed to thrive in their chosen field.

1.2. Introduction to Project

Event management project aims to streamline the process of planning, organizing, and executing events with efficiency and ease. Leveraging the power of the MERN (MongoDB, Express.js, React.js, Node.js) stack, we are developing a comprehensive platform that empowers event organizers to create memorable experiences while simplifying the complexities of event logistics.

With a focus on user experience and scalability, our project endeavors to provide intuitive tools and functionalities for tasks such as event creation, guest management, registration, and communication. By adapting modern technology and best practices in event management, we aim to revolutionize the way events are planned and executed, ensuring a seamless and enjoyable experience for organizers and attendees alike.

1.3. Problem Statement

In the domain of event management, organizers often encounters significant challenges in coordinating the large number of tasks involved in planning, organizing, and executing a successful events. These challenges range from efficient communication and coordination among stakeholders to complex logistic processes and resource constraints. As a result event organizers frequently struggle to deliver seamless and memorable experiences for attendees while efficiently managing time, budget and resources

CHAPTER 2 : OBJECTIVES

2.1. Objectives of Internship

The objectives of the internship, from a general student perspective, are to gain practical experience in a professional work environment, apply theoretical knowledge to real-world projects, and develop important skills and competencies relevant to the chosen field of study. This includes enhancing technical skills, improving problem-solving abilities, strengthening communication and collaboration skills, and gaining a deeper understanding of industry practices and standards. Additionally, the internship aims to provide an opportunity for personal and professional growth, fostering self-confidence, adaptability, and a sense of responsibility as a future professional in the chosen field.

The objectives of internship are as follows:

- To give students the opportunity to re-examine their career objectives and explore the variety of opportunities in the field of computer networking.
- To be able to work in team, maintain good public relation and develop strategic problem-solving skills.

2.2. Objectives of Project

With the development of this project, we aim to meet the following objectives:

- To enhanced attendee experience.
- To optimize resources usage.

CHAPTER 3 : INTERNSHIP DESCRIPTION

3.1. Organization Description

Teispace is a service-based company that encircle people passionate about web and mobile technologies. They believe in the idea of making the web more entertaining, interesting and appealing. As a creative agency, they are sure that with clients who are as passionate as they are, can achieve the very best result. They take each and every project as a new adventure. It is a new chance to learn, create something interesting and unique. Every project they undertake will have a team of experts who can design your project in the most creative and professional way.

Figure 1: Teispace Logo

Table 1: Organizational Information

Name	Teispace Pvt. Ltd.
Address	Machhapuchhhre -04, Pokhara
Phone	+977 9802852724
Email	info@teispace.com
Website	https://teispace.com

3.2. Description of Internship Project

During the internship, as a Nodejs developer, my primary focus will be on the development of the event management backend development. The project aims to create a comprehensive ecommerce application that allows event organizer to seamlessly organize their event and enhanced attendee experience. The intern will be responsible for implementing key functionalities such as user authentication and authorization, integrating payment system. Additionally, collaboration with the project team and adherence to coding standards will be essential to ensure the successful delivery of a high-quality, user-friendly application.

3.3. Description of Internship Duration

As per the requirement of the curriculum of BSc. CSIT 8th Semester, the minimum requirement of internship period is 10 weeks/180 hours. It consists of different phase of training or tasks performed with a specific objective for each phase. Each phase shows the progress of intern in internship. It also consists of information about how and when interns will accomplish objectives of each task.

Table 2: Internship Description Table

Start Date	15th April, 2024
Duration	10 Weeks
Office Hours	11:00 am – 5:00 pm
Working hours	5 hours per day
Working Days	5 days a week (Monday, Tuesday, Wednesday, Thursday, Friday)
Position	Intern
Mentor	Mr. Krishna Adhikari

3.4. Internship Plan

3.4.1. Internship Activities

The internship plan consists of several key activities and milestones to be accomplished throughout the internship period. The plan is designed to provide a structured approach to the development process and ensure the intern's growth and learning.

Orientation and Project Familiarization: In the first stage, there will be introduction to the project's objectives, requirements, and technologies. With the help of senior developer, I will be making me familiar with the existing codebase, project documentation, and development guidelines.

Feature Development: This is the major stage in development of the application where majority of time will be contributed to the development of key features, such as user authentication, authorization, event detail, payment integration. During this stage, various strategies of development will be followed including best practices, write clean and efficient code, and participate in code reviews.

Testing and Bug Fixing: During this phase, I will be conducting thorough testing of the application along with Quality Assurance team, identifying and resolving any bugs or issues. We will be working closely together to ensure a high level of reliability and performance.

Documentation and Reporting: The final phase includes documenting the work performed during the development life cycle, including code documentation and project reports, to ensure clarity and maintainability. However, documentation will be performed each day by logging activities performed in the day.

3.4.2. Development Methodology

The Software Development Life Cycle model can be said as the sequence of stages that are performed in order to develop the application, the steps can be planning, analysis, designing, implementing and testing. The Software Development Life Cycle model that is going to be used while developing this application is the Iterative Development. (Ledin, 2001) The iterative model applies primarily to the software portion of a development. This model is represented as a cycle that may be completed several times during a development project. The key idea is that during each cycle a working prototype of the software is produced and made available for testing and user interaction. The reason behind choosing Iterative development model is that, in this model the various versions of applications are developed with adding each new feature in the application on each update and since the project that I was working on was the office internal project and didn’t have any clear requirement so many versions of the application were developed and according to the user feedback new features were added and the application was update.

(Ledin, 2001) The following figure shows iterative software development process cycle.

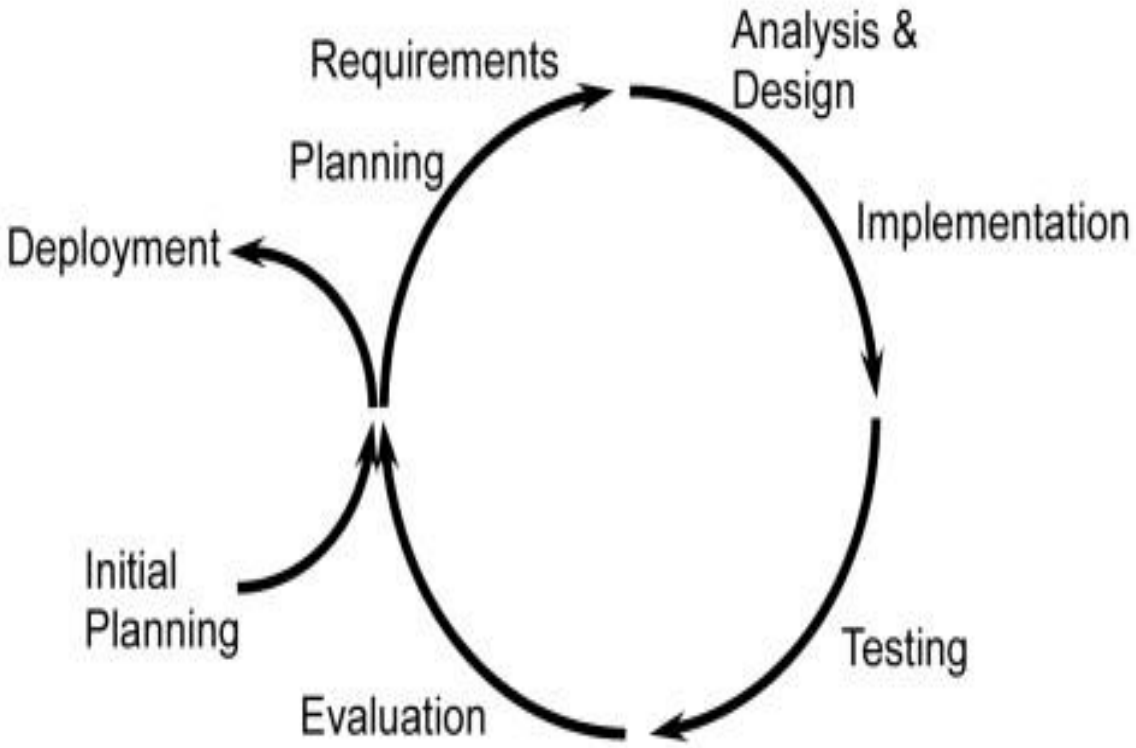

Figure 2: Iterative Software Development Cycle

3.4.3. Gantt Chart

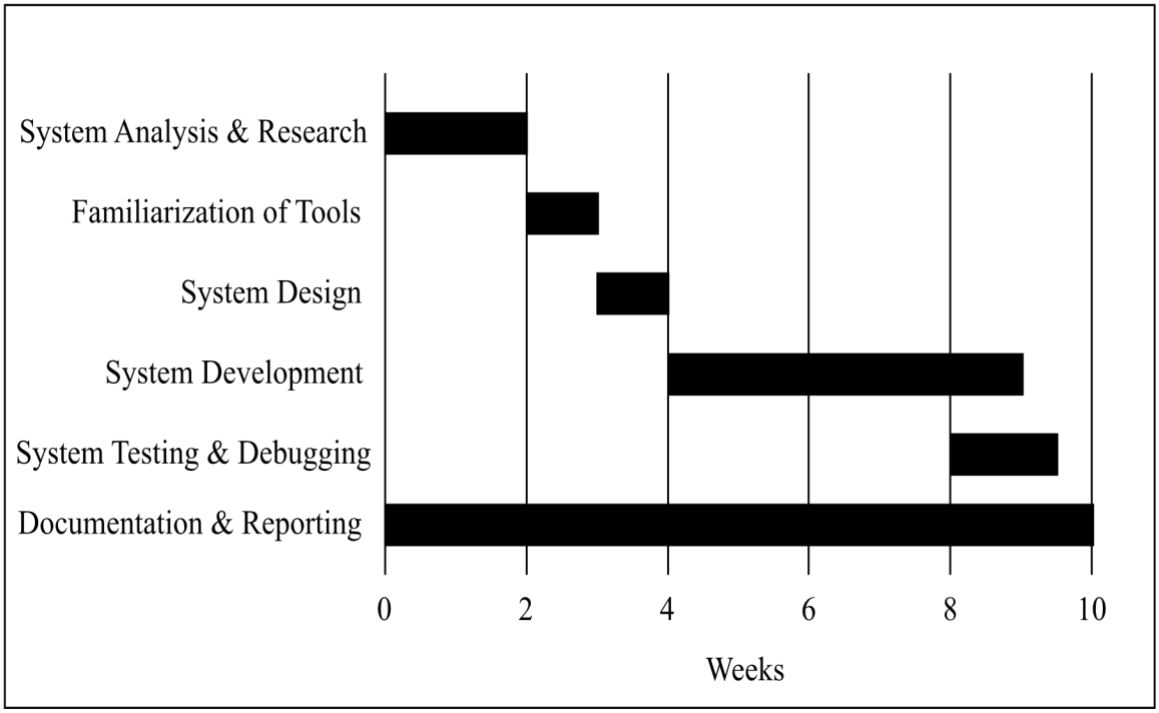

Figure 3: Proposed Gantt Chart for Internship Activities

CHAPTER 4 : EXPECTED OUTCOMES

4.1. Expected Outcome of Internship Activities

The expected outcome of the internship activities for the event management project includes:

i. **Development of a Functional Android Application:** The primary expected outcome is the successful development of the Pet Sansar Android application. The application should have a user-friendly interface, intuitive navigation, and seamless functionality for users to browse and purchase pet products. It should also incorporate essential features such as user authentication, product listing, shopping cart management, payment integration, and order tracking.

ii. **Practical Experience in Web App Development:** Through active involvement in the internship activities, I will be gaining practical experience in web app development using Nodejs and the associated technologies. This hands-on experience will allow me to apply theoretical knowledge, learn industry best practices, and enhance skills in developing robust and user-centric mobile applications.

iii. **Collaborative Teamwork and Communication Skills:** There will be the opportunity to work collaboratively within a project team, fostering effective communication and teamwork. I will be learning how to effectively contribute to a software development project, collaborate with team members, participate in code reviews, and effectively communicate project progress and challenges.

iv. **Problem-Solving and Troubleshooting Abilities:** As part of the internship, there may occur some circumstances, where I might encounter various challenges and issues during the development process. The expected outcome is the development of problem-solving and troubleshooting skills, enabling me to identify and resolve technical issues efficiently. This will contribute toward my growth as a developer and ability to handle real-world development scenarios.

v. **Understanding of Software Development Lifecycle:** More importantly, I will be gaining an understanding of the software development lifecycle by actively participating in the various stages of the project. Three will be exposure to activities such as requirements analysis, design, development, testing, and documentation.

This will provide me with a holistic view of the development process and the importance of each stage in delivering a successful project.

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