A Mini Project Report on

## Simple Social Media Platform to connect with college peers (Connecture)

Submitted in partial fulfillment of the requirements for the award of the degree of

### Bachelor of Engineering

in

### Computer Engineering

by

### Riddhi Narkar (19102003)

### Aditya Yadav (19102006)

### Devansh Katheria (19102027)

### Name of the Student4(Student ID)

Under the Guidance of

### Dr. Pravin Adivarekar



#### Department of Branch Name

A.P. Shah Institute of Technology G.B.Road, Kasarvadavli, Thane(W), Mumbai-400615

UNIVERSITY OF MUMBAI

#### Academic Year 2020-2021

This Mini Project Report entitled ***“Simple Social Media platform to connect with college peers (Connecture)”*** Submitted by ***“Riddhi Narkar” (19102003), “Aditya Yadav” (19102006), “Devansh Katheria” (19102027), “Name of the Student4”(Student ID)***is approved for the partial fulfillment of the requirement for the award of the degree of ***Bachelor of Engineering*** in ***Computer Engineering*** from ***University of Mumbai*** .

Dr. Pravin Adivarekar

Guide

Prof. Sachin H Malave

Head Department of Computer Engineering

Place: A.P. Shah Institute of Technology, Thane

Date:

This is to certify that the mini project entitled ***“Simple Social Media platform to connect with college peers (Connecture)”*** submitted by ***“Riddhi Narkar” (19102003), “Aditya Yadav” (19102006), “Devansh Katheria” (19102027), “Name of student4” (Student ID)*** for the partial fulfillment of the requirement for award of a degree ***Bachelor of Engineering*** in ***Computer Engineering*** to the University of Mumbai, is a bonafide work carried out during academic year 2020-2021.

Dr. Pravin Adivarekar

Guide

Prof. Sachin H Malave Dr. Uttam D.Kolekar Head Department of Computer Engineering Principal

External Examiner(s) 1.

2.

Place: A.P. Shah Institute of Technology, Thane Date:

We declare that this written submission represents our ideas in our own words and where others’ ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that We have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

———————————————

(Signature)

———————————————

(Riddhi Narkar 19102003)

(Aditya Yadav 19102006)

(Devansh Katheria 19102027)

(Name of Student4 and Student ID)

Date:

#### Abstract

This project is based on the concept of making new and meaningful connections. By providing access to all college peers on a single platform, getting to know peers with a similar interest can help to guide and inspire students. We already have many sophisticated social platforms to connect with people, but, a setup at an institute-level would significantly help to bind everyone by leveraging the ability to connect digitally.

1. Introduction 1

[1.1 Problem Definition . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1](#_TOC_250003)

[1.2 Objectives . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2](#_TOC_250002)

[1.3 Scope . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2](#_TOC_250001)

1.4 Existing System/Project . . . . . . . . . . . . . . . . . . . . . . . . . . . 3

1. Technology Stack 4
2. Benefits and Applications 5

3.1 Benefits for society . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5

3.2 Benefits for environment . . . . . . . . . . . . . . . . . . . . . . . . . . 5

3.3 Applications. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5

1. Project Design 6

4.1 Proposed System . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .6

4.2 Flow of Modules. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 7

4.3 Data Flow Diagram. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8

**5 Annexure A**

5.1 Gantt Chart. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 9

Appendices 10

Appendix-A . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 10

1.1 Intrusion Detection System . . . . . . . . . . . . . . . . . . . . . . . . . . . 1

1.1 An Example of a Table . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2

5.1 Wormhole Attack Comparison with AODV Protocol . . . . . . . . . . . . . . 6

# List of Abbreviations

SMP: Social Media Platform

# Chapter 1

# Introduction

Exploring new technology, knowledge, and skills is an important step to try to find a new passion or to polish an existing one. But, finding and connecting with new people who share a common interest can be a bit overwhelming at times.

We would be addressing this very issue by designing a centralized platform wherein students and teachers can build new connections, post information and stuff that can help to create an inspiring and encouraging environment to learn, develop and venture for all.

## Problem Definition

For this mini-project, we aim to develop a SMP (Connecture) at an institute level wherein students can connect with and share tech-related ideas, knowledge and help foster a rich tech culture in our college.

## Objectives

1. To develop a rich tech culture in college.
2. To help college students connect and interact in a way that would lead to their skill development.
3. To keep everyone updated about the current technical scenario and to present them opportunities to have a project work experience in their college years.

## Scope

# Technology Stack

# Benefits and Applications

# Project Design

# Annexure A

# 5.1 Gantt Chart

Detailed information, lengthy derivations, raw experimental observations etc. are to be presented in the separate appendices, which shall be numbered in Roman Capitals (e.g. Appendix I). Since reference can be drawn to published/unpublished literature in the ap- pendices these should precede the Literature Cited section.

## Appendix-A:

.

**Acknowledgement**

We have great pleasure in presenting the mini project report on **Simple Social platform to connect with college peers(Connecture).** We take this opportunity to express our sincere thanks towards our guide **Dr. Pravin Adivarekar** Department of Computer Engineering, APSIT thane for providing the technical guidelines and suggestions regarding line of work. We would like to express our gratitude towards his constant encouragement, support and guidance through the development of project.

We thank **Prof. Sachin Malave** Head of Department, Computer Engineering, APSIT for his encouragement during progress meeting and providing guidelines to write this report.

We also thank the entire staff of APSIT for their invaluable help rendered during the course of this work. We wish to express our deep gratitude towards all our colleagues of APSIT for their encouragement.

#### Student Name1: Riddhi Narkar

**Student ID1: 19102003**

**Student Name2: Aditya Yadav**

**Student ID2: 19102006**

**Student Name3: Devansh Katheria**

**Student ID3: 19102027**

**Student Name4: Shauryan Singh**

**Student ID4:**

12