

Mini Project

on



Gradeient

Name of the Students

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CERTIFICATE

This is to certify that the Mini Project entitled ‘**Gradeient**’, submitted by Rahul Nanwani and Harsh Patel is a record of bonafide work carried out by him in the partial fulfillment of the requirement for the award of Degree of B Tech (CSE) at MIT School of Engineering, Rajbaug, Loni, Pune under the MIT ADT University. This work is done during the year 2018-19, Semester IV.

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Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

Name of the Students

Rahul Nanwani

Harsh Patel

ABSTRACT

Gradeient- An android app to manage studies for the students

Rahul Nanwani, MIT ADT University

Harsh Patel, MIT ADT University

At present, there are number of android apps available in the market for teachers to manage studies for the students. There's no platform for teachers to allow them to send their students the required material to refer to before their lectures. The teachers could notify the students to refer to some content that would make students to understand the topics better and also remind them about the submission dates for the projects and assignments.

The teachers can simply text the students on WhatsApp, but in order to keep students away from the spamming texts and other messages on the groups we can design another android app that would help them focus on the important topics and stay away from distractions.

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INTRODUCTION

WhatsApp groups are filled with spam and irrelevant texts. The students get distracted from the topics of focus by the spam content spread by others. It's a need for the teachers and the students to find some way to avoid this spam and annoying content.

The purpose of designing the application that circulates around the student-teacher interaction is to make the process more efficient. An android app can be designed for the teachers and the student mentors to help the students from getting distracted from the submission dates and other important updates by the spam texts.

The aim of this project is to design an application on Android platform that would enable the teachers to notify the students about the topics that are to be covered in the upcoming lecture and also share some important relevant content that the students could refer before the lecture for the better understanding to the concepts.

This application would also allow the teachers to let the students know about the submission dates for the project-work, class tests and assignments.

PLATFORM/TECHNOLOGY

Gradeient is an android application designed for Android platforms with Android OS version 4.0.3 (IceCreamSandwich) or above. This application is based on Java and xml and is designed using the Android Studio 3.4.0. The application uses Firebase for the database.



PROBLEM DEFINATION

Design a Java-based android application to established a platform between the teachers and the students to deliver important study-related updates easily and without any kind of distractions.

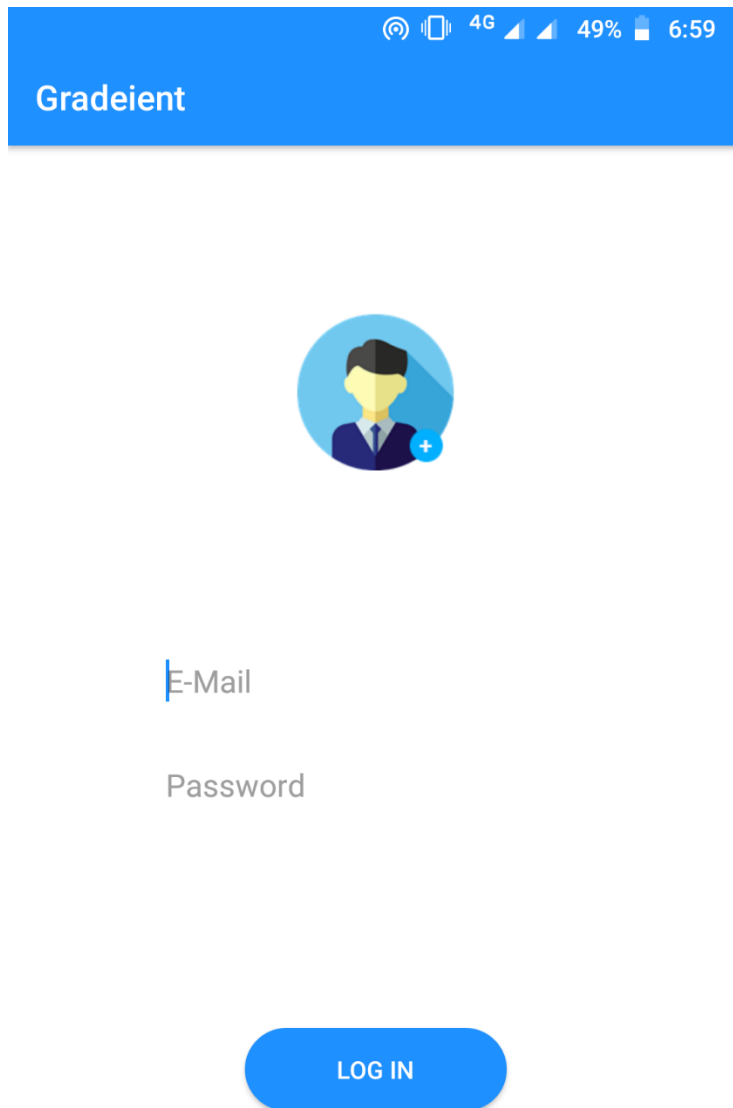
The application would allow the teachers to update the students about the:

- Submission dates
- Class tests
- Topics to be covered in the next lecture
- Videos and other referable content for the next lecture

Output

- LogIn Page-

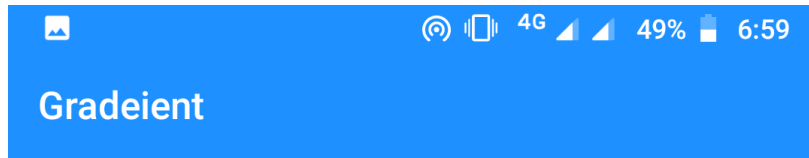
The user is directed to this LogIn page when he opens the app.
He can LogIn with the registered account from this page.
Clicking on the photo will redirect user to the register account screen.



The image shows a mobile application login screen. At the top, there is a blue header bar with the word "Gradeient" in white. Above the header, a status bar displays various icons including a Wi-Fi signal, a battery icon, "4G" network, signal strength bars, "49%" battery level, and the time "6:59". Below the header, there is a circular profile picture placeholder featuring a stylized person icon with a blue plus sign in the bottom right corner. Underneath the profile picture are two text input fields: the first is labeled "E-Mail" and the second is labeled "Password". At the bottom of the screen is a blue rounded rectangular button with the text "LOG IN" in white capital letters.

- **Register Account Page-**

The user will now upload a photo and the requested details according to the requirements needed.



Name

E-Mail

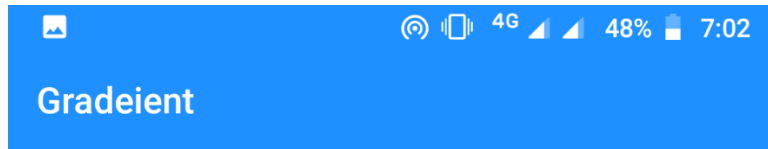
Password

Confirm Password

REGISTER

- **Register Page-**

The information once filled and on successful registration a pop-up message is shown indicating the account has been created successfully.



J cole

cole.j.bus@gmail.com

12345678

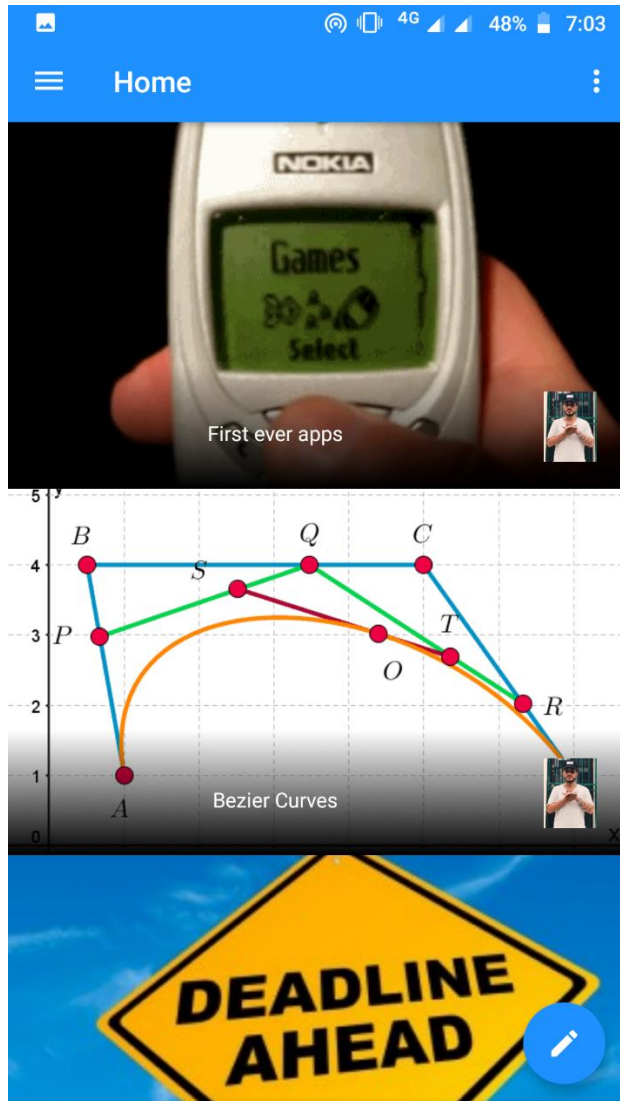
12345678



Account Created!

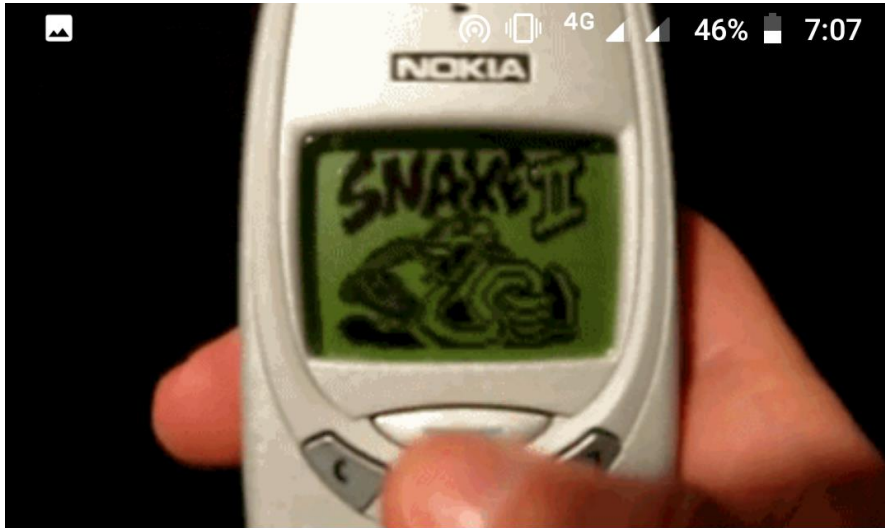
- Home Page-

The user is directed to this home page once he is logged in.
This is his feed where he can go through all the updates.



- View Post-

The user can view the details of the updates simply by clicking on the post image.



First ever apps

01-30-1970 

These things weren't called 'apps' back then

They were generally referred to as 'features' found in the 'Mobile Office' section of the phone. Remember, the Snake Game? Those were apps too!

Earlier, a few Java games, a calculator or monthly calendar were all that came under the category of mobile apps. Nokia is still remembered for its famous Snake game on some of its earliest phones

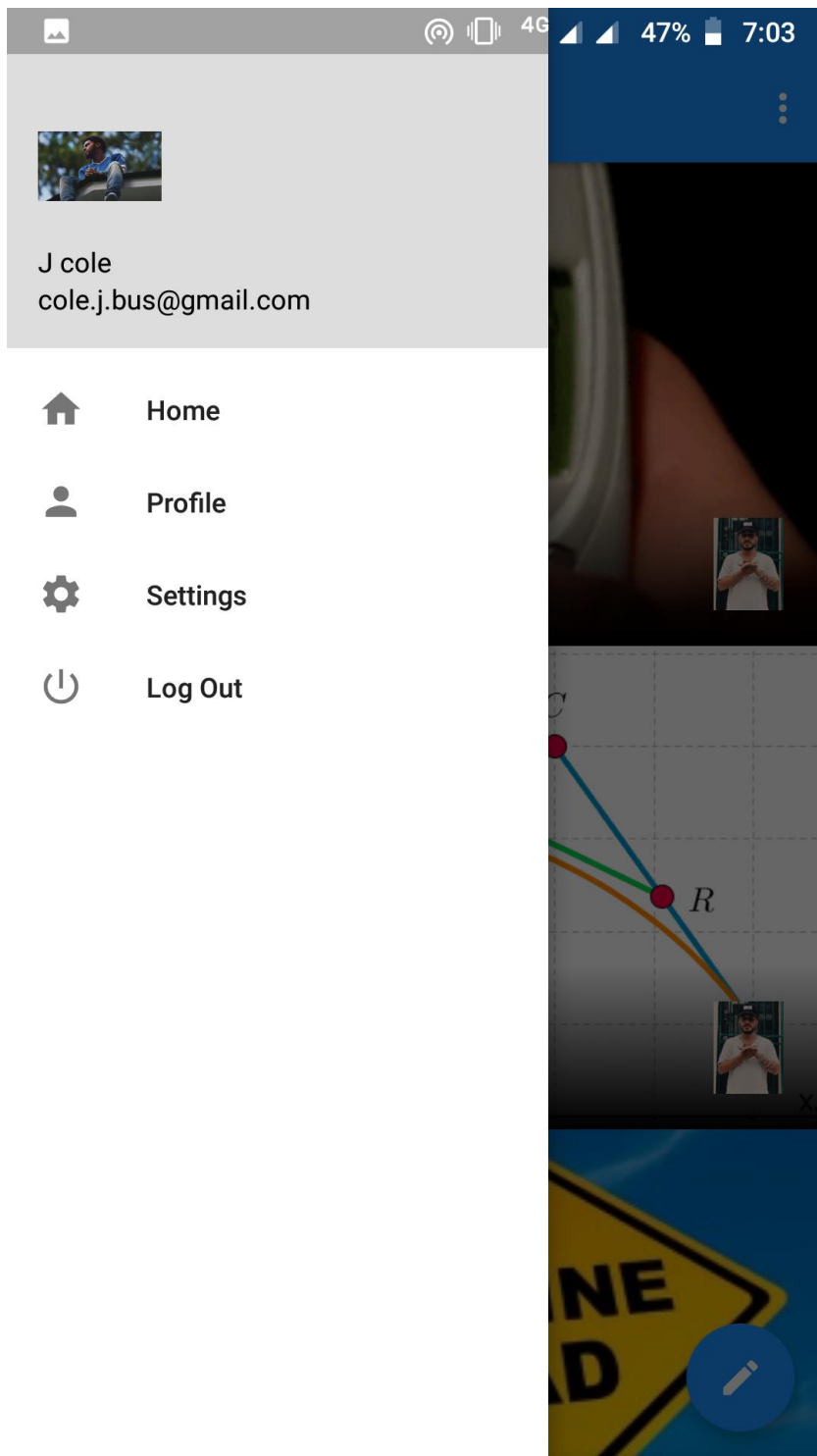


Query/Solution

ADD

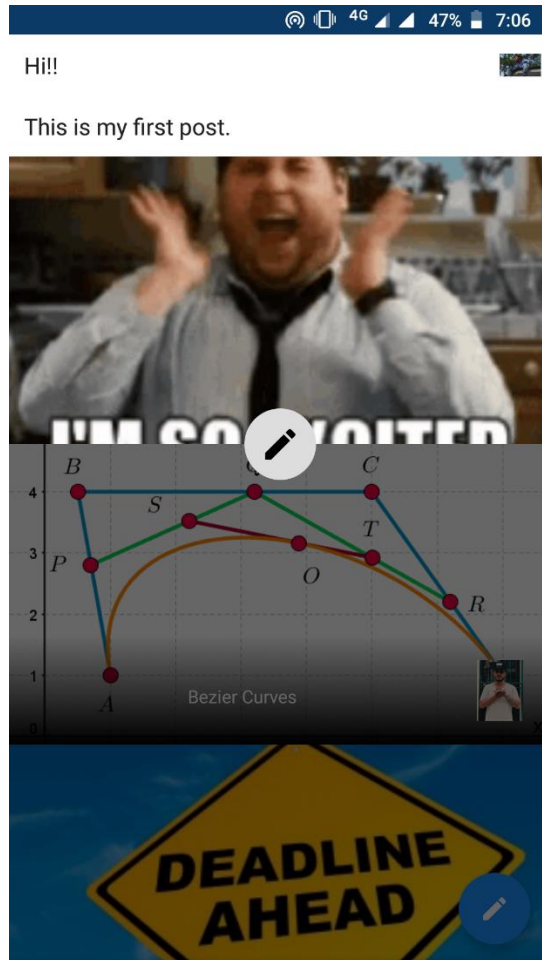
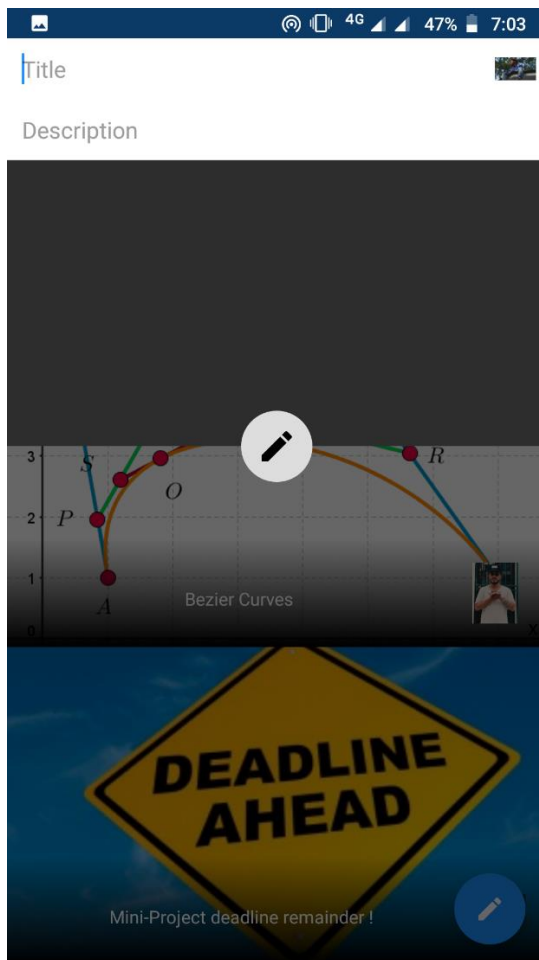
Navigation Drawer-

The user can view different modules from here and also log out from his account.



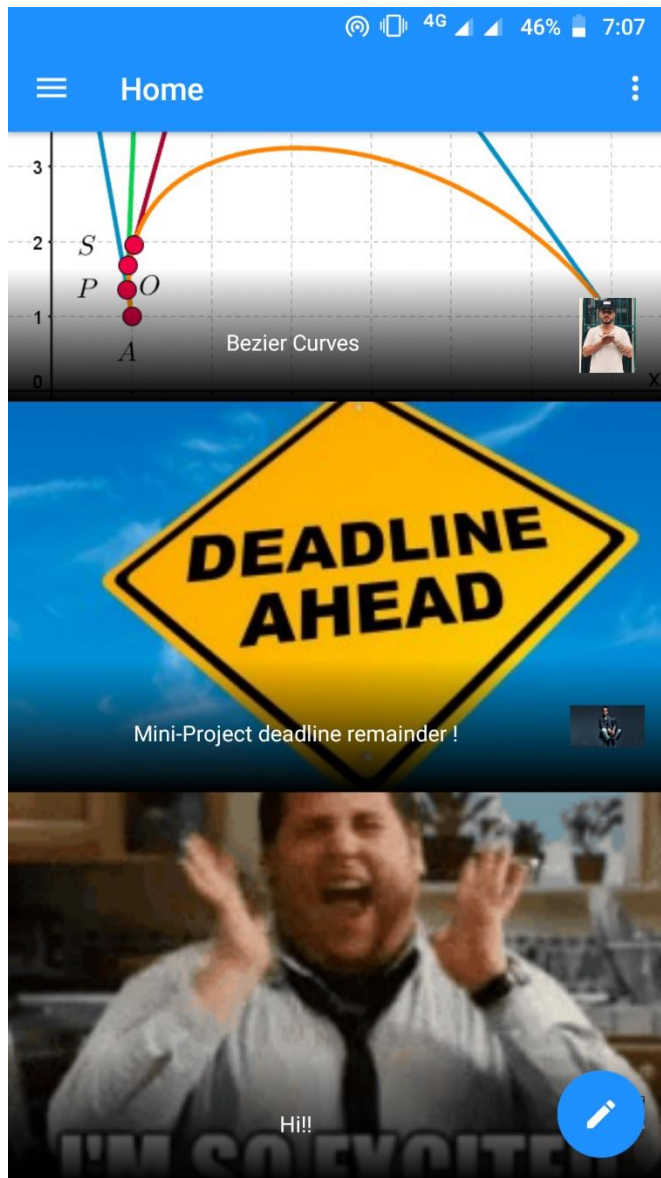
Create Post-

On clicking the create post button the user is promoted to this page, where the format has been already given.

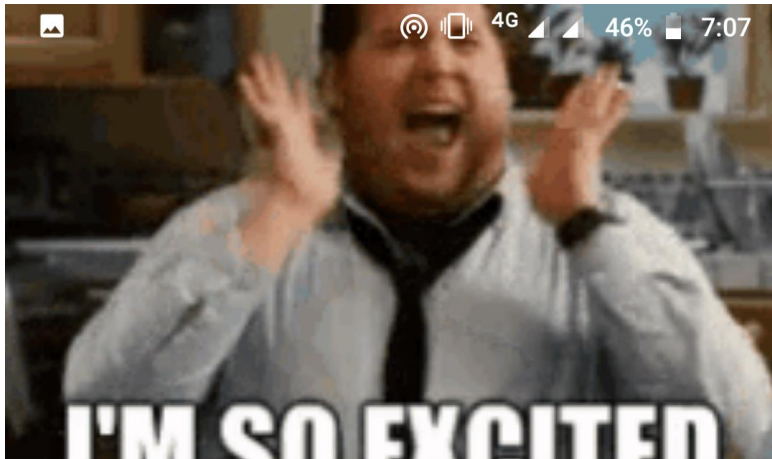


Feed-

The post has been added to the feed.



The details of the update we recently posted.



Hi!!

01-30-1970 

This is my first post.



Query/Solution

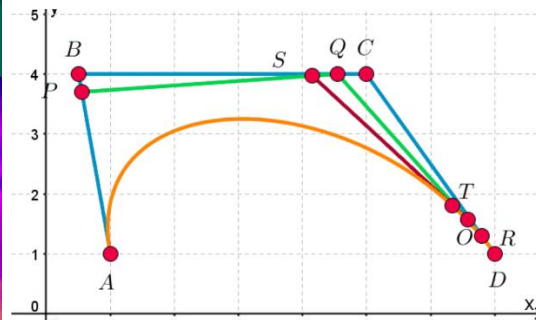
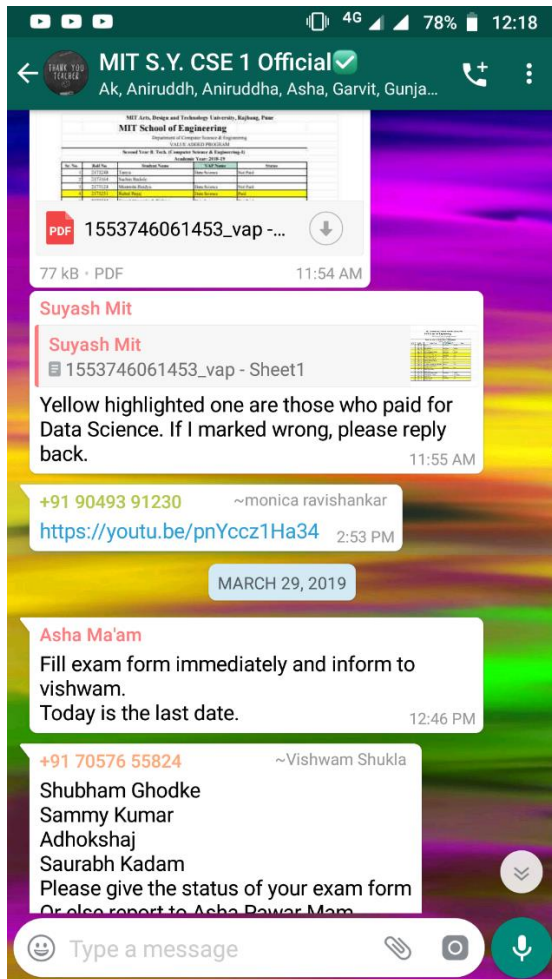
ADD

Some modules are still under development.



Application

A teacher who wants to let the students know about the topic to be taught in the next lecture and wants her students to refer to some content for their better understanding.



Bezier Curves

01-30-1970

Kindly refer to the videos on the following topic



Query/Solution

ADD

REFERENCE AND BIBLIOGRAPHY

Smart India Hackathon, 2019- <https://www.sih.gov.in/>

YouTube- www.youtube.com/

CONCLUSION AND FUTURE ENHANCEMENTS

We have successfully made a Java-based application for Android platforms and established better communication between the teachers and the students to help them study better and on-time.

The future enhancements that could be done are to add the features that would allow students to ask queries, help teachers notify students when they post and also developing a better UI for the application.