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

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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*** .

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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.

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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.

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#### 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.

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# 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 an online social media platform (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

## 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: NS2 Download and Installation

1. Download ns-allinone-2.35.tar.gz from <http://sourceforge.net/projects/nsnam/>
2. Place ns-allinone-2.35.tar in your desired directory; like /home/vishal.
3. Go to terminal and do as following commands

#### sudo apt-get update

**sudo apt-get install automake autoconf libxmu-dev build-essential**

1. Extract ns-allinone-2.35 and after extracting go to folder ns-allinone-2.35 from Termi- nal as

#### $cd ns-allinone-2.35

$**./install**

1. Path Setting

#### $ gedit .bashrc

This command will open an existing file in editor. Just put the following path which is given bellow. [Remember that our ns-allinone path is /home/vishal. we will change this path according to our ns-allinone folder’s path]

export PATH=$PATH:/home/vishal/ns-allinone-2.35/bin:/home/vishal/ns-allinone-2.35/tcl8.5.10/ unix/home/vishal/ns-allinone-2.35/tk8.5.10/unix

export LD LIBRARY PATH=$LD LIBRARY PATH:/home/vishal/ns-allinone- 2.35/otcl-1.14:/home/ vishal/ns-allinone-2.35/lib

export TCL LIRARY PATH=$TCL LIBRARY PATH:/home/vishal/ns-allinone-2.35/tcl8.5.10/library

After this save and exit.

1. Now type in terminal to check that, is all command we entered in .bashrc is correct or not? And To take the effect immediately

#### $source .bashrc

1. Then perform the validation test using this command.

#### $ ./validate

1. Run ns2 using this command

$**ns**

We will get % prompt in our terminal. Now ns2 has been installed.

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