



EDUCATZILLA - An Online Meeting Application

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Abstract: -

Education institutions use new technologies to improve the quality of education but most of the applications which are used in colleges are related to service and development there are web applications that are helping students to take online training and tests. There are very few methods that can help teachers to teach student online. Every time teachers have to make presentations by their own. Some teachers even tell student to complete nptel, coursera course for better understanding the concepts. But this is ruining the education because we all are familiar with copy/pasting and where to get answers technique. To solve this problem we come here to launch our application that is combined form of online meeting as well as YouTube. Why YouTube? Because the level in educational field, YouTube earned more points. Students also prefer to learn from YouTube, but sometime they want college faculty to clear their doubts that is raised through YouTube.

Key-Words:- nptel, coursera,online-meeting.

Introduction

Educatzilla is one of its kinds meeting application which provides streaming of online learning platforms. Students usually watch online learning videos to learn the concepts, and also buy paid courses. Faculties can provide better method of teaching in online mode through various visualization concepts. Students can clear any doubts they have in learning platform lectures by consulting it with faculties. Our proposed solution is to combine YouTube and college faculty in one platform. Because we have seen the educational power of YouTube in pandemic. Students usually watch YouTube videos to learn the concepts, and also buy paid courses to learn. And faculty is consuming more time in making presentations to make student learning the concepts.so why not we can merge college faculties and you tube in one platform for better understanding the things.

Problem Formulation

We proposed the solution of an online android application, provides the functionality of live streaming YouTube lectures or Unacademy lectures while doing meetings with students and taking online classes. So that teachers shall not need to consume a lot of time in making presentations. YouTube videos will help them to make student understand the concepts using visualization. For students they can do group study on this platform by following any youtuber lectures and plus point is students can talk with each other during play mode of video. And if faculties want to earn more through their teaching skills they can do live streaming directly through EducatZila.it will direct post on their YouTube channels as well as college student's lectures also done on same time that means "ONE ARROW WILL FINISH TWO TARGETS"

Facilities provide by our Software:-

- Broadcasting lecture
- Start playing YouTube/Unacademy videos on the application.
- Lobby mode.
- Live streaming without going on YouTube.
- Screen sharing.
- If doubts so users can Raise hand.
- Mute everyone and runtime (in between meeting) can change the password for privacy.
- Low bandwidth mode (if network issue happens then the application will provide constraint automatically).
- Start recording lectures.
- Can mute everyone

Solution Proposed

We proposed the solution of an online android application, provides the functionality of online meeting along with live streaming of online platform. we have solved the problem by adding various features such as note making and storing it, and whiteboard to explain the concepts and scientific calculator to make the calculation easy. Teachers will not need to consume a lot of time in making presentations. YouTube videos will help them to make student understand the concepts using visualization.

Survey of Existing Systems

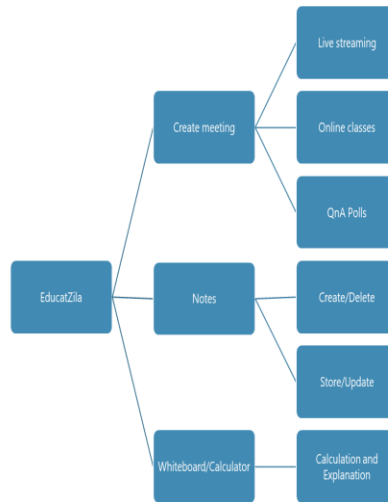


Figure 1 Block Diagram

Features	EducateZila	Google meet	MS teams	Skype	Zoom
Online meeting	✓	✓	✓	✓	✓
Live streaming	✓	✗	✗	✗	✓
Storing notes	✓	✗	✗	✗	✗
Whiteboard	✓	✓	✓	✓	✓
Scientific Calculator	✓	✗	✗	✗	✗

Figure 2. Table of existing app.

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Literature Review

Since it has been discovered in Wuhan city, the COVID-19 is rapidly spread globally, which caused the pandemic. On 30th January 2020, the World Health Organization (WHO) declared it as an emergency state of health to the public that disturbs the world (Dewi, 2020). COVID-19 is one of the most dangerous viruses because it attacks the respiratory system, with symptoms of fever, coughing, and colds. The average incubation period for this virus is five to six days, with the most extended incubation period reaching 14 days (Dewi, 2020)

The existence of COVID-19 has a significant impact on the world community. The impact of the virus can be felt in many fields, such as social, economic, tourism, and education. The field of education, in particular, the existence of COVID-19, caused many countries to close schools from the lowest levels until the university level. The closure of school has a significant impact on protecting more than 570 million students in the world (UNESCO, 2020). However, UNESCO, which is also supported by UNICEF, WHO, and IFRS, suggested that the learning process would continue through online learning (Afriansyah, 2020). The implementation of social distancing by the government causes the online meeting application to be an initiative for all levels of society, such as business people, the government, the public, and students, to remain prominent and communicate virtually.

Since COVID-19 has been recognized as a plague at the international level, public places, companies, and schools have to be closed so that all learning activities have to be carried out at home and transformed into online meetings and classes that can be accessed online. It makes many online meeting or video conference applications vital because almost all of the world population uses them.

Methodology

Your most unhappy customers are your greatest source of learning. — Bill Gates

An App which is all in one information app. It provides Different streams according to their eligibility criteria. There is Options in the form of flow which will help students to choose the correct option for them. In our app there will be multiples tabs, but in the first one student has to select category what he's doing now according to their state the next tab will open. In one section we will provide courses according to their skill interest.

Firstly, users need to install our application.

Then they need to register themselves for authentication and will login after that. After logged in, the user needs to create secret code using alphabet and numbers for security purposes.

Then Users will click on join button to attend the meeting .

After that User can share the direct link or secret code to allow people in the meeting And they can invite someone, who will present the screen, can do broadcasting, can play YouTube videos directly and raise their hand. If the user is facing any technical issue then using lobby mode they can stop the foreground process of the application including Screen sharing videos. Users can also do a group conversation during meeting and they have the facility to toggle the camera and record the video and start live streaming.

Users have to select the sound device either phone or speaker. Host can change the password in runtime to avoid external or outsiders Users. Host have the command to mute everyone in one go. So in this way our application process may go ahead.



Figure 3

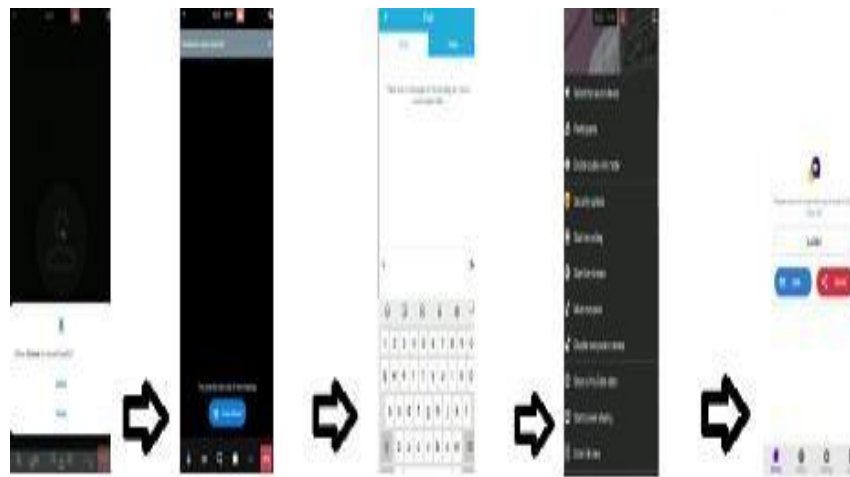


Figure 4

IV.Result Discussions

The results or outcomes are as follows:

1. provide a learning application through which we can do online meetings along with storing the notes and to clarify the doubts using links of different platforms.
2. If faculties want to earn more through their teaching skills they can do live streaming directly through EducatZila.
3. Improvement in the quality of blended learning rising demand for skills-based programs.
4. Teachers won't need to consume a lot of time in making presentations.

Conclusion

This is to conclude that the project that we undertook was worked upon with a sincere effort. Most of the requirements have been fulfilled up to the mark and the requirements which have been remaining, can be completed with a short extension. This project would definitely satisfy all the requirements of the students, employees etc. The key features of the application include: understanding the different personalities, taking a personality test, viewing career possibilities, viewing professional test etc. The application was aimed at coming up with a solution that would bridge the gap in the inadequacy of personnel available both at the school and industry level for guidance and mentorship to the many students we have in India. System testing was look and feel, ease of use, system functionality and acceptance was done.

References

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