



# EDU ROOM

Presented by :-

Vishv Faldu (D22DCE179)

Avadh Kanaiya (D22DCE180)

Zeel Chauhan (D22DCE181)

# CONTENT

- 01** INTRODUCTION
- 02** PROBLEM STATEMENT
- 03** CURRENT SYSTEM AND LIMITATION
- 04** SCOPE OF THE SYSTEM
- 05** REQUIREMENTS
- 06** PROJECT DEFINITION AND  
PLANNING (GANTT CHART
- 07** SNAPSHOTS
- 08** CONCLUSION AND REFERENCES

# Introduction

Welcome to our exciting journey into the world of education technology! In this software group project, we will embark on the development of a EDU ROOM that promises to revolutionize the way teachers and students interact in the digital age.



# Problem Statement

In today's fast-paced and technology-driven world, traditional classroom settings are evolving rapidly. The COVID-19 pandemic has accelerated the need for effective online learning tools, but many existing solutions fall short of meeting the diverse needs of educators and learners. This presents a significant challenge for both students and teachers, as they navigate the complexities of remote or blended learning environments.



# Current System & Limitation

The reporting and analytics features in Google Classroom were limited compared to some dedicated Learning Management System platforms. Educators may have found it challenging to gather in-depth insights into student performance and engagement.

To fully utilize Google Classroom, users typically needed access to other Google Workspace tools. This reliance on Google's ecosystem may not be suitable for schools or educators using other platforms.



# Proposed System

The EDU ROOM enhances the communication between the teacher and students. It sets the friendly environment to share instructions, documents, point of views, assignment work, etc.

It also provides Attendance, Time Table, Student Profile, etc. via E-Governance.

It can also share the class code directly via Whatsapp.

It can also be directed to the telegram channel of faculties where all kind of material are available via link.

# SCOPE OF THE SYSTEM

## FACULTY:

- 1.) FACULTY CAN LOGIN
- 2.) FACULTY CAN VIEW THE BASIC INFORMATION OF THE SYSTEM SUCH AS NO. OF CLASSES CREATED, NO. OF EVENTS THAT HAS BEEN ORGANIZED, TOTAL NO. OF STUDENTS IN SYSTEM.
- 3.) FACULTY CAN CREATE CLASSROOM BY USING CODE
- 4.) FACULTY CAN MANAGE THE CLASSROOM
- 5.) FACULTY CAN DELETE THE CLASSROOM
- 6.) FACULTY CAN UPLOAD CLASSWORK IN THE CLASSROOM

# SCOPE OF THE SYSTEM

- 7.) FACULTY CAN UPLOAD MATERIALS IN THE CLASSROOM AS STREAM.
- 8.) FACULTY CAN CHECK THE CLASSWORK
- 9.) FACULTY CAN VIEW THE STUDENTS THAT HAVE JOINED IN THE CLASS.
- 10.) FACULTY CAN MANAGE HIS/HER PROFILE.
- 11.) FACULTY CAN LOGOUT FROM THE SYSTEM



# SCOPE OF THE SYSTEM

## **STUDENT:**

- 1)STUDENT CAN SIGN UP
- 2)STUDENT CAN VIEW ROOM
- 3)STUDENT CAN JOIN IN THE ROOM
- 4)STUDENT CAN SUBMIT THEIR CLASSWORK
- 5)STUDENT CAN VIEW PEOPLE THAT HAVE JOINED THE CLASS
- 6)STUDENT CAN MANAGE HIS/HER PROFILE

# SERVER SIDE

## HARDWARE REQUIREMENT

RAM: 256 MB

HARD DISK SPACE: 5 GB OF AVAILABLE  
HARD DISK  
SPACE

PROCESSOR (CPU) SPEED: PENTIUM II  
300-MHZ-OR-COMPATIBLE PROCESSOR

GRAPHICS CARD: VIDEO GRAPHICS  
ADAPTER THAT CAN SUPPORT 256  
COLORS AND A RESOLUTION OF 800 BY  
600 DPI

NETWORK ADAPTER: A NETWORK ADAPTER  
FROM THE MICROSOFT WINDOWS SERVER  
2003 HARDWARE COMPATIBILITY LIST



# SERVER SIDE

## SOFTWARE REQUIREMENT

OPERATING SYSTEM:WINDOWS 2003  
SERVER OR LINUX SERVER EDITION OR  
UNIX SERVER EDITION

WEB-DEVELOPMENT  
ENVIRONMENT:WAMP (WINDOWS  
PLATFORM) OR XAMPP (UNIX  
PLATFORM)LAMP (LINUX PLATFORM)



# CLIENT SIDE

## HARDWARE REQUIREMENT

RAM:128 MB

HARD DISK SPACE:1.5 GB OF AVAILABLE  
HARD DISK SPACE

PROCESSOR (CPU) SPEED:PENTIUM 233-  
MHZ-OR-COMPATIBLE PROCESSOR

GRAPHICS CARD:VIDEO ADAPTER AND  
MONITOR WITH SUPER VGA (800 X 600)  
OR HIGHER RESOLUTION

NETWORK ADAPTER:A NETWORK  
ADAPTER FROM THE MICROSOFT  
WINDOWS XP HARDWARE  
COMPATIBILITY LIST



# CLIENT SIDE

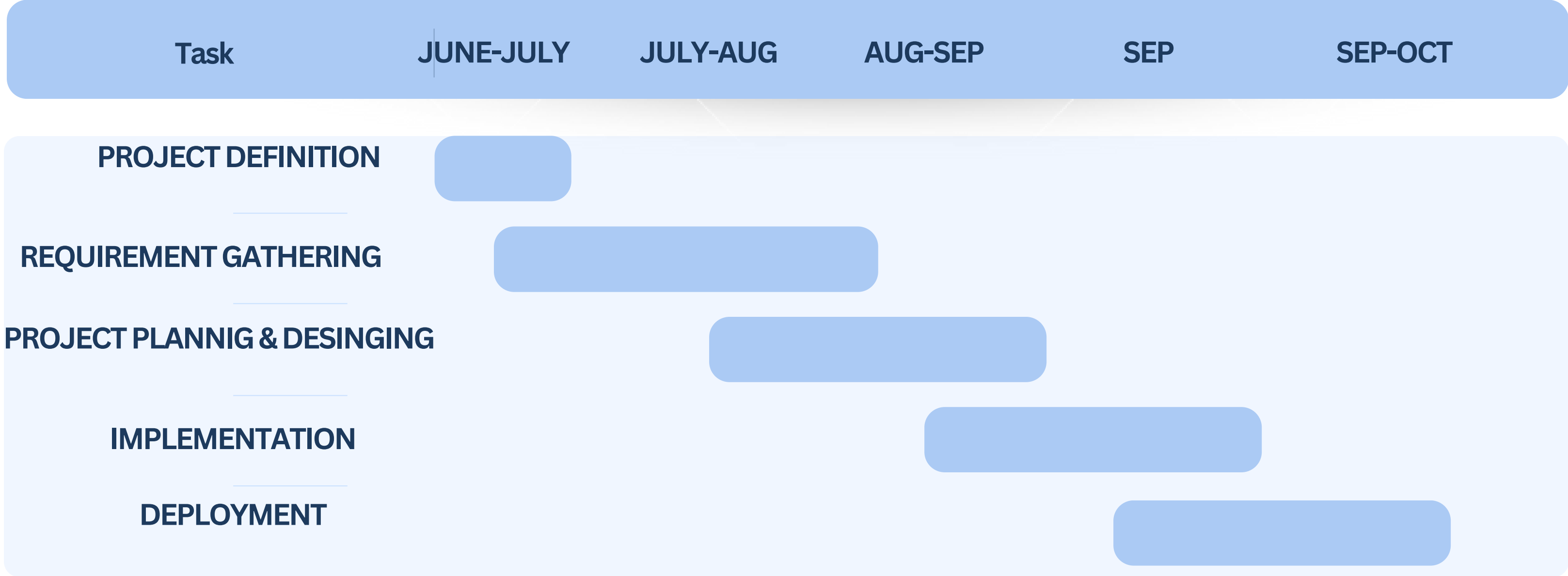
## SOFTWARE REQUIREMENT

OPERATING SYSTEM:WINDOWS XP OR LATER OR LINUX / UNIX VARIANT

BROWSER:INTERNET EXPLORER (8 OR LATER) OR GOOGLE CHROME (1.0 OR LATER) OR MOZILLA FIREFOX (1.5 OR LATER)



# GANTT CHART



# SNAPSHOTS

LOGIN PAGE:

EDU Room - Charusat

LOGIN NOW

# SNAPSHOTS


## DASHBOARD:



≡ Edu Room - Charusat



Test 1


Created By:  
avadhkanaiya@gmail.com





Demo test 1

Created By:  
avadhkanaiya@gmail.com





# SNAPSHOTS

## DASHBOARD:

### Test 1

CE

Class Code :

48cb47f8-cc68-407b-8e57-bb76f65d842c



Announce Something to class



d22dce180@charusat.edu.in

this is fifth try from the charusat account



# Future Scope

- STREAMING ONLINE CLASSES AND LECTURES
- HYBRID LEARNING ENVIRONMENTS
- DATA ANALYTICS AND FEEDBACK
- EVENT MANAGEMENT SYSTEM
- CAN VIEW UPLOADED PDF

# CONCLUSION

Here we would like to conclude that by developing this website we came across very new and different terms in react js,node js,express js and mongodb and we learn them thoroughly to implement the technologies in the website. which help us to gain the knowledge about how the field work is done using these technology



# References

- <https://www.w3schools.com/nodejs/>
- <https://react.dev/>
- <https://www.w3schools.com/REACT/DEFAULT.ASP>
- <https://www.w3schools.com/mongodb/>
- <https://expressjs.com/>

**THANK YOU**