# TRIBHUVAN UNIVERSITY

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

# LALITPUR ENGINEERING COLLEGE

**CODE CONNECT : CONNECT WITH CREATIVES**

**BY**

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**A PROJECT PROPOSAL**

**SUBMITTED TO THE DEPARTMENT OF COMPUTER APPLICATION**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR**

**THE DEGREE OF BACHELORS IN COMPUTER APPLICATION**

**DEPARTMENT OF COMPUTER APPLICATION**

**LALITPUR, NEPAL**

**JUNE, 2023**

# Tribhuvan University

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**Submitted to**

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**Submitted by**

**Sushant Bramhacharya (LEC077BCA08)**

**Amit Maharjan (LEC077BCA01)**

**JUNE, 2023**

**Under the Supervision of**

**Er. Bisikha Subedi**

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# DECLARATION

I declare that the work hereby submitted for Bachelors in Computer Application at the Department of Computer Application, Lalitpur Engineering College entitled ”**Code Connect : Connect with Creatives**” is my own work and has not been previously submitted by me at any university for any academic award. I authorize the Department of Computer Application, Lalitpur Engineering College to lend this project work to other institutions or individuals for the purpose of scholarly research.

**Sushant Bramhacharya (LEC077BCA08)**
**Amit Maharjan (LEC077BCA01)**

June, 2023

# RECOMMENDATION

The undersigned certify that they have read and recommend to the Department of Computer Application for acceptance, a project work entitled "**Code Connect : Connect with Creatives**", submitted by **Sushant Bramhacharya (LEC077BCA08) and Amit Maharjan (LEC077BCA01)** in partial fulfillment of the requirement for the award of the degree of "**Bachelors in Computer Application**".

_____

**Project Supervisor**

Er. Bisikha Subedi

Lecturer

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**BCA Program Coordinator**

Er. Bibat Thokar

Lecturer

Department of Computer Application, Lalitpur Engineering College

June, 2023

# DEPARTMENTAL ACCEPTANCE

The project work entitled "**Code Connect : Connect with Creatives**", submitted by **Sushant Bramhacharya (LEC077BCA08) and Amit Maharjan (LEC077BCA01)**in partial fulfillment of the requirement for the award of the degree of "**Bachelors of Computer Application**" has been accepted as a genuine record of work independently carried out by the student in the department.

_____

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June, 2023

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**[Include a few lines of appreciation if assistance was received from organizations or individuals other than the supervisor]**

I am also grateful to my classmates and friends for offering me advice and moral support. To my family, thank you for encouraging me in all of my pursuits and inspiring me to follow my dreams. I am especially grateful to my parents, who supported me emotionally, believed in me and wanted the best for me.

 Sushant Bramhacharya (LEC077BCA08)
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June, 2023

# ABSTRACT

Code Connect is a revolutionary social media platform made specifically to the needs of programmers and developers. With a focus on collaboration, knowledge sharing, and networking, Code Connect serves as an interactive space where programmers can connect with like-minded individuals, exchange ideas, and explore new opportunities within the coding community. The platform offers a user-friendly interface and a range of features designed to enhance the programmer's experience. Users can create personalized profiles to showcase their skills, experiences, and projects, attracting potential collaborators or employers. A comprehensive search and recommendation system allows users to discover discussions tailored to their interests and preferences.

One of Code Connect's unique strengths is Messaging system. Real-time messaging facilitates productive discussions and timely feedback among peers. Furthermore, Code Connect encourages the sharing of code snippets, problems, and open-source projects. Users can publish their code, receive feedback, and collaborate on improvements, building a valuable repository of shared resources accessible to the entire coding community.

In conclusion, Code Connect is a vital platform that connects programmers, fosters collaboration, and facilitates growth within the coding community. By empowering programmers to share knowledge, explore opportunities, and connect with peers, Code Connect aims to advance the programming industry as a whole both for newcomers and advanced ones.

**Keywords:** Connection, Customized Profile, Discussion and Messaging

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# LIST OF ABBREVIATIONS

Must be in Lexicographical Order

| | |
|---|---|
| AR | Augmented Reality |
| BFMRDS | Burke-Fahn-Marsden Dystonia Rating Scale |
| CNN | Convolutional Neural Network |
| CT | Computed Tomography |
| DWI | Diffusion-weighted Imaging |
| GDI | Gini's Diversity index |
| GDS | Global Dystonia Severity Rating Scale |
| GPU | Graphics processing unit |
| HOG | Histogram of Oriented Gradients |
| IR | Infrared |
| JRS | Jankovic Rating Scale |
| LED | Light Emitting Diode. |
| LID | Levodopa-induced Dyskinesia |
| ML | Machine Learning |
| MRI | Magnetic Resonance Imaging |
| PD | Parkinson's Disease |
| PET | Positron Emission Tomography |
| PSF | Pictorial Structure Framework |
| RCNN | Region-Based Convolutional Neural Network |
| TWSTRS | Toronto Western Spasmodic Torticollis Rating Scale |
| URDS | Unified Dystonia Rating Scale |

# 1 INTRODUCTION

## 1.1 Introduction

Code Connect is a social media platform for IT professionals. It was created to address the lack of specific features for IT professionals on existing social media platforms. Code Connect offers a dedicated space for IT professionals to connect, collaborate, and access valuable resources.

## 1.2 Problem Statement

There are many general social media platforms available, but none of them are specifically designed for IT professionals. This means that IT professionals often have to use general platforms, which can be less effective for networking and collaboration. Most general social media platforms do not have dedicated spaces for IT professionals to share their resumes. This can make it difficult for IT professionals to get their resumes seen by potential employers. There are no specific resume management tools available for IT professionals. This means that IT professionals often have to use general resume management tools, which can be less effective for managing IT-related resumes.

There is no specific portfolio management tool available for IT professionals. This means that IT professionals often have to use general portfolio management tools, which can be less effective for managing IT-related portfolios. IT professionals are often underrepresented in other social media platforms. This can make it difficult for IT professionals to reach a wider audience and connect with other IT professionals. The challenges listed above can be even more difficult for new aspiring IT professionals. This is because new IT professionals may not have the same level of experience or connections as more experienced IT professionals.

## 1.3 Objectives

- Creating Designs related to our project including Digrams, UI etc.

- Create a social media having normal functionalities and extra specifically for programmers.

## 1.4  Scope

The app should provide a space for IT professionals to network with each other. This could be done through discussions or Messaging. Networking can help IT professionals to discover jobs, learn new skills, and stay up-to-date on the latest trends. The app should make it easy for new comers in field of IT. The app should offer a nice way to showcase their skill and projects. The app should have code snippets sharing and discussion. The app should have connection functions for connecting between peers, friends and seniors.

## 1.5  Report Organisation

The material in this project report is organised into seven chapters. After this introductory chapter introduces the problem topic this research tries to address, chapter 2 contains the literature review of vital and relevant publications, pointing toward a notable research gap. Chapter 3 describes the methodology for the implementation of this project. Chapter 4 provides an overview of what has been accomplished. Chapter 5 contains some crucial discussions on the used model and methods. Chapter 6 mentions pathways for future research direction for the same problem or in the same domain. Chapter 7 concludes the project shortly, mentioning the accomplishment and comparing it with the main objectives.

## 2  Background Study and Literature Review

### 2.1  Background Study

We are looking for designs that make out system visually appealing and at the same time have better performance. As this system is mainly for creatives who can share their journey, we need to implement a profile system that shows off their portfolio and resume. Showcasing their skills should be easy so this system mainly focuses on functionalities implementations. We are looking for different tools and techniques for achieving those goals. We are also studying papers, articles, and related books for our project. We are also learning about implementation about messaging system. The proposed project is to create an app for programmers where they can share their discussions, projects, skills, and perform messaging functions. To develop this app, it is important to understand code collaboration, tools for code sharing, and messaging functions.

#### 2.1.1  Literature Review

Social networks are like groups of people who know each other and interact with each other. The technology helps us study how people are connected to each other and how they talk to each other online. It also helps us understand the things they say and the information they share.[1]

In today's competitive job market, organizations strive to identify and attract top talent, and this research investigates the influence of social media on the recruitment process. With the rapid growth of social media usage, it is crucial for organizations to understand effective strategies for attracting the best candidates. The study involved 12 recruiters from various industries, and the findings reveal heavy reliance on platforms like LinkedIn for recruitment purposes. However, the use of Twitter and Facebook for recruitment is comparatively lower. Recruiters need a focused approach when utilizing social media to manage the potential overwhelming volume of work. It is evident that recruiters cannot effectively conduct recruitment activities without leveraging social media tools, but proper training in optimizing social media usage is essential. This study contributes to highlighting the significant impact of LinkedIn on recruitment processes, while also emphasizing that social media is not a one-size-fits-all solution for recruitment challenges.[2]

In Stack Overflow, A complete profile includes details such as a website URL, location,

about me section, profile image, and age. Our analysis revealed that most users do not have a complete profile. However, users with complete profiles tend to have higher reputation scores and provide better quality question and answer posts compared to users with incomplete profiles. This suggests that having a complete profile is beneficial for contributing effectively to the network. Among the profile elements we examined, location and about me have a stronger relationship with user activity and contribution. This research helps us understand which profile elements are important in a Q and A social network and which ones should be prioritized for users to fill out regularly.[3]

## 3 Methodology

### 3.1 System Development Approach

An incremental approach, also known as an iterative or step-by-step approach, is a development or problem-solving method that breaks down a larger task or project into smaller, manageable increments or steps. Rather than attempting to tackle the entire task at once, an incremental approach focuses on making incremental progress by completing and delivering smaller portions of work in a series of iterations.

- Initial Planning and Requirements Gathering

- Increment Planning and Design

- Development and Implementation

- Testing and Quality Assurance

- Evaluation and Feedback

- Iterative Development and Refinement

- Deployment and Release

- Repeat the Process for Subsequent Increments

### 3.2 Requirement Analysis

#### 3.2.1 Feasibility Analysis

A feasibility study is a systematic and structured analysis conducted to determine the viability and practicality of a proposed project plan. It serves as an evaluation tool to assess whether the project can be successfully implemented and if it aligns with the organization's goals and objectives. It involves gathering and analyzing relevant information to determine if the project is technically feasible, operationally feasible, economically feasible, and scheduling feasible.

#### 3.2.2 Economical Feasibility

Since the proposed system has a web application, we will be using free and open-source software development tools such as HTML,CSS,JS, PHP, MySQL and Figma. We will only need some economy for server for hosting.

### 3.2.3 Operational Feasibility

Operational feasibility for the proposed system focuses ease of use. As the system is designed to be interactive, users do not require in-depth knowledge of the mobile app to navigate and utilize its features. The user interface (UI) is specifically designed to be user-friendly, ensuring a smooth and intuitive experience. This approach minimizes the need for extensive training and reduces potential resistance from users.

### 3.2.4 Technical Feasibility

There are several development technologies available. For frontend development, we have HTML,CSS,JS. For backend development, we have PHP along with the MySQL database. In our application, we have utilized HTML,CSS,JS, for the frontend and PHP with MySQL for the backend. Both HTML,CSS,JS, and PHP are open-source technologies and are supported by large companies with vibrant communities. This ensures that technical support and resources are readily available. Considering the chosen technologies and their strong community backing, the project is technically feasible.

### 3.3 System Design

### 3.3.1 Architecture Design

### 3.3.2 Data Modelling(ER-Diagram)

### 3.3.3 Activity Diagram

### 3.3.4 DFD

## 4  Implementation and Testing

(20% of Report Length)

a. Showcase the output at various intermediate stages of the project pipeline

b. Use proper data visualizing techniques to present the output

c. Figures and tables must be accompanied by an explanation

### 4.1  Implementation

### 4.1.1  Tools Used

### 4.1.2  Implementation Details of Modules

### 4.2  Testing

### 4.2.1  Test Cases for Unit Testing

### 4.2.2  Test Cases for System Testing

# 5  Conclusion and Future Recommendations

## 5.1  Lesson Learnt/Outcome

## 5.2  Conclusion

## 5.3  Future Recommendations

Conclusion: (1 Page)

a. Summarize the key supporting ideas discussed throughout the project

b. Relate back to the project objectives and discuss about their fulfillment

c. Offer final impression on the project's central idea

This initiative aimed to solve the following research question:

This project has contributed to the area of . . . in the following ways to achieve the goal:

- ...

- ...

- ...

With the above contributions, this project has shown high hopes . . .
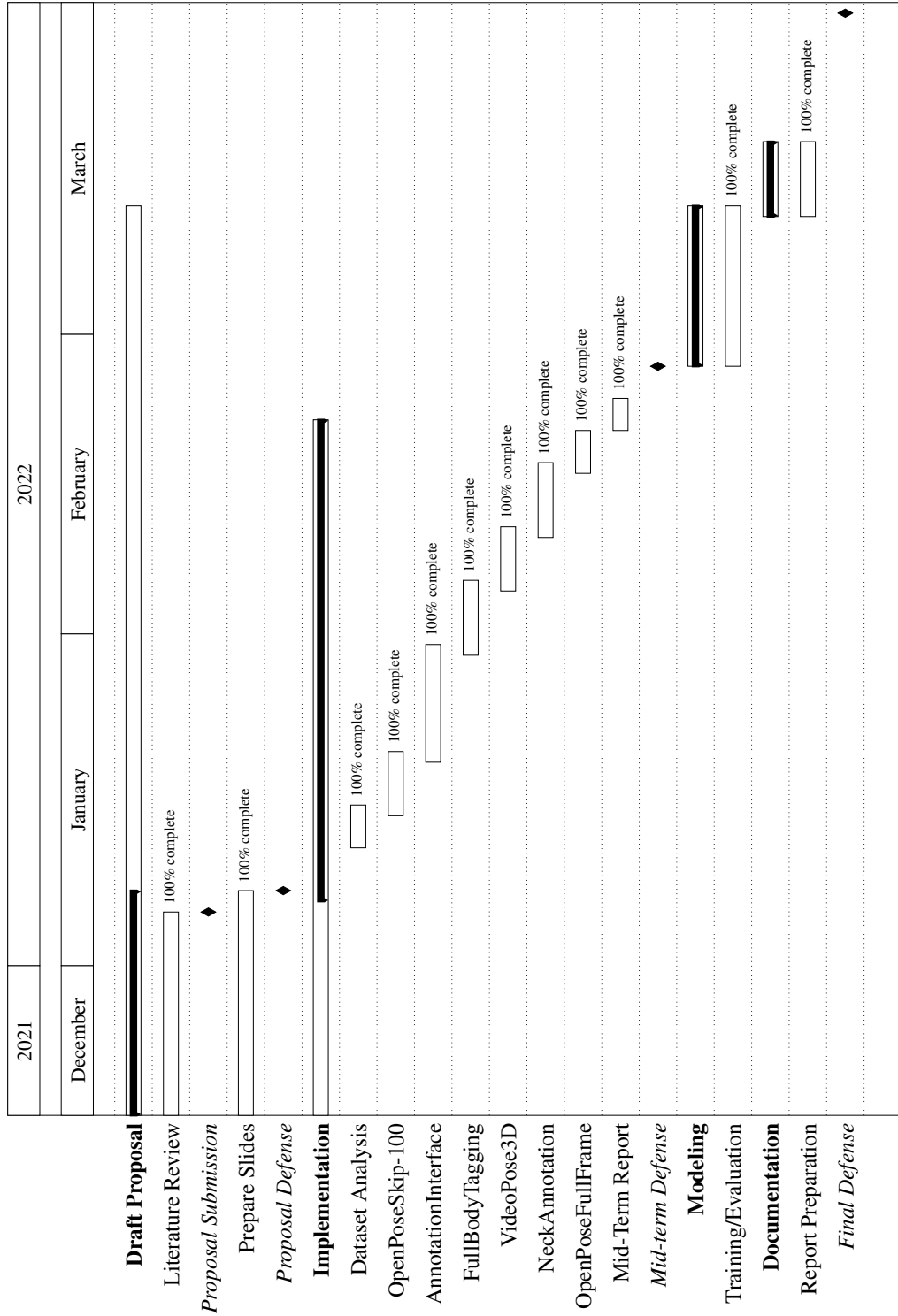
# APPENDIX A

## A.1 Project Schedule



Figure A.1: Gantt Chart showing Expected Project Timeline.

## A.2   Remaining Part

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