A Project Report on

E-Learning Management System

Submitted in partial fulfillment for the award of

Degree In

Computer Science and Engineering

By

SOURAV KUMAR (D/18/CS/105)

AMIT KUMAR (D/18/CS/001)

Under the supervision of

Mr. Yogendra Mohan

(Asst. Professor, Dept. of CSE)

Computer Science and Engineering Department

North Eastern Regional Institute of Science and Technology

Nirjuli, Itanagar, Arunachal Pradesh 791109

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CANDIDATES' DECLARATION

This is to certify that the project entitled "**E-Learning Management System**" is pre-requisite project work carried out by us towards partial fulfillment of the award of Degree in Computer Science and Engineering submitted to the Department of Computer Science and Engineering, North Eastern Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh, under the guidance of **Mr. Yogendra Mohan**, Asst. Professor, Department of Computer Science and Engineering during the academic semester Jan-May'22.

Dated: 16th June, 2022

Sourav Kumar **Amit Kumar**

(D/18/CS/105) **(D/18/CS/001)**

पूर्वोत्तर क्षेत्रीय वर्वज्ञान एर्वंप्रौद्योविकी संस्थान

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CERTIFICATE OF APPROVAL

This is to certify that the project report entitled **"E-Learning Management System"** submitted jointly by:

SOURAV KUMAR (D/18/CS/105)
AMIT KUMAR (D/18/CS/001)

In partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering to NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

Mr. YOGENDRA MOHAN
(Project Guide)

Approved By

DR. MOIRANGTHEM MARJIT SINGH
(Head of Department CSE)

Mr. ASWINI KUMAR PATRA
(Project Coordinator)

Phone: (0360)2257401 – 11(0)
Fax: (0360) 2257872 / 2258533

Email:@nerist.ac.in
Website: www.nerist.ac.in

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Last but not the least; we would like to express our feeling of endearment to our parents who always supported us with their encouragement and silent blessing throughout the project period. We are also very thankful to our friends who have directly or indirectly helped us in the successful completion of this project. We would like to express our deep sense of gratitude to all teaching and non-teaching staffs of Computer Science Department, NERIST.

Sourav Kumar
(D/18/CS/105)

Amit Kumar
(D/18/CS/001)

ABSTRACT

The reason for E-learning Management System is to mechanize the current manual framework by the assistance of modernized hardware's and undeniable program, satisfying their prerequisites, so their significant information/data can be put away for a more drawn-out period with simple getting to and control of something similar. The necessary programming and equipment are effectively accessible and simple to work with. E-learning Management System, as depicted above, can prompt mistake free, secure, dependable and quick administration framework. It can help the client to focus on their different exercises rather to focus on the record keeping. In this way it will help association in better usage of assets. The association can keep up with modernized records without repetitive passages. That implies that one need not be diverted by data that isn't pertinent, while having the option to arrive at the data.

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CHAPTER 1

1.1 Introduction

The "E-Learning Application" is made to annul the issues winning in the practicing manual structure. This item is maintained to kill and on occasion decline the challenges looked by this ongoing system. Other than this structure is expected for the particular need of the association to get done with responsibilities in a clean and feasible manner.

Application is lessened whatever amount as could sensibly be anticipated to avoid screws up when the data entered. It correspondingly gives mishandle message when invalid data is entered. No standard data is assumed for the client to use this development. Thusly, by this all it shows it is not difficult to utilize. E-Learning Application, as depicted above, can incite screw up free, solid areas for secure quick affiliation structure. It can help the client with focusing in on their different exercises rather to focus in on the how the record is kept. It will help to use the resource in better way.

1.2 Features of Android e-learning application

There are various segments for clients, and administrator.

Tutors can join in the application. Tutor can see the rundown of the multitude of courses he has transferred in the application. Mentors can transfer new courses with reasonable titles and classes. Clients who sign in the application can see every one of the courses. The dashboard will have various classes. After the client taps on any class, he will be shown every one of the courses accessible. He can tap on any course and begin learning. Administrator has the ability to see every one of the courses and erase any course.

1.3 Scope of E-learning application

It could help gathering ideal organization in nuances. In a particularly short period of time, the assortment will be self-evident, straightforward and reasonable. It will assist an individual with knowing the administration of spent year flawlessly and distinctively. It likewise helps in current all works comparative with E-learning Application. Our venture focuses on Business process robotization, for example we have attempted to mechanize different cycles of E-learning Application. It will be furthermore diminished the cost of social occasion the organization and combination method will do according to plan.

- In the system, the singular necessities to complete the various designs and total copies of the designs can be helpfully made at a time.
- It isn't vital to make the manifest anyway we can clearly print it, which saves our time.

- It helps staff getting the work spent on their different working locales.
- To involve resources in a capable manner by extending their effectiveness through robotization.
- The system produces sorts of details that are used for many purposes.
- It should satisfy demand of the client.
- Clear with overseer demand.
- Easy to work with UI.
- Totally finished time reasonable.

1.4 Module E-learning Application

Focus Modules:

Registration: -

In this, first the intrigued understudies get enlisted by choosing their particular user-id and secret key and by giving the vital subtleties.

Then, at that point, every client profile will be kept up with which can be altered by the client when wanted.

Every individual will enlist just a single time. Subtleties of every individual alongside their username and secret word is saved for all time in the data set.

Login: -

In the wake of giving the right username and secret phrase the client sign's in to the system framework's landing page. There the client can choose the accessible subjects to additionally find out about them. In the event that client enter wrong username or secret phrase, they block their record impermanent and after some security check they will ready to get to their record.

Landing page: -

In the wake of giving the right username and secret key, the client sign's in to the e-Learning framework's landing page. Around here at the landing page there are numerous decisions for client to learn various dialects like live classes, previous live videos, NCERT solutions and so on.

Client can take following makes a difference: -

- Instructional exercises about the subject.
- View topic about the subject.
- Class-wise NCERT solution.

1.5 Objective

The really level headed behind this venture is to give an easy-to-understand climate to give information and allow everybody an opportunity to learn, regardless of where they are, furnished they register themselves with the framework.

The primary highlights that the framework gives can be utilized, when the enlisted individuals select their intrigued subject & give the test for starter. This assists with laying out steady growing experience. Subsequent to taking this, in light of their degree of skill, they can take accessible instructional exercises, step through web-based examinations and furthermore talk about an issue/point by uploading messages in the conversation discussion. Alongside this they can a likewise take ongoing re-enactments of the most known serious tests.

CHAPTER 2

2.1 Specification:

The equipment and programming ought to be selected cautiously remembering following point:

- User friendly system
- System can hold large data.
- System should have smooth and clean interface.

2.1.1 Hardware Requirements

- Processor: Snapdragon 660 or above
- RAM: 4 GB (minimum)
- Internal Memory: 8 GB (minimum)

2.1.2 Software Requirements

- Operating System: Android only
- Android Version: Android 8 or above

2.2 Prerequisites for the proposed framework:

- System require to store data about new passage of assignment.
- Framework necessities to assist the interior staff with keeping data of student and track down them according to different inquiries.
- Framework need to keep up with amount record.
- Framework store the details of STUDENT.
- Framework has to invigorate and remove record.
- Framework likewise needs an inquiry region.
- It should have a security framework to forestall information.

2.3 Literature Survey

In the wake of concluding which learning the executives' framework to carry out, a continuous issue for numerous in advanced education is the means by which to use it in manners that develop learning and furthermore make an ideal experience for the two understudies and workforce. There has been some exploration concerning involving learning the board frameworks in a manner which advances learning. The arrangement for some learning the executives' frameworks, like the norm of WebCT and Blackboard, frequently goes against these standards and underlines data conveyance instead of genuine learning, (Herrington, Reeves, and Oliver 2005 referred to in Herrington, 2006). Using constructivist standards with a center around bona fide errands, mental authenticity, and willingness to accept some far-fetched situations can assist with working with more open doors for a valid encounter inside a learning the executives framework. Making further advancing inside a learning the board framework presents difficulties inside the on the web climate (Herrington, 2006). More profound learning standards can be used in different ways in a learning the executives' framework, yet frequently workforce should consider new ideas to carry out these methodologies. Virtual visit, conversation sheets and declaration postings all consider thesocial learning component, empowering connection among staff and understudies. Intuitive testswith prompt criticism work with dynamic realizing where practice and certifiable assignments are underlined. Painstakingly picked hyperlinks to sites let understudies investigate extra datain a relevant manner, coordinating the information into the understudy's reality. Connecting with learning, regarding various gifts in a high test, low danger climate can be accomplished through the utilization of general media instruments and sight and sound. Using the learning the board framework to improve the capacity of understudies to look for answers rapidly can enable them independently and permit them to take control through understudy possessed learning, (Iqbal and Qureshi, 2011).

CHAPTER 3

3.1 Analysis

- Step 1: Be clear about the idea you are thinking.
- Step 2: Understand the target audience.
- Step 3: Work to make UI/UX clean and easy.
- Step 4: Think about the most valuable features.
- Step 5: Define monetization feature.

3.2 Design

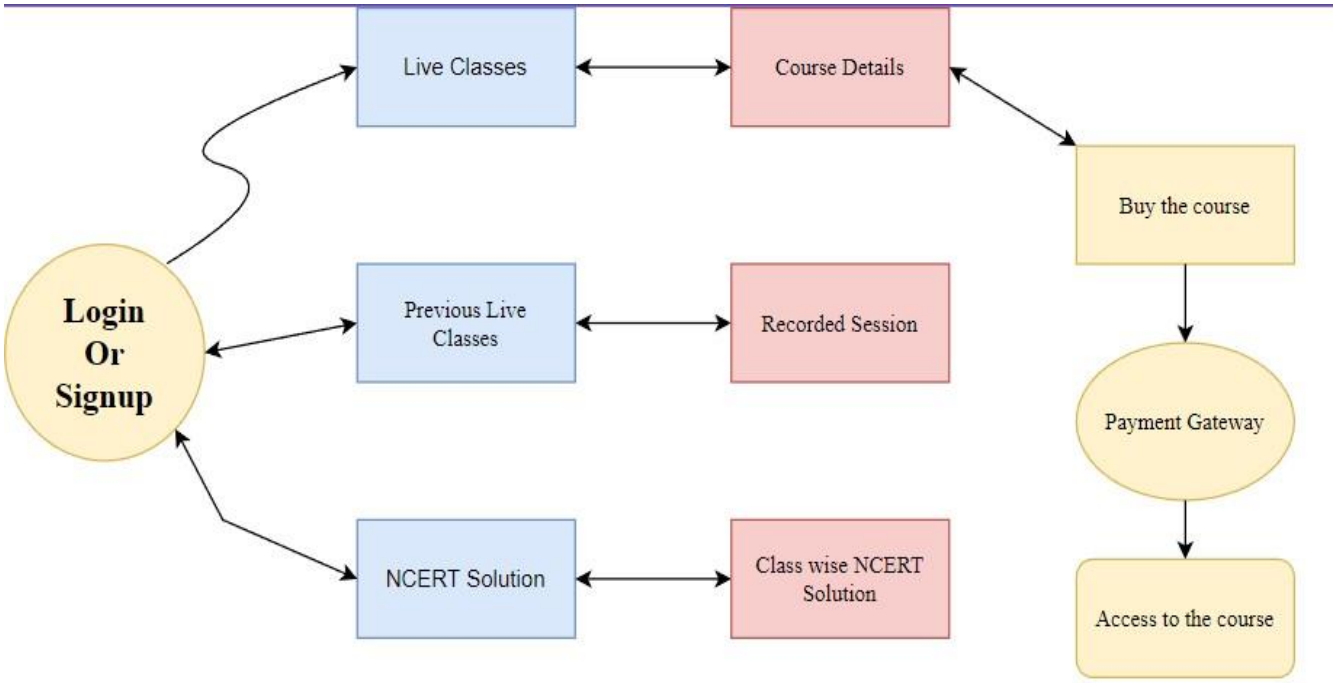
- Personal Account for Students and Admin: You need to give the capacity to pursue your e-learning application. The client ought to have the option to fill in the individual data, add Visas, and so on. It is likewise smart to make various points of interaction for students and instructors, as the list of capabilities they need will likewise be unique. For example, instructors ought to have the option to monitor their understudies, installments, progress with every one of them, and so on. Simultaneously, students ought to have an unmistakable timetable of the two classes themselves and installments for them

- Course System: The course framework is presumably the most thorough component when you make an E-learning system. Such a framework deals with the entire growing experience. Normally it looks as follows: virtual learning materials are conveyed through intuitive courses to virtual homerooms. The last option, thusly, are incorporated into a portable learning climate. The fundamental objective of the course framework is to smooth out the cycle for educators for more advantageous material creation. With everything that expressed, remember that the comfort of this framework is unequivocal for instructors that pick the application to work with.

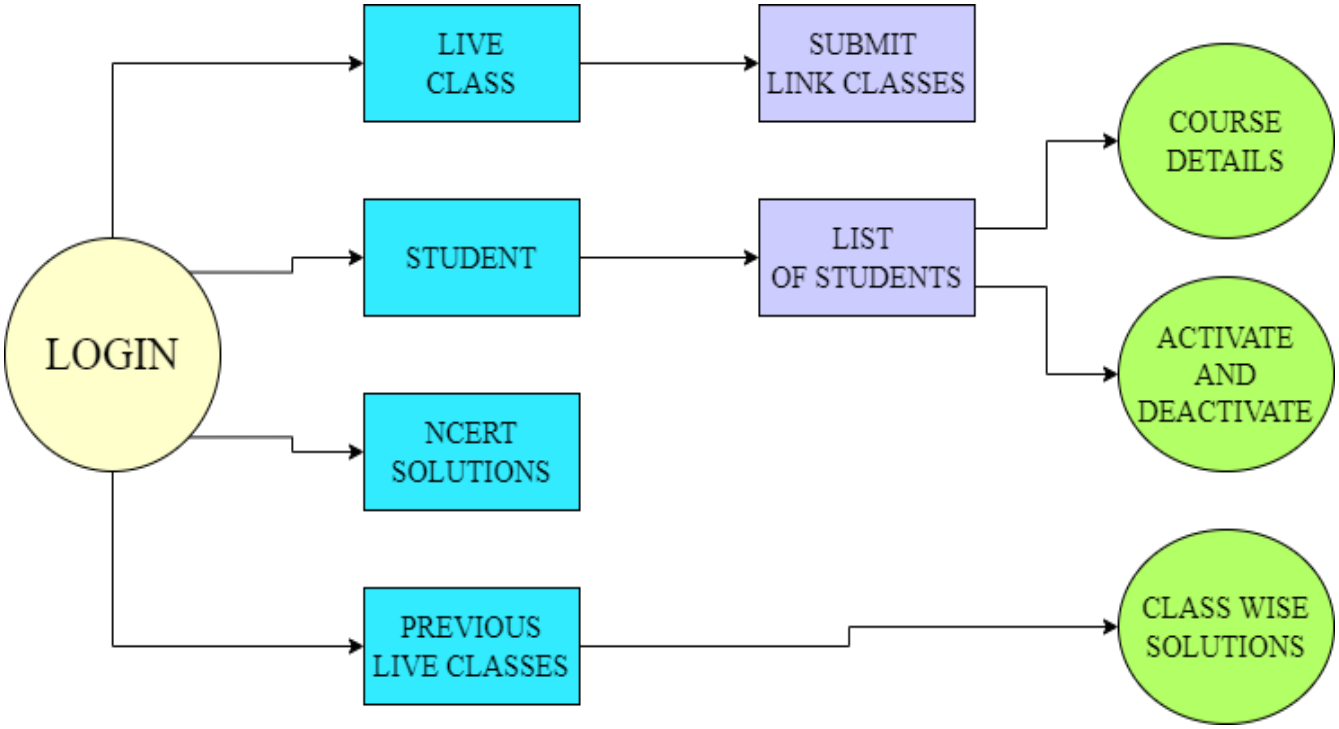
- Connecting Payment Gateways: Secure installments should be among your needs. In this way, make a point to coordinate secure installment passages (e.g., PayPal, Amazon Pay, Google Pay, and so on) to your e-learning system to make installments helpful and safe.

3.3 Flow Chart:

3.3.1 Student Application



3.3.2 Admin Application

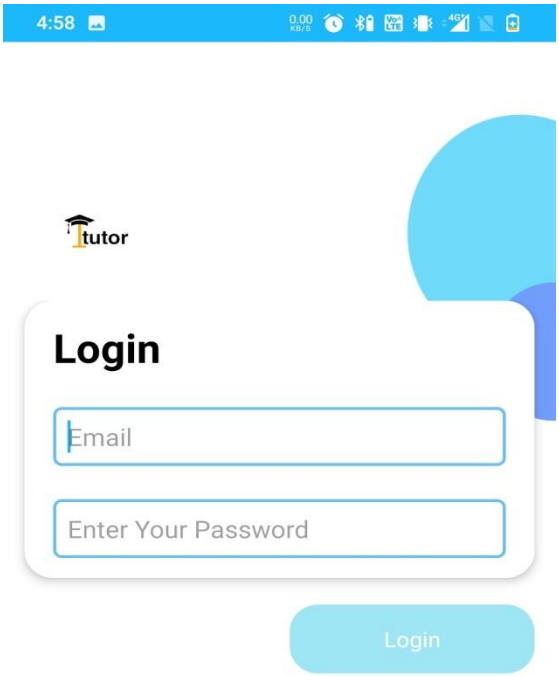


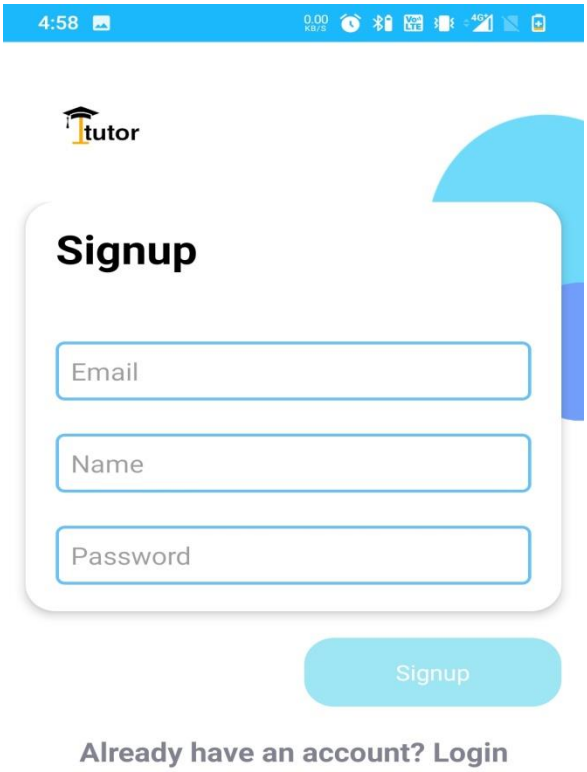
CHAPTER 4

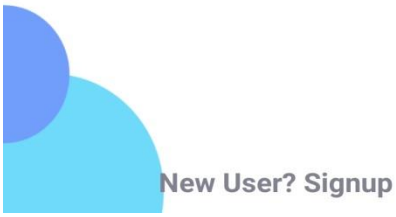
4.1 Result

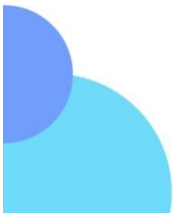
4.1.1 Student Application

Login & Signup:

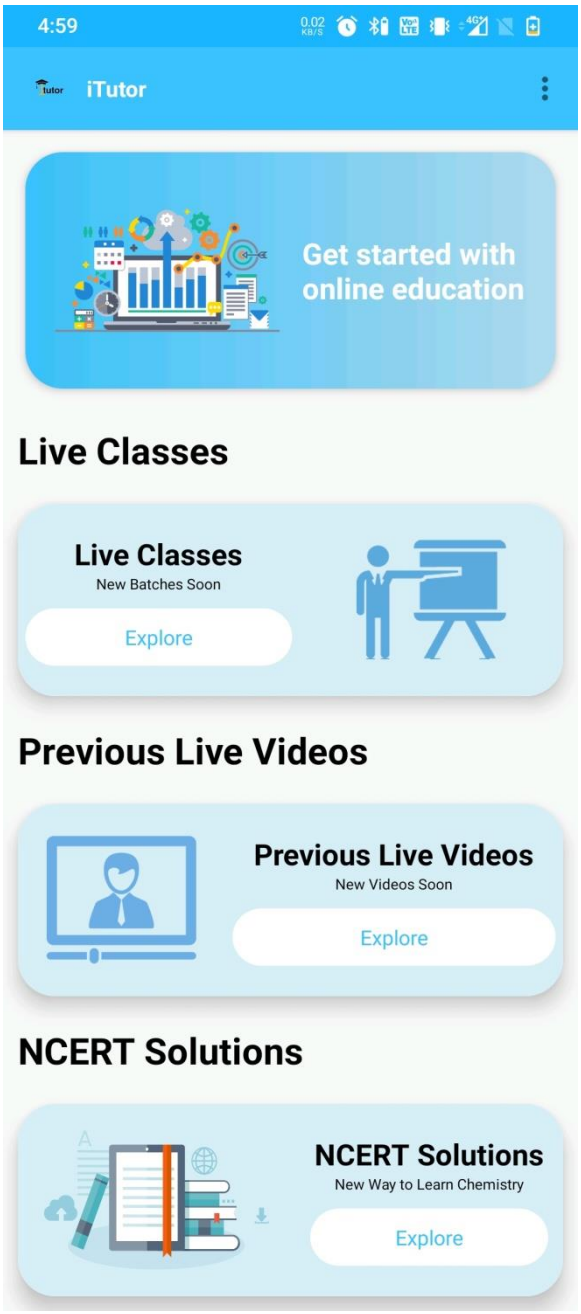


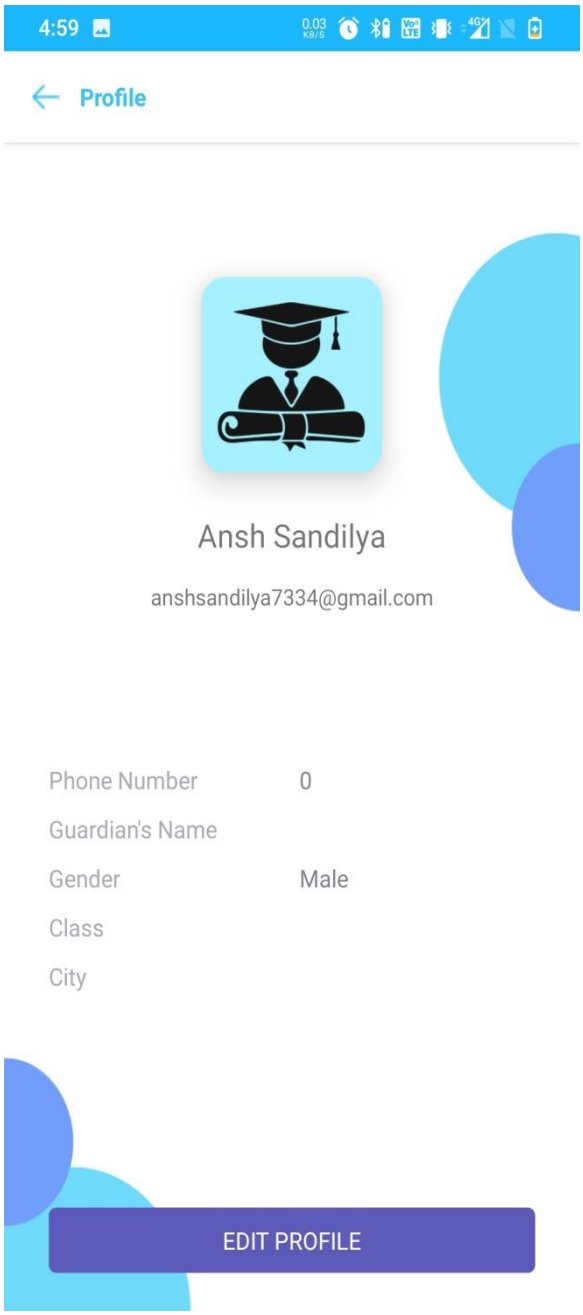




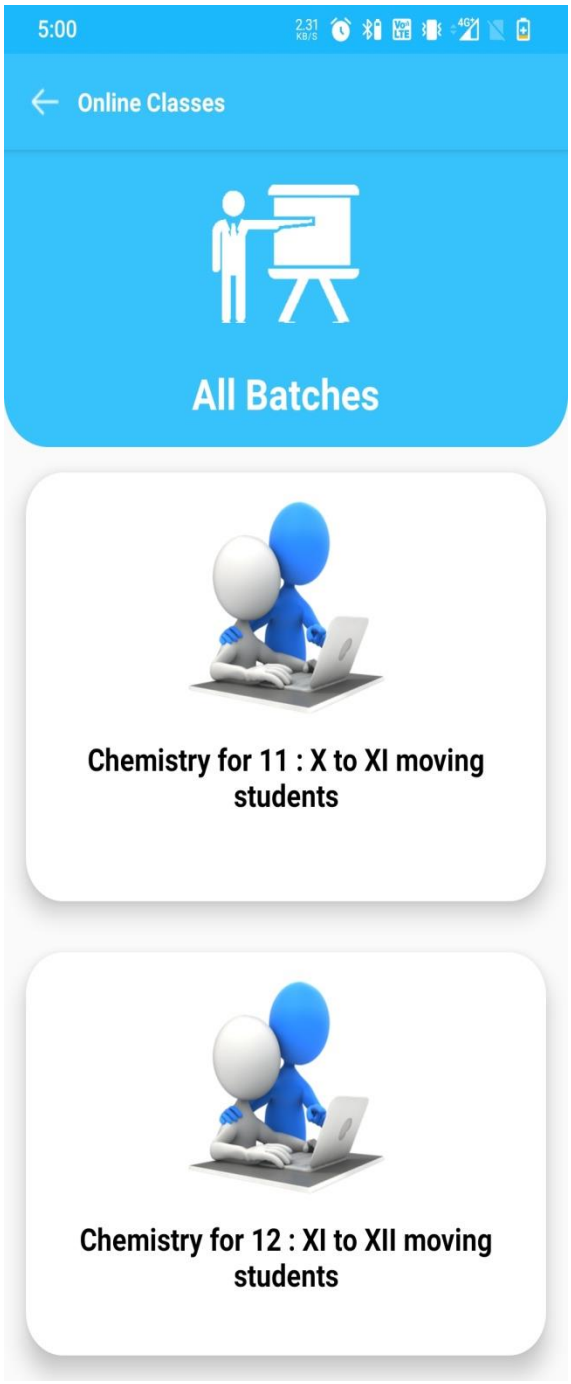


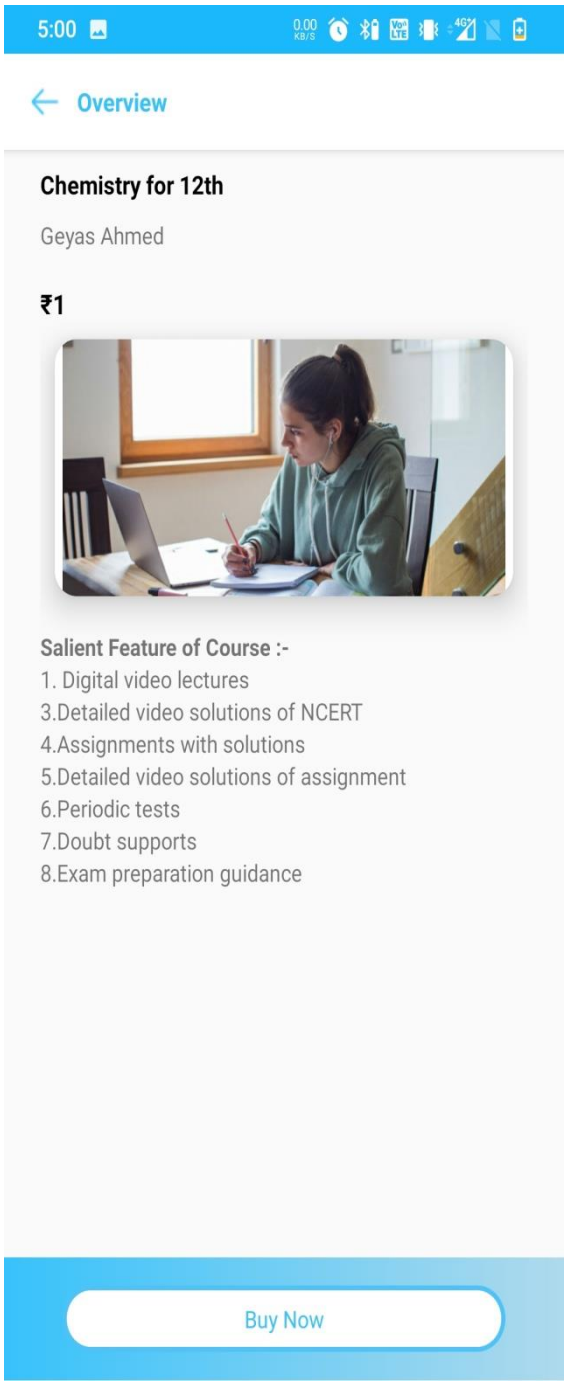
Homepage & Profile:



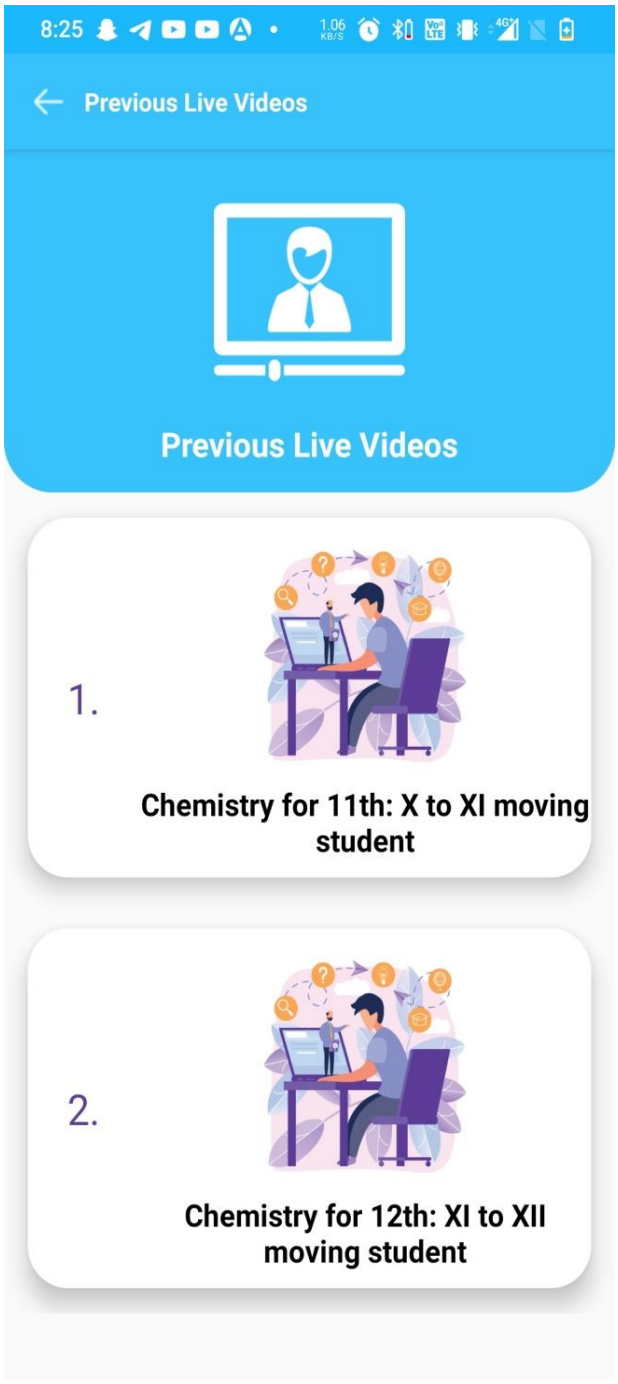


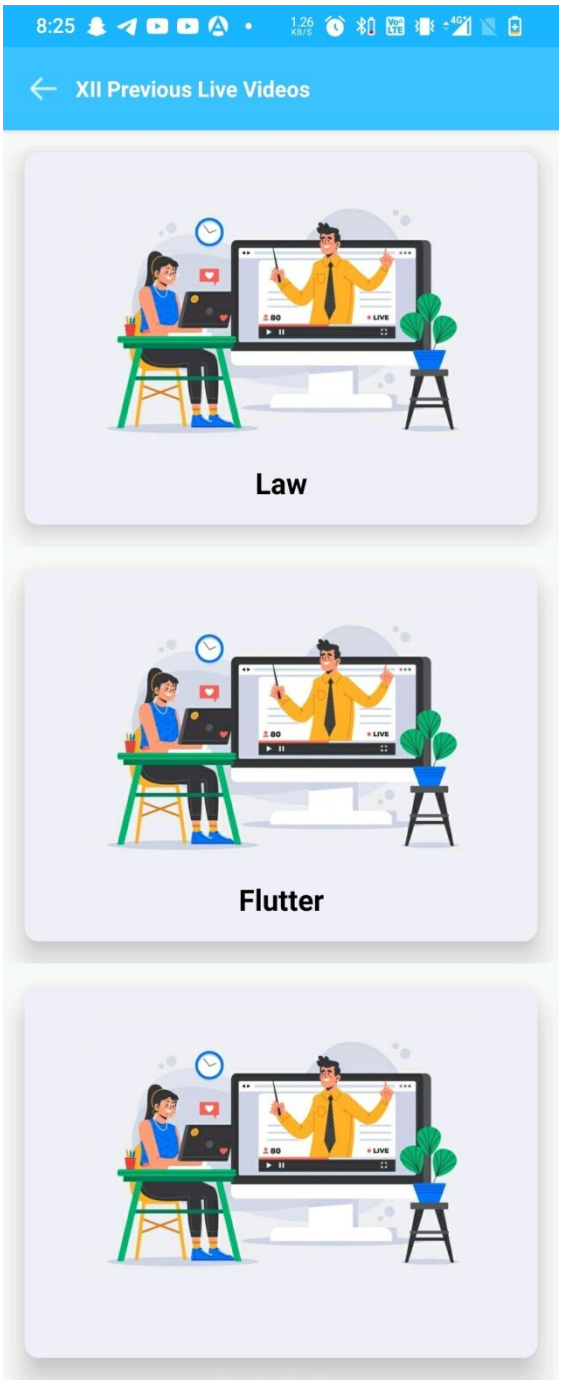
Course List & Payments:





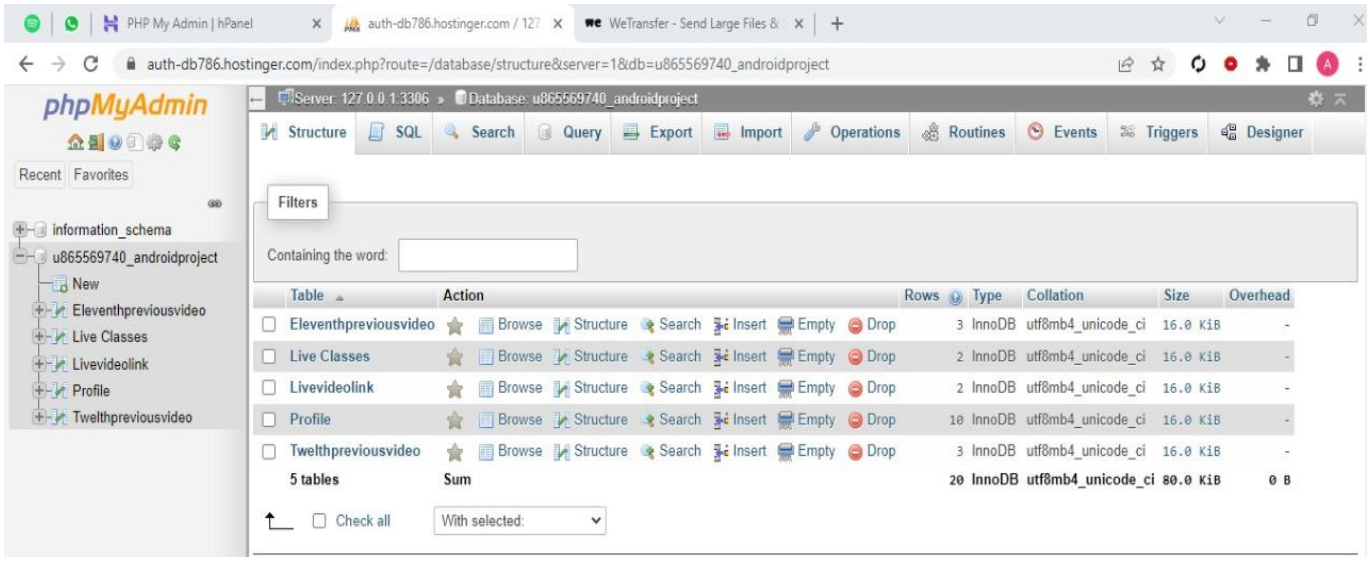
Previous Live Class (Recorded Class):



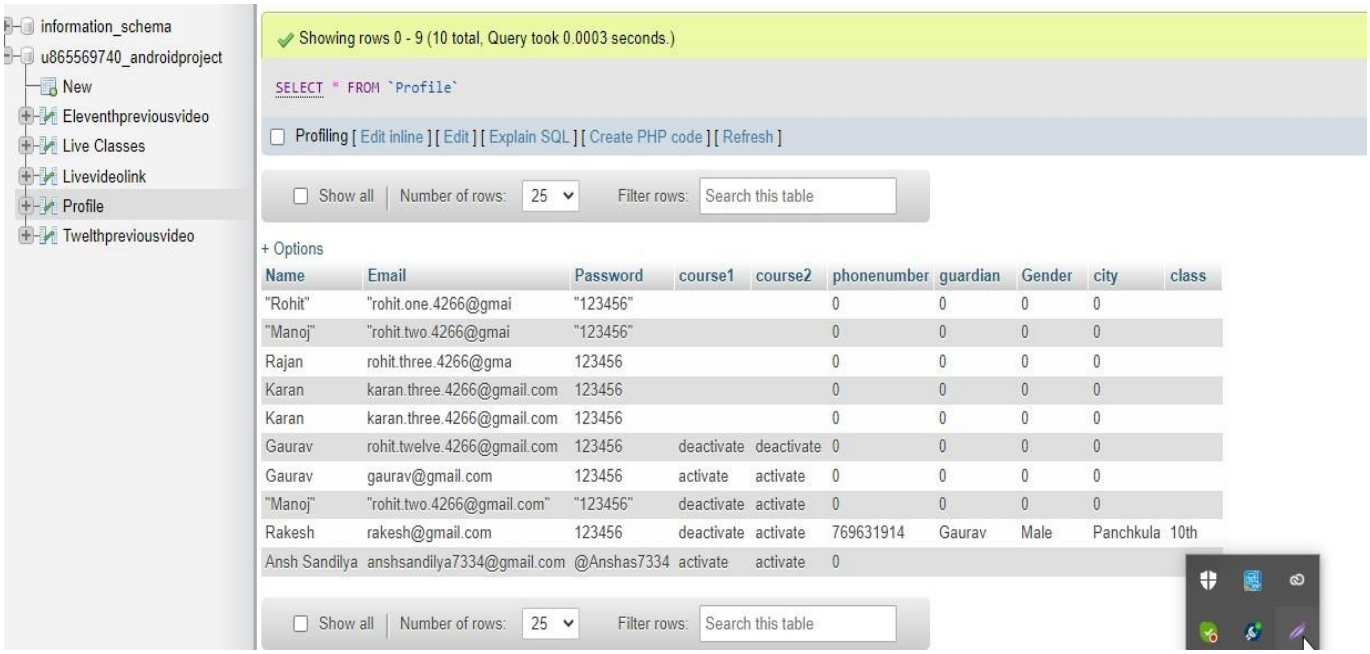


4.1.2 Database

Interface:

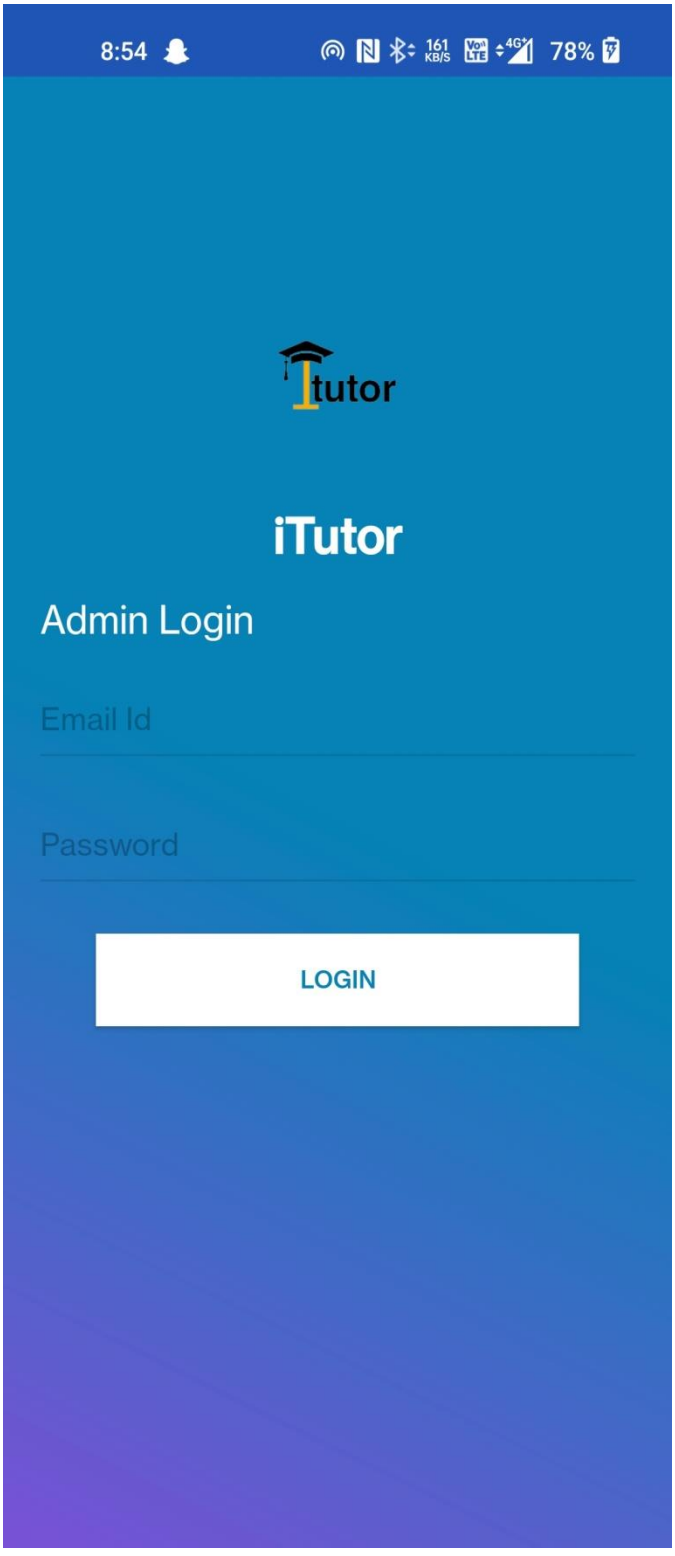


Student List:

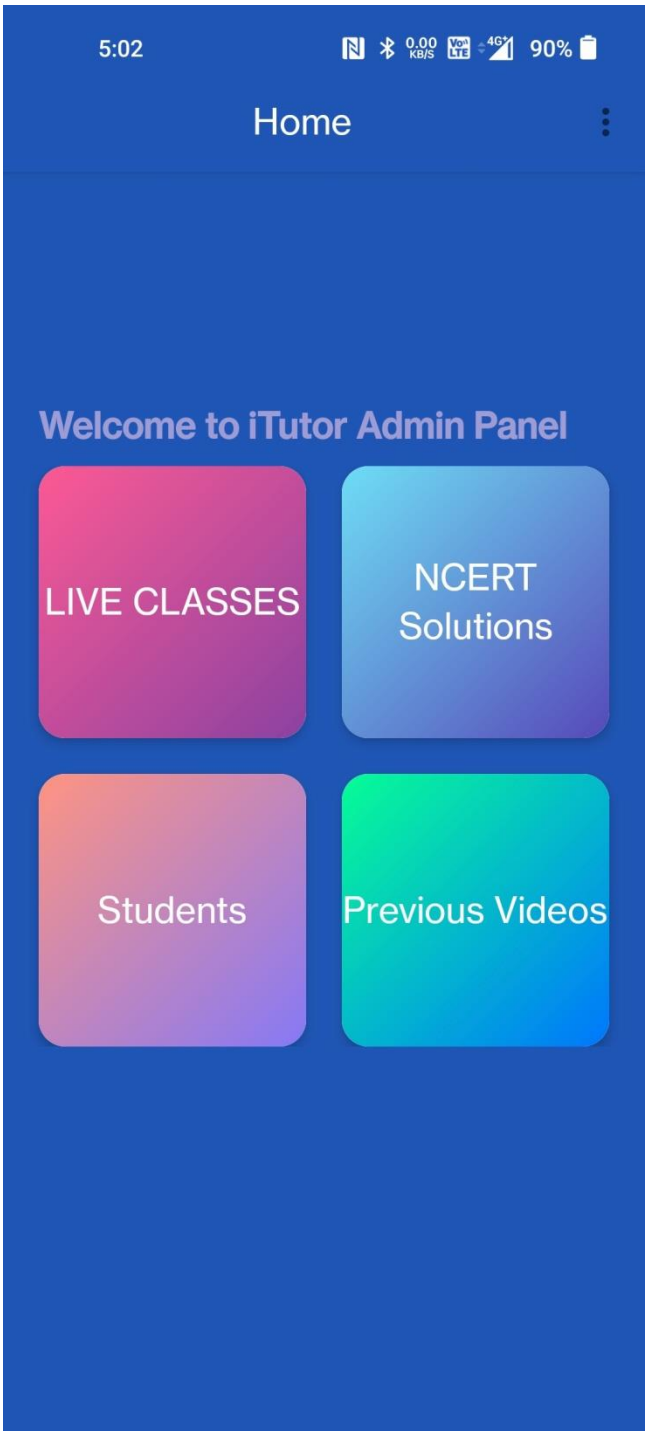


4.1.3 Admin Portal

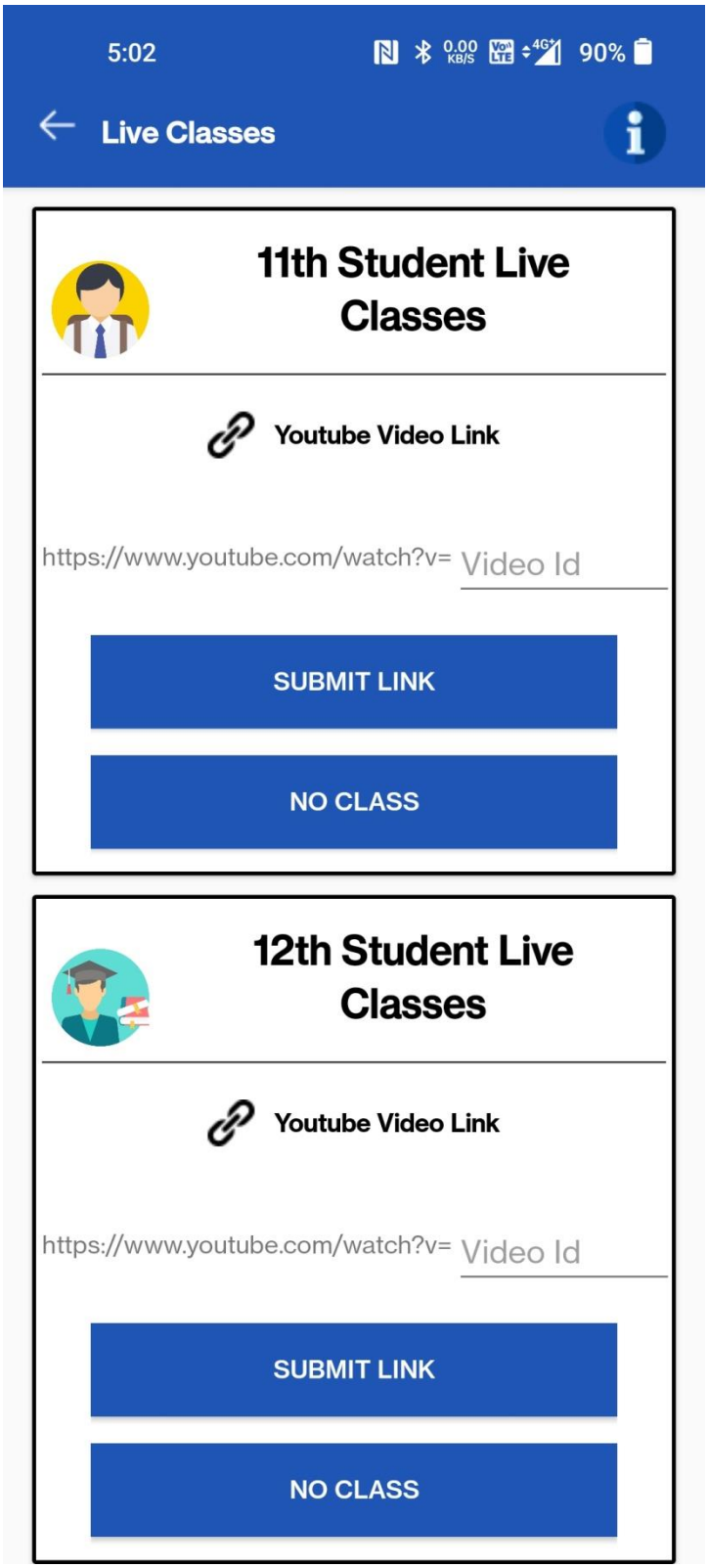
Login:



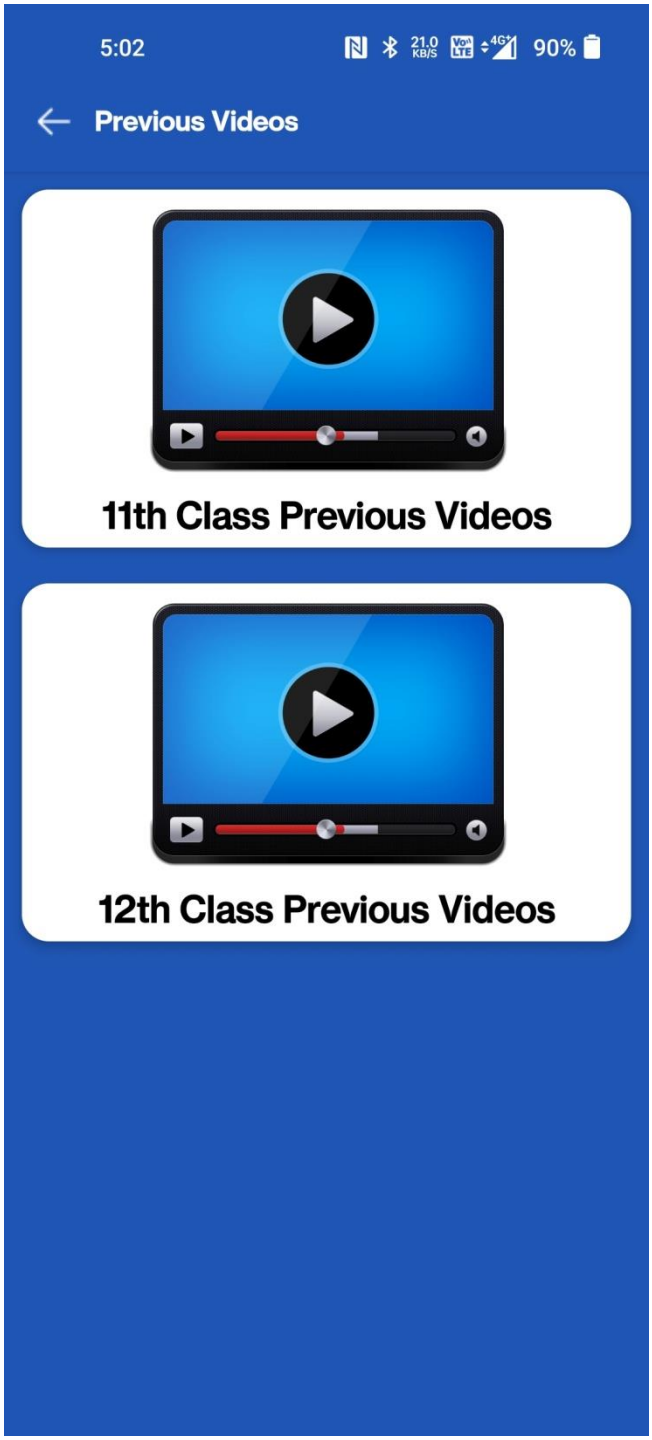
Homepage:


5:02
90%
Home
Welcome to iTutor Admin Panel
LIVE CLASSES
NCERT Solutions
Students
Previous Videos

Live Classes:

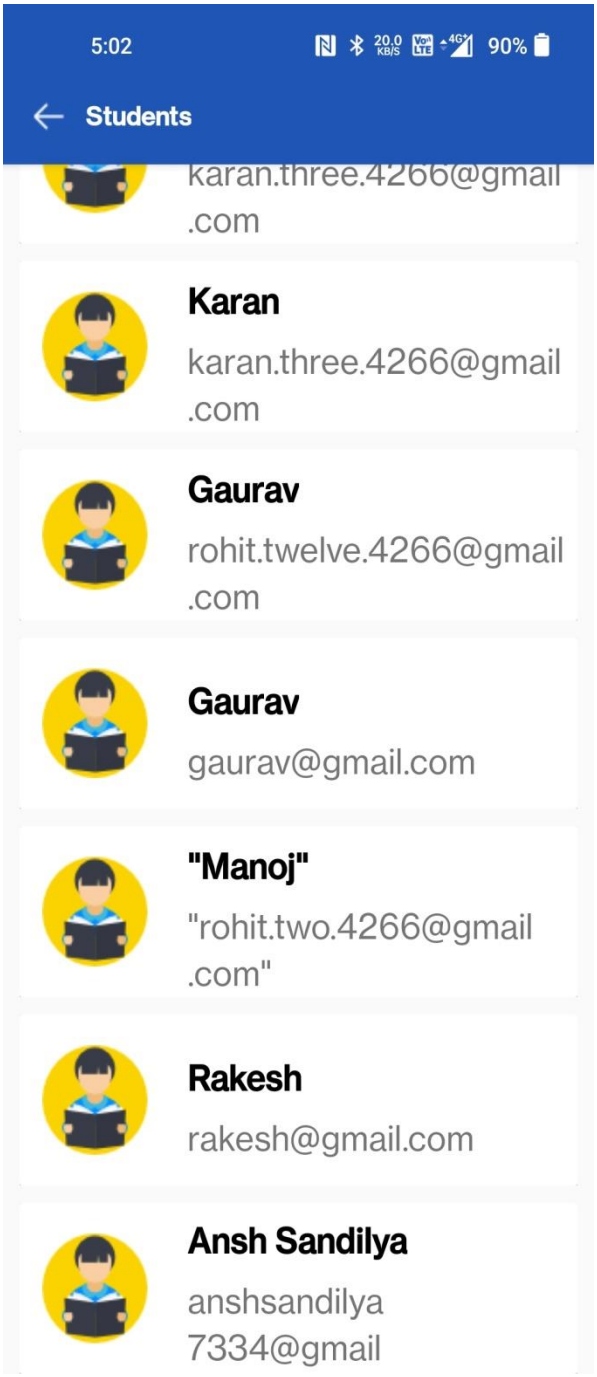


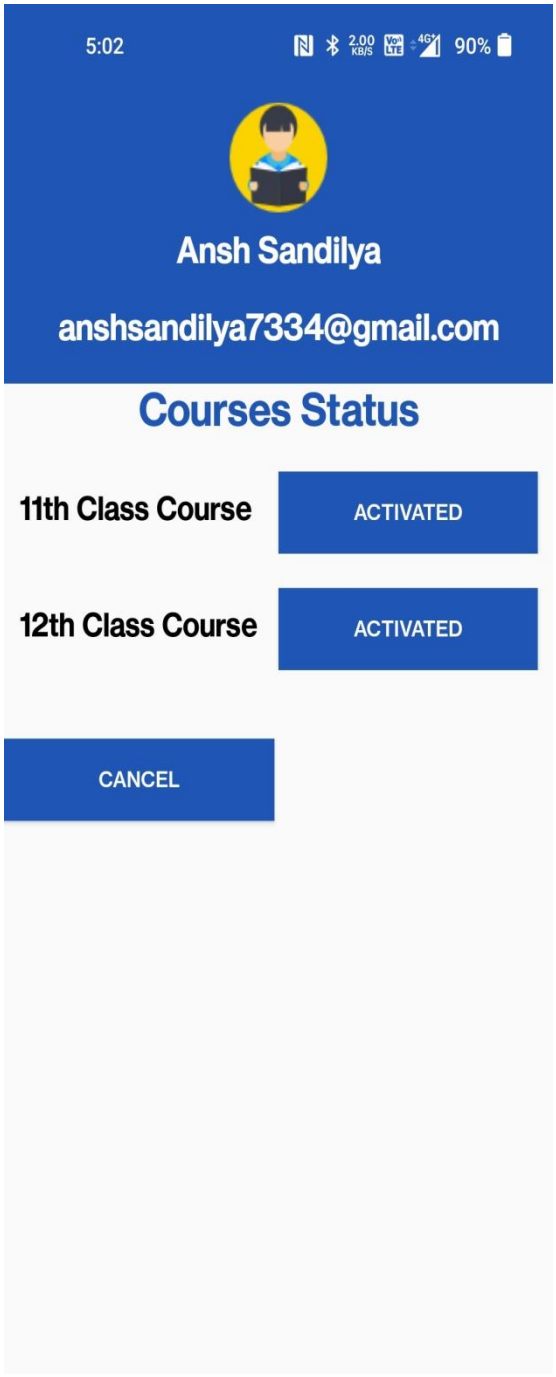
Previous Videos:



Students List:

We can activate and deactivate the courses for the students. We can remove the student by pressing cancel.





NCERT SOLUTIONS:

CHAPTER 5

5.1 Conclusion

This task assists the scientist with being familiar with the understudies' discernment towards 'e-Learning'. Greater part of the understudies are happy with e-advancing as an instrument for study. The greater part of the understudies are happy with educational experience. They are disappointed with the communication with their instructors and uncertainty clearing. They are additionally exceptionally contradicting to e-discovering that it causes medical issues and expanded mental pressure among understudies. They likewise incorporated that e-learning isn't test cordial and has a ton of network issues which obstruct the regular progression of learning. In any case, notwithstanding of this multitude of impediments, they likewise added that e-learning is extremely useful in submitting of tasks and they are simultaneously conservative and efficient. From the venture it is distinguished, that a large portion of the understudies are happy with e-learning.

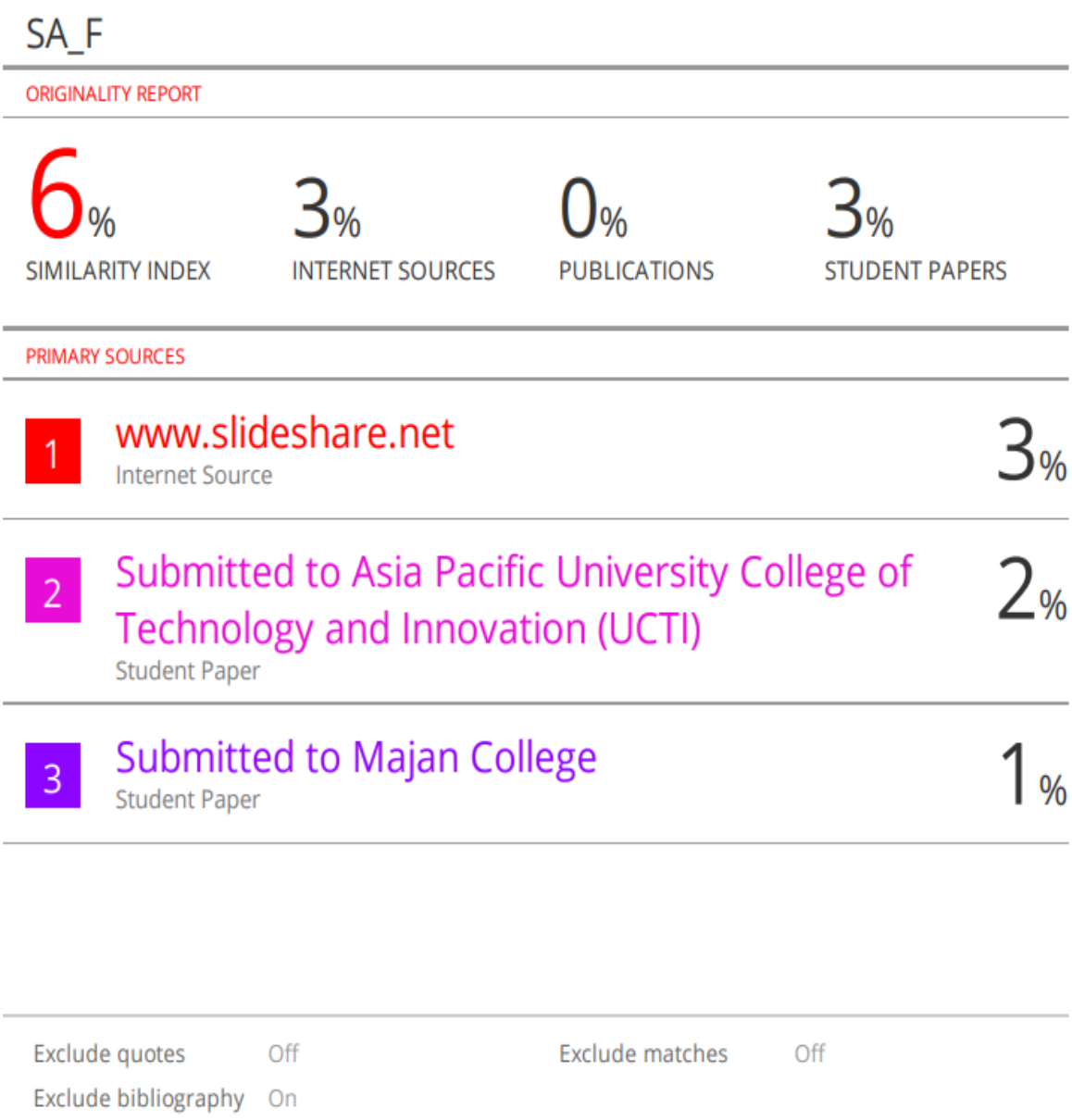
5.2 Future Scope

E-learning application isn't simply a difference in innovation. It is significant for a redefinition of how we as creature bunches send data, capacities, and values to additional young periods of workers and students. I will end this book by thinking for even a second to make a couple of expectations of how e-learning application and the capacities it serves will keep on creating.

REFERENCE

- Nichols, M. (2007). "E-learning in context"
- Kalantzis, Mary and Bill Cope. 2015. "Learning and New Media." Pp. 373-387 in The Sage Handbook of Learning, edited by D. Scott and E. Hargreaves.
- Thousand Oaks CA: Sage.
- Cope, Bill and Mary Kalantzis. 2015. "Assessment and Pedagogy in the Era of Machine-Mediated Leaming."
- Pp. 350-374 in Education as Social Construction: Contributions to Theory,Research, and Practice, edited by T. Dragonas, K. J. Gergen, and S. McNamee. Chagrin Falls OH: Worldshare Books.
- Cope, Bill and Mary Kalantzis. 2015. "Sources of Evidence-of-
- Learning: Learning and Assessment in the Era of Big Data." Open Review of Educational Research 2:194-217.
- Cope, Bill and Mary Kalantzis. 2015. "Interpreting Evidence-of-Learning:
- Educational Research in the Era of Big Data." Open Review of Educational Research 2:218-239.
- Cope, Bill and Mary Kalantzis. 2009. "Ubiquitous Learning: An Agenda for Educational Transformation." in Ubiquitous Learning, edited B. Cope and M.Kalantzis. Champaign IL: University of Illinois Press.
- Anca Popovici, Cosmina Mironov (2015) the study relating to Students Perception using e-Learning Technologies, Procedia-Social and Behavioural Sciences 180, 1514-1519

Plagiarism



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