

# LAB – 1

## Project Title :- Classroom with extra doubt room

### Project definition :-

online classroom with doubt room for educational purpose that aims to simplify creating, distributing, and grading of the assignments. We made this project for the subject of Software engineering practices in Sem – 4 of the computer engineering department in Dharmsinh Desai University.

### Abstract :-

Classroom is to offer a platform of blended learning in schools in order to simplify creating assignments and getting the grade out to the student in a paperless way. There are many facilities provided by classroom they are :-

1. It will make easier for teachers to carry out learning activities, the intended learning is not only in class but also outside the classroom because student can learn whenever and wherever by accessing classroom online.

2. The main purpose of the study to investigate the role of classroom in English language teaching.
3. Sharing material and answering of student doubts become easy and time saving.

## Key points :-

- The purpose of this document is to make system more practical, teacher can provide study material, providing assignments, take quiz etc.
- Student should also submit the assignments.
- Teachers can share the notices and schedules.
- Student can ask their doubt in doubt room of respective classroom.
- Student and teachers can create the classroom or join the classroom.
- Teachers can add students in the classroom.

# LAB – 2

## List of Users :-

1. Administrators
2. Teachers
3. Students

### 1) Administrators :-

- Sign up for google classroom for education to enable classroom.
- Assign users and control access by creating organizational units and groups.
- Verify teachers for added functionalities.
- Change user roles to ensure users are identified correctly.
- Set up permissions for your domain to determine who can create class.
- Enable google for enhanced collaboration.

### 2) Teachers :-

- Created own classroom providing related details.
- They can add student or teachers to the classroom.
- They used to create and manage assignments give marks to students according to their work.

- They can solve students doubts related to the study.
- Post announcements on the class stream.
- Set up and join a meet video call.
- Schedule posts across multiple classes at once.

### 3) Students :-

- They can join the classroom by class code of respective classroom.
- Students can access assignments, read it but they don't allow to modify the content.
- Submit option is available and also the deadline of work.
- They can get all the study materials.
- Give the opinion which are asked in it.
- They can ask doubts and get reply from other students or teacher.
- They can use doubt session room to ask the doubt to teachers and students.

# LAB – 3

## Functional Requirements : -

**R1: Create a classroom for students that is fulfilled by teachers that is the important functional requirement of the system**

R1.1: make account on a classroom and login to the account

Input: Choose an account to the system.

Output: you will be logged into the system.

R1.2 choose option create class for teachers.

Input: choose create class option and agree to the terms and condition.

Output: class details form will be shown.

R1.3 enter necessary details for classroom

Input: enter class name, section, Room No and Subject then click on create button.

Output: class will be created and other options will be shown on the screen.

**R2: Join classroom for students which is made by teacher.**

R2.1: make account on a classroom or login into classroom using existing account.

Input: Choose an account to the system.

Output: you will be logged into the system.

R2.2: choose option join class for students

Input: click on plus symbol it will show two options choose join class option

Output: it will show to enter class code

R2.3: class code will be provided by your teacher.

Input: enter class code and select join class option

Output: You will be joined into that classroom and other options will be shown on the screen.

### **R3: student can share their doubts with other classmates and teachers.**

Description: Student can share their doubts with the other classmates and teachers. Any student or teacher can answer that student doubt in classroom.

R3.1: first login to the classroom

Input: choose account to the classroom and login

Output: all classroom in which student is enrolled it will shown to student.

R3.2: choose one classroom in which student face difficulty.

Input: Choose classroom and select share with your class option

Output: one blank box is shown.

R3.3 student can type that doubt in box or attach any type of document.

Input: choose option of asking question and attach that.

Output: It will be shown to other students and teachers.

R3.4 solution of that student doubt

Input: any student or teacher who know that question solution he or she can type that answer or attach document.

Output: that document or solution will be shown to all students and other teachers.

### **R4: Provide assignment to the students and get solution of the assignment from students.**

Description: assignment can be sent to all students or only specific students of the classroom.

R4.1: login to the account

Input: Choose an account to the system.

Output: you will be logged into the system.

R4.2 choose assignment option from plus symbol

Input: choose assignment option

Output: It will show to enter title of the assignment, description(optional), max points, topic and due date for that assignment.

R4.3 enter necessary details for the assignment

Input: enter assignment title, description, max points, due date(include date and time) and topic.

Output: assignment will be displayed to all students.

### **R5: Student should submit their handwritten solution or any document of solution.**

R5.1: login to the account

Input: Choose an account to the system.

Output: you will be logged into the system.

R5.2: choose classroom.

Input: choose assignment

Output: assignment will be shown

R5.3 analyze that assignment and make solution of that assignment and document format

Input: choose add attachment option and select file from your device and attach it

Output: file will be attached

R5.4 handed in that assignment solution

Input: choose handed in or resubmit option

Output: now your solution of assignment will be shown to the teacher.

## **R6: Provide study material to the students**

R6.1: login to the account

Input: Choose an account to the system.

Output: you will be logged into the system.

R6.2: choose option material in the specific classroom

Input: attach any study material in the classroom

Output: now material will be shown to all students in the classroom.

**R7: Teacher should provide feedback to the student's solution of assignment.**

R7.1: login to the account



Input: Choose an account to the system.

Output: you will be logged into the system.

R7.2: Teachers can click on that assignment

Description: if student submit solution in within time limit then it will show in handed in option and if he misses or late submit solution then it will be shown as missing.

Input: choose assignment

Output: all student solution of assignment will be shown to the teacher

R7.3 check that assignment and provide feedback to students solution

Input: Edit that solution of assignment, save it and return to that student.

Output: It will be shown by only particular student.