

**TRIBHUVAN UNIVERSITY**

Institute Of Science and Technology



**“INTERNSHIP PROPOSAL”**

A Semester Internship Proposal

**NATIONAL COLLEGE OF COMPUTER STUDIES (NCCS)**

In Partial Fulfillment of the requirements of Final Year, Eight Semester for the

Bachelor's Degree In

Computer Science and Information Technology (BSC. CSIT)

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## 1. Introduction:

Internships play a vital role in bridging the gap between academic learning and professional practice in the field of web development. According to Thompson and Johnson (2017), internships provide students with valuable opportunities to apply their theoretical knowledge in real-world scenarios, enhance their technical skills, and develop a deeper understanding of industry best practices. Moreover, internships offer companies the chance to identify and nurture talented individuals who may become valuable assets to their organizations in the long run (Kleiman & Navarro, 2020).

This proposal defense will present a detailed plan for the proposed internship program, including the structure, timeline, selection criteria, and evaluation methods. Additionally, it will highlight the anticipated benefits for both interns and the web development company, emphasizing the potential for talent acquisition, knowledge exchange, and professional growth.

## 2. Problem Statement:

The field of software development is rapidly evolving, and there is a growing need for skilled professionals who can apply theoretical knowledge to practical projects (Kaplan, 2023). For my internship project, the problem at hand is to develop a web application for Giz in developing an application that allow the admin to add or remove any elements they want themselves dynamically, and for the end user to be able to access the information provided by the admin from the web application as easily as possible and be able to give feedback on them. The various challenges that are to be considered during the development of the web application are: Easy to navigate system for both admins and the end-users, provide information in a manner that doesn't overwhelm the user, produce a system that can give all the functionality that was being provided by the previous Giz app along the additional features etc.

### 3. Objectives:

- Develop backend for the web application that provides a soothing interface for both users and admin, provide them the information put forward by the admin.
- Apply theoretical knowledge to practical software projects development.
- Working within a team of professionals to learn how they work together, learn effective communication and teamwork throughout the duration of the project development.

### 4. Description of Internship Work/Project:

The Giz Project for Renewable Energy and Energy Efficiency Partnership (REEEP) involves the development of a web application focusing in providing information about how we can use our existing energy sources more effectively, along with installments of new renewable energy source for possible long-lasting benefit. As a part of this project, my responsibility is to develop a develop the backend infrastructure for the application. This includes handling admin entered data, allowing customizability for the frontend from the backend, and bettering the overall user experience while using the website. Me and my team will ensure that the backend is secure and the is capable of handling a number of requests that will be generated by the users.

### 5. Internship Plan:

The internship will span a specified duration, typically the last semester. The intern will be required to work on-site or remotely, depending on the organization's policies. The plan includes the following activities:

- Initial orientation and familiarization with the company's software development processes, tools, and infrastructure.
- Participation in project meetings and discussions.
- Assignments to specific software development tasks.
- Regular progress reviews and feedback sessions.
- Collaboration with team members and learning from experienced professionals.

## 6. Expected Outcome of Internship Activities:

The expected outcomes of the internship activities are as follows:

- Practical application of software development concepts.
- Improved proficiency in programming languages and frameworks.
- Understanding of industry-standard software development methodologies.
- Enhanced problem-solving and debugging skills.
- Effective collaboration and teamwork abilities.
- Experience in working with real-world software development projects.

## References

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