

1. Abstract

Our project EduLane will be hosted by University Grants commission or any centralized educational body and available to all UGC approved universities and higher education institutions. As EduLane will be open source, it can be customised and tailored to individual university needs. As the scope is very wide, we aim to complete some modules in first phase. These important modules are a message system, a discussion board, video lecturing and a study material upload-download zone. We implemented the idea of message system and study material zone in a traditional way. In message system, a user can send, receive, forward, etc. a message and in study material zone- exchange of materials take place between student and professors. In video lecturing- Professor can conduct a video lectures & all the student join the lectures by login authority. There are also some other features like Profile Management, online attendance, Student records, Quiz or questionnaires and results.

2. Problem Summary

Nowadays we see that the whole world is passing through the hard time because of Pandemic of COVID-19. The results of this in human life is disturbing, student's career is at risk. Lockdown of Schools and Colleges disturbs the academic career of students. It can make huge impact on student's life. We have an unforeseen situation at hand and no one knows when colleges and universities can re-open. Students also have the problem of how to stay connected with study, complete their coursework and prepare for evaluation. Looking at all these, we, a team of Peak Performers have thought of Single online education platform across all universities of India. Our platform will work as complementary when this pandemic got over, while it will work as a contingency plan whenever any situation same as this pandemic happen.

3. Aim and Objectives

Our aim to develop an open source learning platform designed to provide professors, administrators and students of Indian Universities with a **sole robust, protected and unified system** to create personalized learning environments. We aim to develop various modules pertaining to overcome all the educational challenges in present situation.

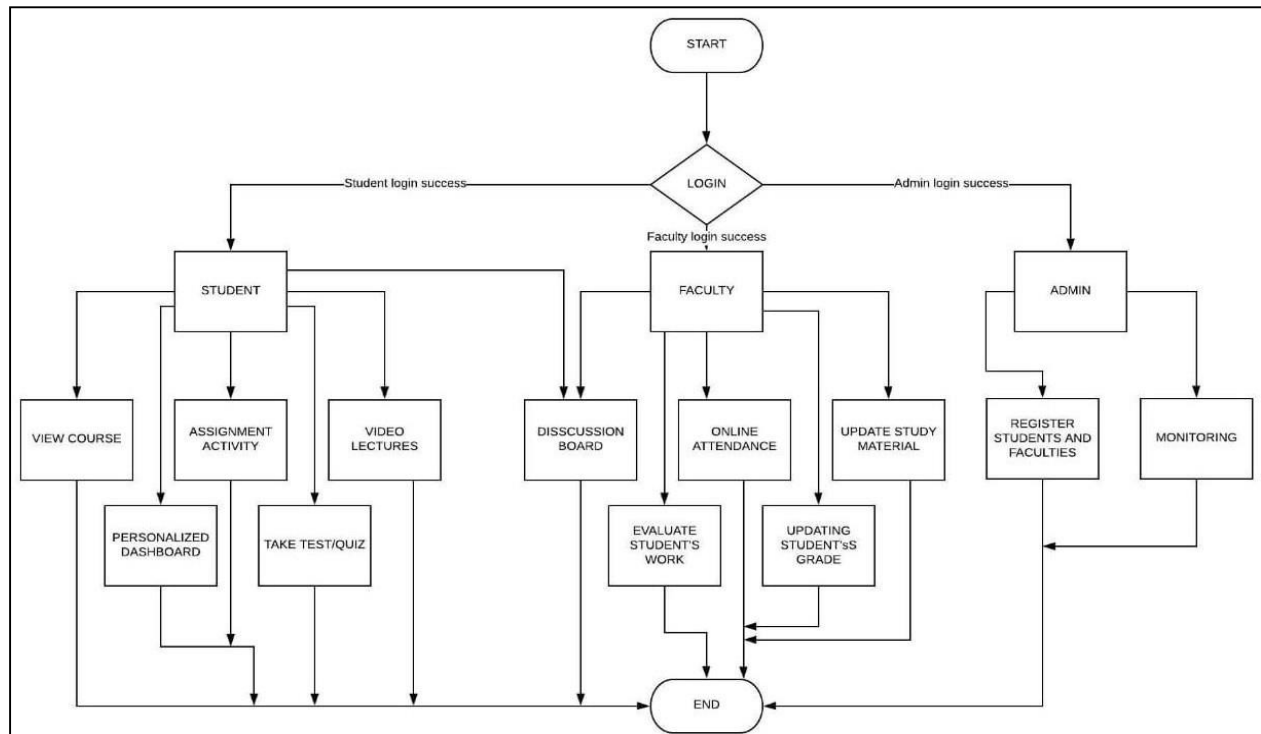
4. Novelty in EduLane

We aim to add following new features which is rare to find in existing education platforms:

1. We aim to enable educators to create interactive contents such as videos, quizzes and presentations.
2. Personalised Dashboard: We aim to create personalised dashboard for each enrolled student where they can see their past, present and future courses, related events, workshops, projects, case studies, course material etc.
3. All-in-one Calendar: We aim to put one Calendar module in which we will show all upcoming events, courses, webinars, video lectures and this calendar can be filtered by all these activities, week, month, year also. Therefore, you can check all the activities coming in particular week, month or year.
4. Emojis: We aim to put Emojis in forum messages to make them more interesting!
5. Bulk Messaging, Assignment Activity and Question Bank
6. Project upload
7. Course backup

8. Faculty Development Programme: We aim to develop one separate module for various course wise Faculty Development programme including online workshops and webinars.
9. Collaborative coursework: We aim to put some quizzes, project, case studies, surveys which students need to complete in a team.

5. Flowchart



6. Features

- Free with no licensing Fees
- All-in-one learning platform
- Highly flexible and fully customisable
- Scalable to any size
- Robust, secure and private

7. Potential impact it can bring if implemented

E-learning has revolutionized learning for a number of years, improving efficiencies, workflow and collaboration. EduLane will provide flexibility in terms of places of learning and time of learning in higher education sector. EduLane will be used to university education, to deliver impactful courses that are fun and engaging. EduLane does not require a lot of resources. Distance learning can be redefined as an educational field that is geared towards utilizing technology, pedagogy, and instructional designs with a goal of delivering education to students who are not present physically in the conventional campus or rather classrooms. This project is more useful to colleges or university for e-learning system. Through an amazing feature of video lecturing, professors can conduct an interactive session with students. Students can easily access or maintain the study materials.