

**Tribhuvan University**

**Mechi Multiple Campus**

**A Final Year Internship Report**

**On**

**“Website Development and Mobile Application Development”**

**At**

**Mechi Multiple Campus**

**Under the Supervision of**

**Mr. Krishna Prasad Acharya**

**Submitted To**

**Department of Computer Application**

**Mechi Multiple Campus**

***In partial fulfillment of the requirement for the Bachelor Degree in Computer Application***

**Submitted By**

**Nischal Khatiwada (Symbol No:1702021)**

**February 28,2022**

An Internship Report

on

Web and Android application development, Mechi Multiple Campus

Submitted in partial fulfilment of the requirement of

Internship (CAIN 403)

of

Bachelor of Computer Application

**Submitted To**

Tribhuvan University

Biratnagar, Nepal

**Submitted By**

Nischal Khatiwada

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**Project Supervisor**

Krishna Prasad Acharya

**Mechi Multiple Campus**

Bhadrapur, Jhapa

February 28,2022

# Supervisor’s Recommendation

We hereby recommend that the report prepared under our supervision by Girija Bhattarai, Dipesh Rajbanshi and Nischal Khatiwada entitled **“Website Development and Mobile Application Develpment”** at **“Mechi Multiple Campus”** in partial fulfillment of the requirements for the degree of Bachelor in Computer Application be processed for evaluation.

…………………..…….

**Mr. Krishna Prasad Acharya**

Mechi Multiple Campus

Bhadrapur, Jhapa

# Certificate of Approval

This is to certify that this project prepared by Girija Bhattarai, Dipesh Rajbanshi and Nischal Khatiwada entitled “**Website Development and Mobile Application Develpment**” in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been well studied. In our opinion, it is satisfactory in the scope and quality as an internship for the required degree.

|  |  |
| --- | --- |
| ------------------------------------------------  **Krishna Prasad Acharya**  Internship Supervisor,  Mechi Multiple Campus  Bhadrapur, Jhapa | ------------------------------------------------  **Krishna Prasad Acharya**  BCA Director  Mechi Multiple Campus  Bhadrapur, Jhapa |
| -------------------------------------  **External Examiner**  Department of Humanities and Social Sciences  Tribhuvan University  Kirtipur, Nepal | |

# Acknowledgement

We would like to express our gratitude with much appreciation to the most respected and esteemed Internship Mentor **Mr. Krishna Prasad Acharya** and the team that gives us immense pleasure to express our deepest sense of gratitude and sincere thanks to him who had given his full effort in guiding us during the internship period including all the team members of **Mechi Multiple Campus.**

It is a great pleasure to have the opportunity to extend our heartfelt gratitude to everyone who helped us throughout the course of this project. We would like to express our profound gratitude to our supervisor **Mr. Ridip Khanal** for his guidance and support in each step for the progress of this project. His continuous inspiration and valuable suggestions have made us complete this project and achieve its target.

We would like to express our sincere gratitude towards the **Department of Humanities and Social Sciences, Mechi Multiple Campus** for providing us with the wonderful opportunity, encouragement and environment to explore our skills and gain learning experience through this internship opportunity.

We would also like to express our deepest appreciation to **Mr. Krishna Prasad Acharya,** Program Director, Mechi Multiple Campus for his constant motivation, support and for providing us with a suitable working environment.

Last but not the least, we would like to thank all the faculty members and friends who has direct and indirect contribution to our project. Any kind of suggestions or criticism will be greatly appreciated and acknowledged.

Sincerely.

Nischal Khatiwada (T.U. Regd. No. 6-2-2-21-2017)

# Abstract

Internship is an opportunity to get exposure to the real world and collect the experiences to tackle challenges in the future career paths. Internship is the platform to convert theoretical knowledge gained at college life to practical experiences enhancing skills and knowledge base to extend competency in CV. Mechi Multiple Campus has provided wonderful platform to extend the skills and work ethics during the internship period.

The world we are today is rapidly changing in every sector like technology, finance, scientific discoveries and much more. Nowadays there is an increasing interest in mobile application and website development. However, developers often disregard, or at least significantly adapt, existing software development processes to suit their purpose, given the existing specific constraints. Such adjustments can introduce variations and new trends in existing processes that in many occasions are not shared with the scientific community since there is no official documentation, thus justifying further research.

Therefore, the aim of this project is to present a study and characterization of current mobile application development and website development processes based on a practical experience. We consider a set of real case studies to investigate the current development processes for mobile applications as well as websites used by software development companies, as well as by independent developers. The result of the present study is the identification of mobile and website development processes, namely agile approaches, and also of shortcomings in current methodologies applied in industry and academy, namely the lack of informed and experienced resources to develop mobile apps and websites.

Table of Contents

[Supervisor’s Recommendation 3](#_Toc97379399)

[Certificate of Approval 4](#_Toc97379400)

[Acknowledgement 5](#_Toc97379401)

[Abstract 6](#_Toc97379402)

[Chapter 1. Introduction 7](#_Toc97379403)

[1.1 Introduction 7](#_Toc97379404)

[1.2 Need 8](#_Toc97379405)

[1.3 Solution 8](#_Toc97379406)

[1.4 Objectives 8](#_Toc97379407)

[Chapter 2. Project description 9](#_Toc97379408)

[2.1 Main Layout 9](#_Toc97379409)

[2.2 Structure 9](#_Toc97379410)

[2.3 Execution Timeline 9](#_Toc97379411)

[2.4 Project Costs 10](#_Toc97379412)

[Chapter 3. Terms and Conditions 10](#_Toc97379413)

# Chapter 1. Introduction

## **Introduction**

This proposal is made by the group of students of BCA with the objective to develop a web application and an android application for Mechi Multiple Campus. Working together, I believe we can create dynamic website that is simple to navigate and has a professional, yet welcoming design and an android app that enhances the digital portability of the entire organization.

Our dedicated team uphold the highest standards for project planning, development, and execution, and we are determined to build a perfect website and android app for Mechi Multiple Campus on-time and on-budget.

In this proposal, you will find what we feel is the best solution for your web and android development needs, along with the associated cost, delivery timeline, and project terms and conditions.

## **Need**

Mechi multiple needs a full web app built to support the digital growth strategy and to update its presence in the web. The web app should have the efficiency to be regularly operated by a person with basic IT knowledge. The website should be dynamic so that the information displayed in the app could be changed easily by the operator.

Furthermore, Mechi Multiple campus also needs an android app to add portability of its digital information sharing system and to preserve its presence in the digital world in which mobile apps are being popular day by day. The android app should have the ability to be maintained by a employee without the need to regularly employ the developers to make change.

## **Solution**

We will provide Mechi Multiple Campus with a fresh web design that is easy to navigate and provides useful information for the students and staffs. The design will convey all the visitors that Mechi Multiple Campus is a professional and reliable educational organization. The design will integrate the current logo of Mechi multiple campus so it will maintain a familiar look, but will at same time show that Mechi Multiple Campus is improving its web presence.

Similarly, we will build an android app that contains every feature of the web app so that they can be accessed any time at any place with a mobile device.

## **Objectives**

The objective of this project is as follows:

1. To develop a web application that could simulate the process according to the strategy on the environment of the organization.
2. To enhance the system so that it provides necessary information regarding the organization.
3. To provide the mobile version of the system and increase portability with the help of android development.

# Chapter 2. Project description

## **2.1 Main Layout**

Both the web app and android app shall have the following pages in the client side:

* Home
* Blog
* About us
* Gallery
* Course
* Download
* Contact
* Notice

((picture))

## **2.2 Structure**

The following is the hierarchical structure of our pages of both Android and web app

2.2.1 Admin Panel structure

(image)

` 2.2.2 Client-Side structure

(image)

## **2.3 Execution Timeline**

The following table provides Breakdown of our execution timeline

|  |  |
| --- | --- |
| Stage | Completion Date |
| Project Kick off meeting |  |
|  |  |

## **2.4 Project Costs**

|  |  |
| --- | --- |
| Name | Price |
|  |  |

# Chapter 3. Terms and Conditions

Once the project fee is paid in full to us, any elements of text, graphics, photos, contents, trademarks, or other artwork furnished to Mechi Multiple Campus for inclusion in website are owned by Mechi Multiple Campus.

We assume Mechi Multiple Campus has permission from rightful owner to use any images or design elements that are provided by Mechi Multiple Campus for inclusion in the website and will hold harmless, protect, and defend us from any claim or suitarising from the use of such elements

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