GOVERNMENT GIRLS POLYTECHNIC COLLEGE, BILASPUR

Presentation on

"Smart College Android Applicaton"

SESSION - 2019-2022

Submitted to -
Mrs. Neha Agarwal
HOD of CSE Department

Presented by -
Suruchi Pandey
Sonam
Dhara Hirwani
Rifat Sultana

OUTLINE

- Introduction to project
- Objective and Features
- Technology Used
- Reasons for choosing Android
- Minimum Hardware & Software Requirement
- Module Description
- 0-Level Data flow diagram
- E-R Diagram
- Snapshots
- Future Scope
- Conclusion
- References

INTRODUCTION TO OUR PROJECT

- Our project name is "Smart Collage Android Application".
- Smart College Android Application system is an android-based application which is the new technical way to manage department related jobs. Smart College Android Application system is helpful for students as well as the colleges.
- In the existing system all the activities are done manually. It is very costly and time consuming. In our proposed system, students can view College Information and Notifications using Android phones.
- The design and implementation of the system is to provide service in institute and colleges. The system is to provide comprehensive student information and user interface is to replace the current paper records.

OBJECTIVE AND FEATURES

Objective-

- Provides the information of the latest Notifications and News related to college.
- Reduces time & cost.
- Easily find valid information.
- To create our own collage application.
- An app which will display our collage in play store.
- Online information of Institution /College.

Features -

- Secure
- Easy to use
- Reliable and accurate
- No need to go to any other places or visit any other sources

TECHNOLOGY USED

Front-End :- XML (Extensible Markup Language)

Extensible Markup Language (XML) is used to describe data. The XML standard is a flexible way to create information formats and electronically share structured data via the public Internet, as well as via corporate networks. Both XML and HTML contain markup symbols to describe page or file contents.

Activity_main.xml = UI (User Interface Design with XML)

TECHNOLOGY USED Cont.,

Back-End :- Java Language (For Programming)

A general purpose, high-level, object-oriented, cross-platform programming language developed by Sun Microsystems.
Java has platform independent feature so it is used for android development. ... Thus android developers to choose java as there is already a good base of java programmers are available that can help in creating, improving android applications plus with many libraries and tools of java make developers life easier.
- Backend Developed By Php & MysqliWordpress (Content Management System)(CMS Integration)

REASONS FOR CHOOSING ANDROID

- Android is open source
- All development tools for android is free
- Development is possible most OS platform where iOS development is possible only on MAC and all tools are not free.
- Most of the smart phone users in India are using Android since to reach maximum users we choose android as app development platform.
- Huge resource available

Hardware & Software Requirements
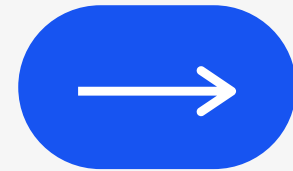
Minimum Hardware Requirement :-

- Processor: Intel i3 8th gen

- Memory(RAM): 8 GB at least

Minimum Software Requirement :-

- Operating System : Windows 7/Windows 8/Windows 10/further new versions
- Android Studio IDE 4.2.1
- SQLite Database Server

MODULE DESCRIPTION

User Module

Currently we have only one module i.e. end-user module. It consists of both teachers and students. They can access things like :

- Institute : From principle's desk, About Bilaspur, About Institution.
- Academic : Teaching Staff, Feedback Form, University Guidelines.
- Notice : Admin Notice Upload, Student Notice View, Syllabus Download
- Hostel : Hostel Registration Form, Hostel Information.
- Gallery
- Contact

0- Level Data Flow Diagram →

INSTITUTE

ACADEMIC

NOTICE

Smart College Android Application

HOSTEL

GALLERY

CONTACT
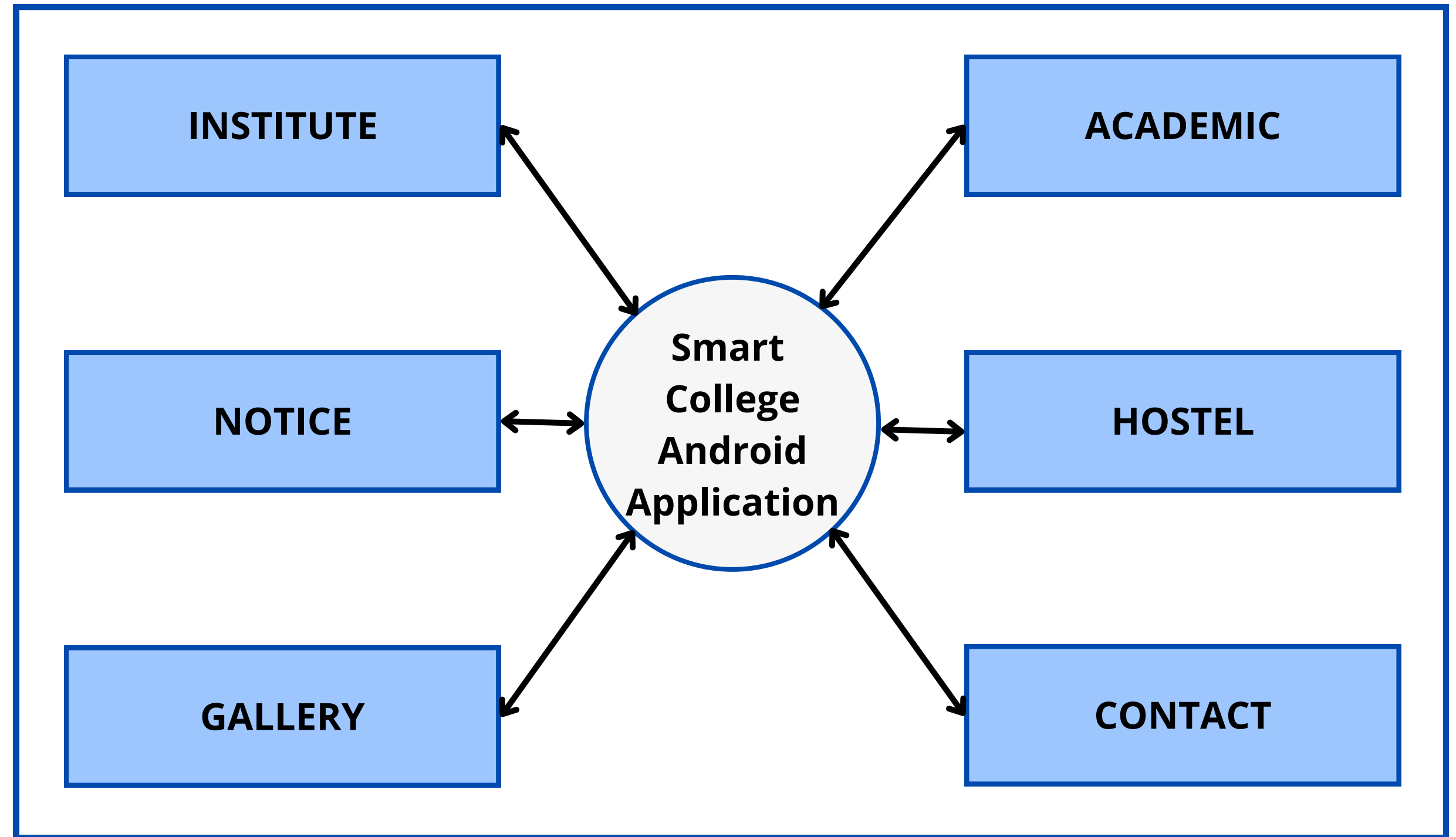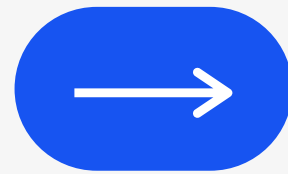
E-R DIAGRAM →
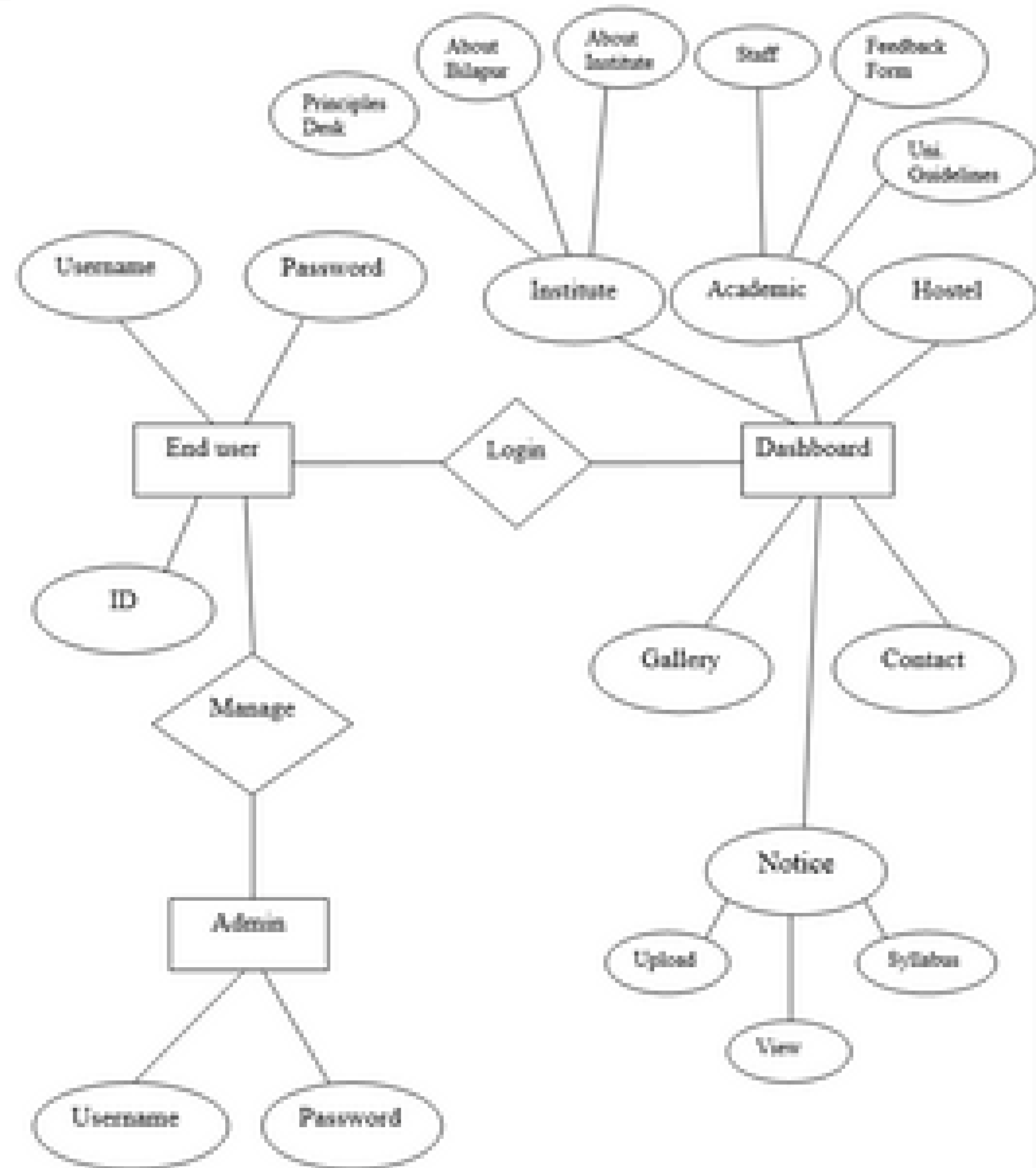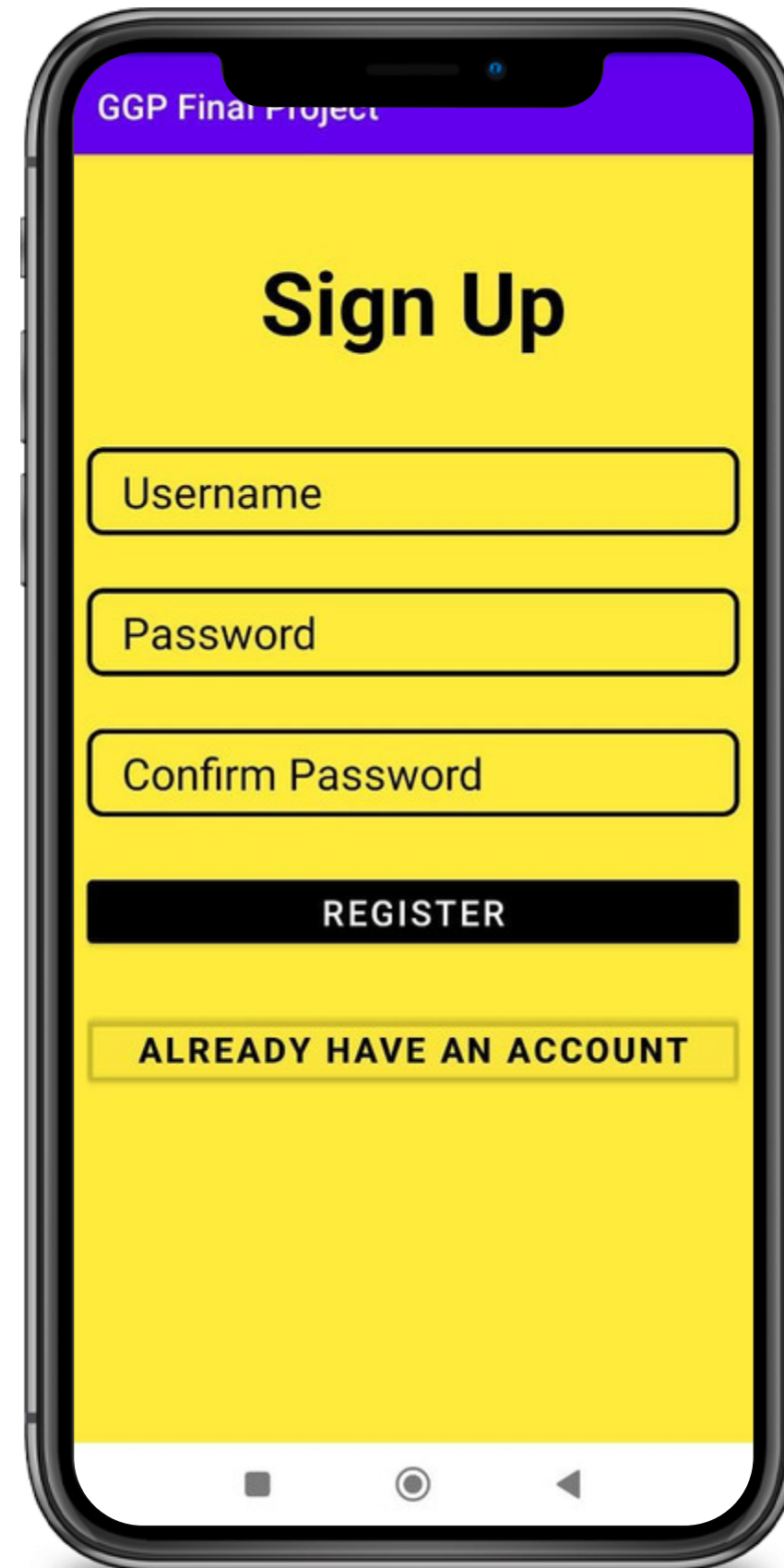
SNAPSHOTS

OVERVIEW OF
OUR PROJECT
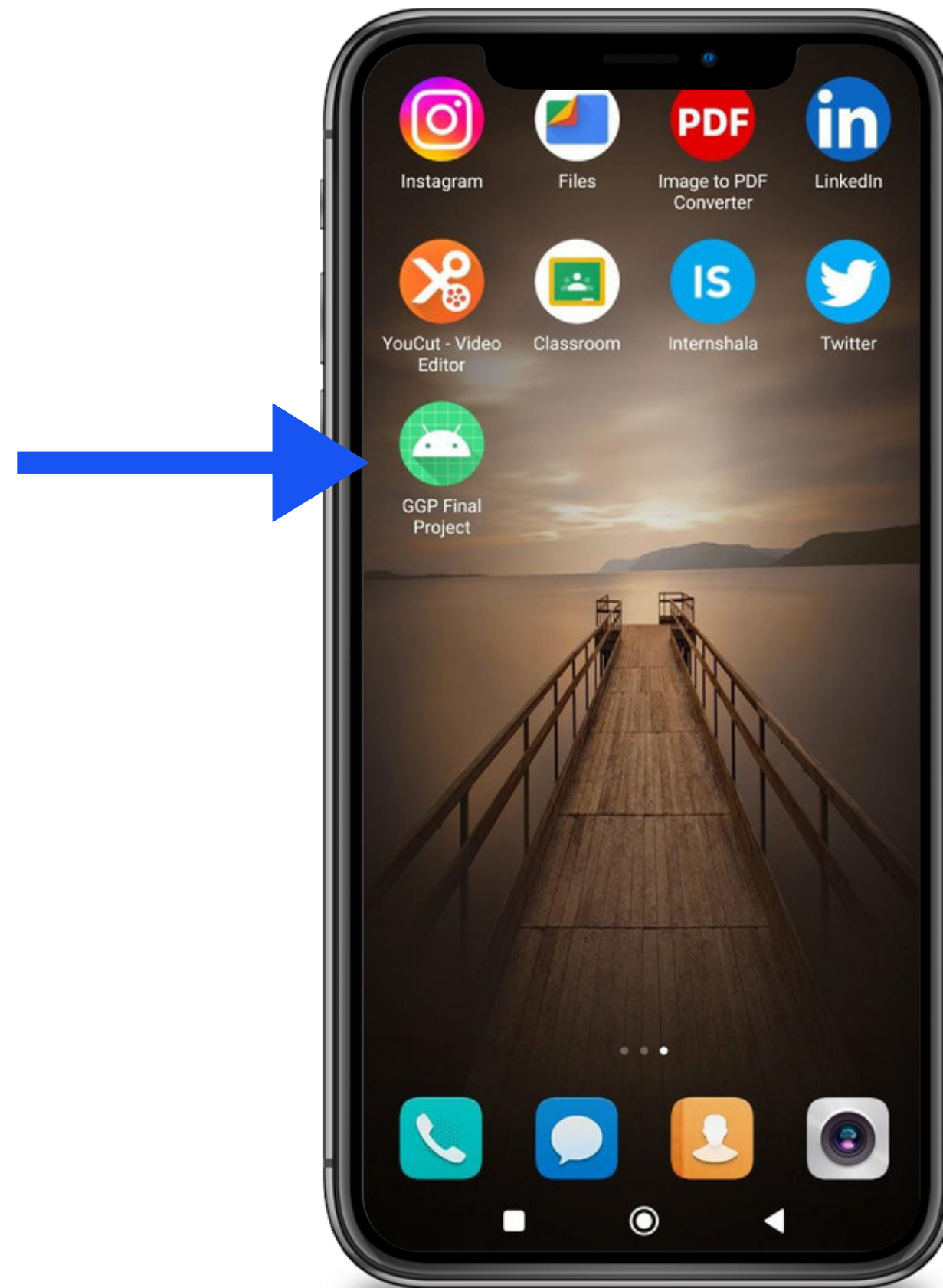
This is Login Module which will helps us to login to our collage application
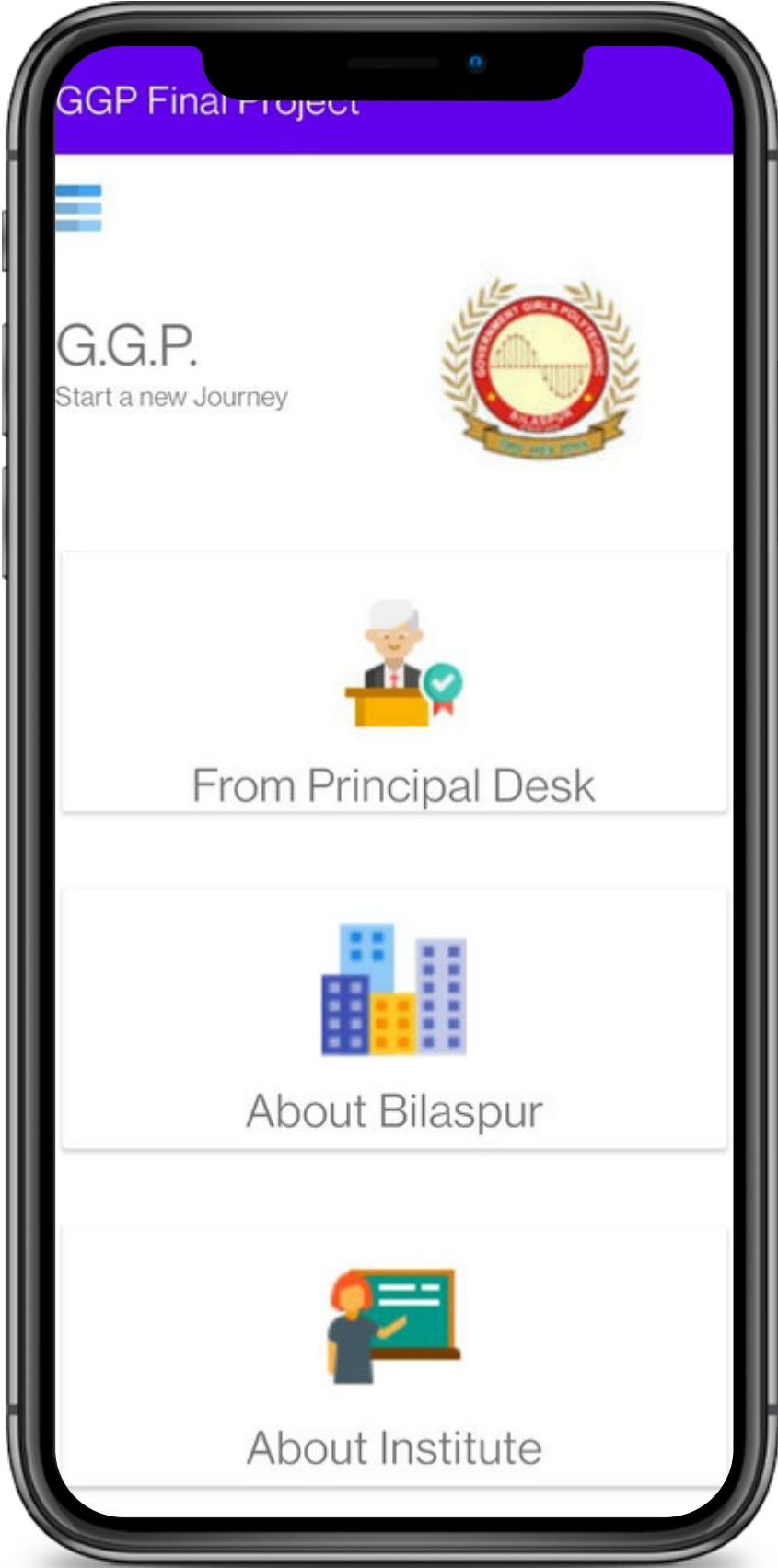**But if you don't have credentials first register yourself**

After Successful Registration you can easily Login with your Credentials and when login will be successful you will be redirect to the Dashboard Home Page of Govt. Girls College Android Application.
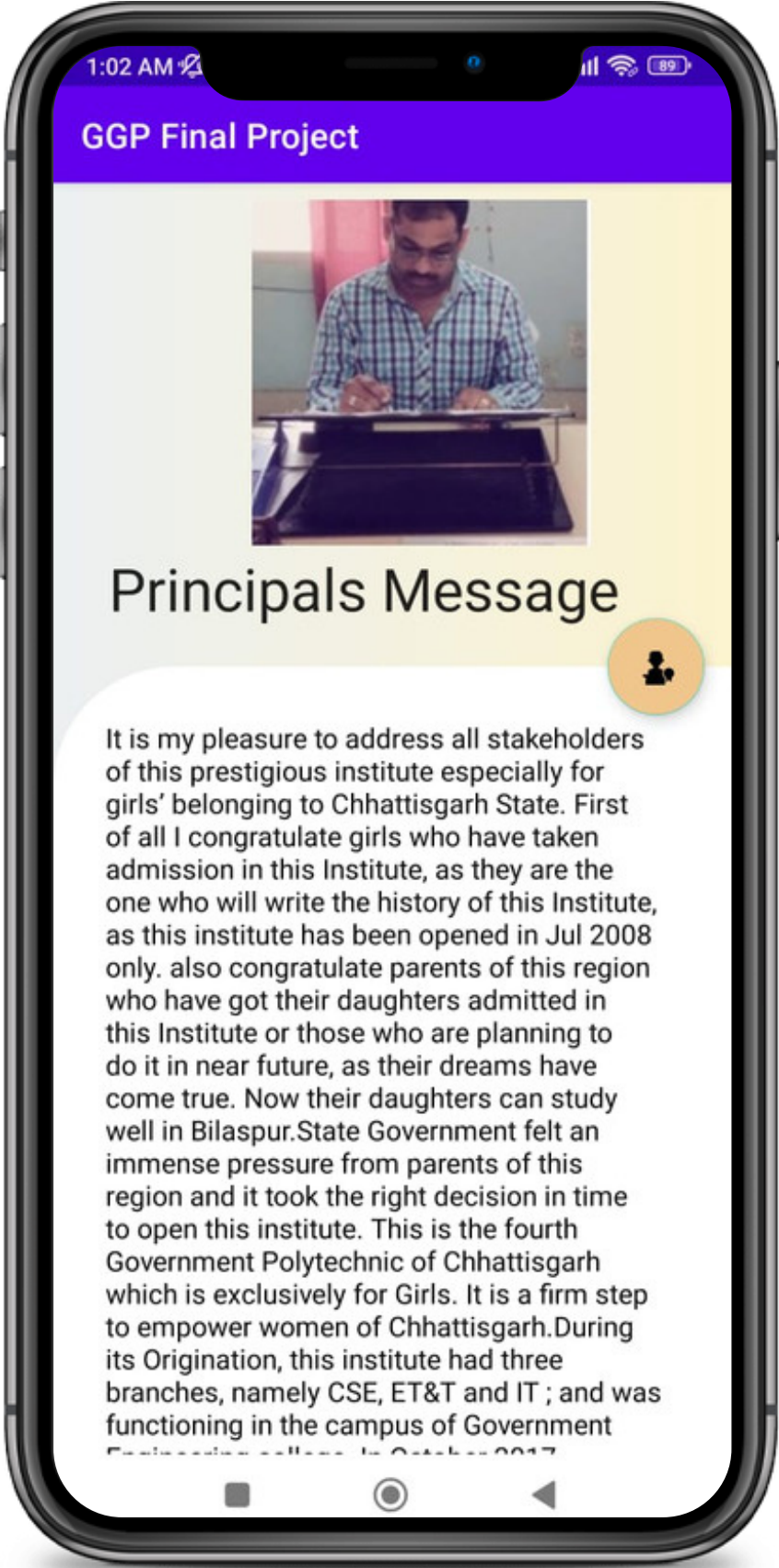
Dashboard UI
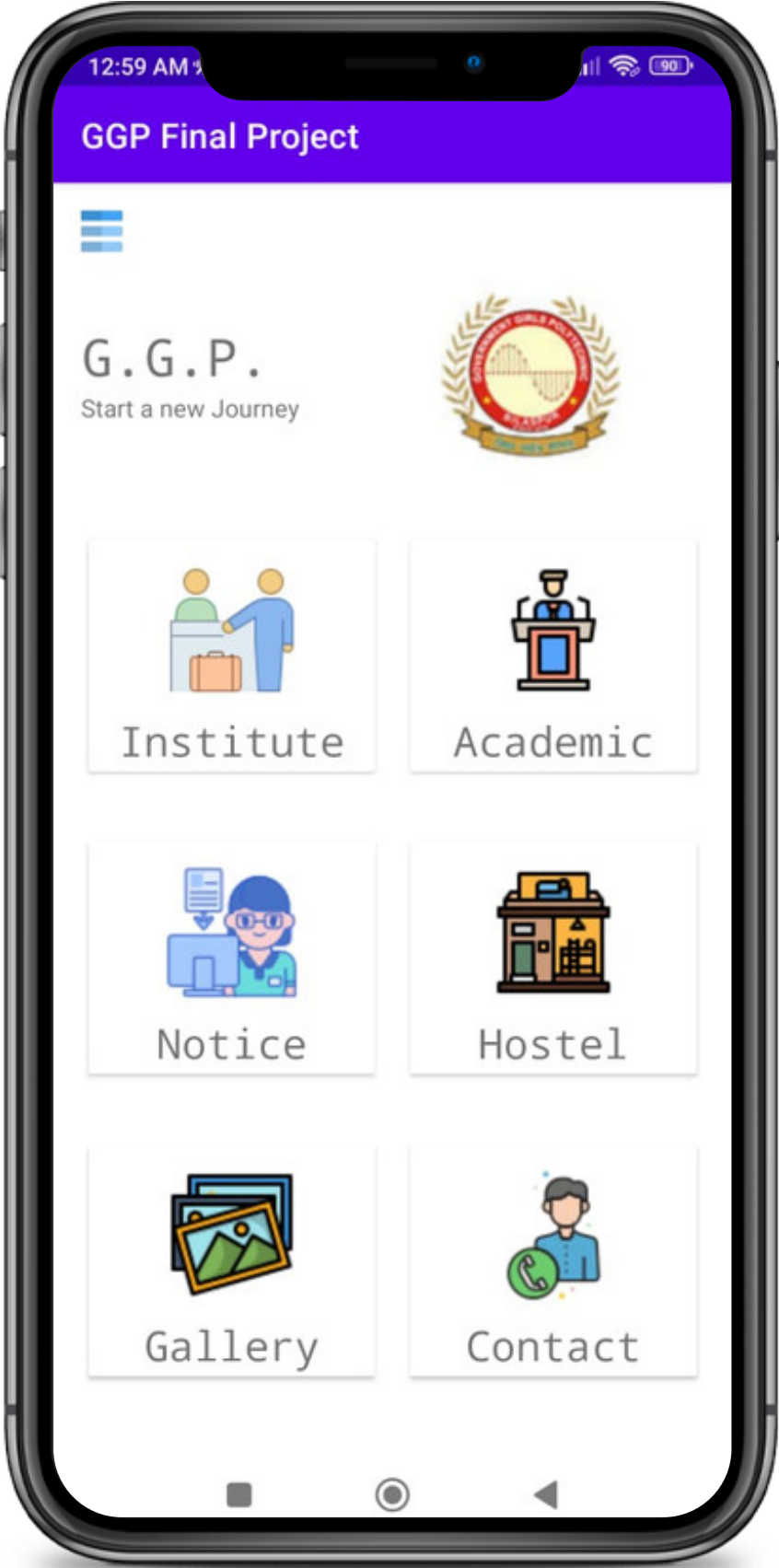
Institute

From Principal Desk

Principals Message

It is my pleasure to address all stakeholders of this prestigious institute especially for girls' belonging to Chhattisgarh State. First of all I congratulate girls who have taken admission in this Institute, as they are the one who will write the history of this Institute, as this institute has been opened in Jul 2008 only. also congratulate parents of this region who have got their daughters admitted in this Institute or those who are planning to do it in near future, as their dreams have come true. Now their daughters can study well in Bilaspur.State Government felt an immense pressure from parents of this region and it took the right decision in time to open this institute. This is the fourth Government Polytechnic of Chhattisgarh which is exclusively for Girls. It is a firm step to empower women of Chhattisgarh.During its Origination, this institute had three branches, namely CSE, ET&T and IT ; and was functioning in the campus of Government Engineering college. In October 2017
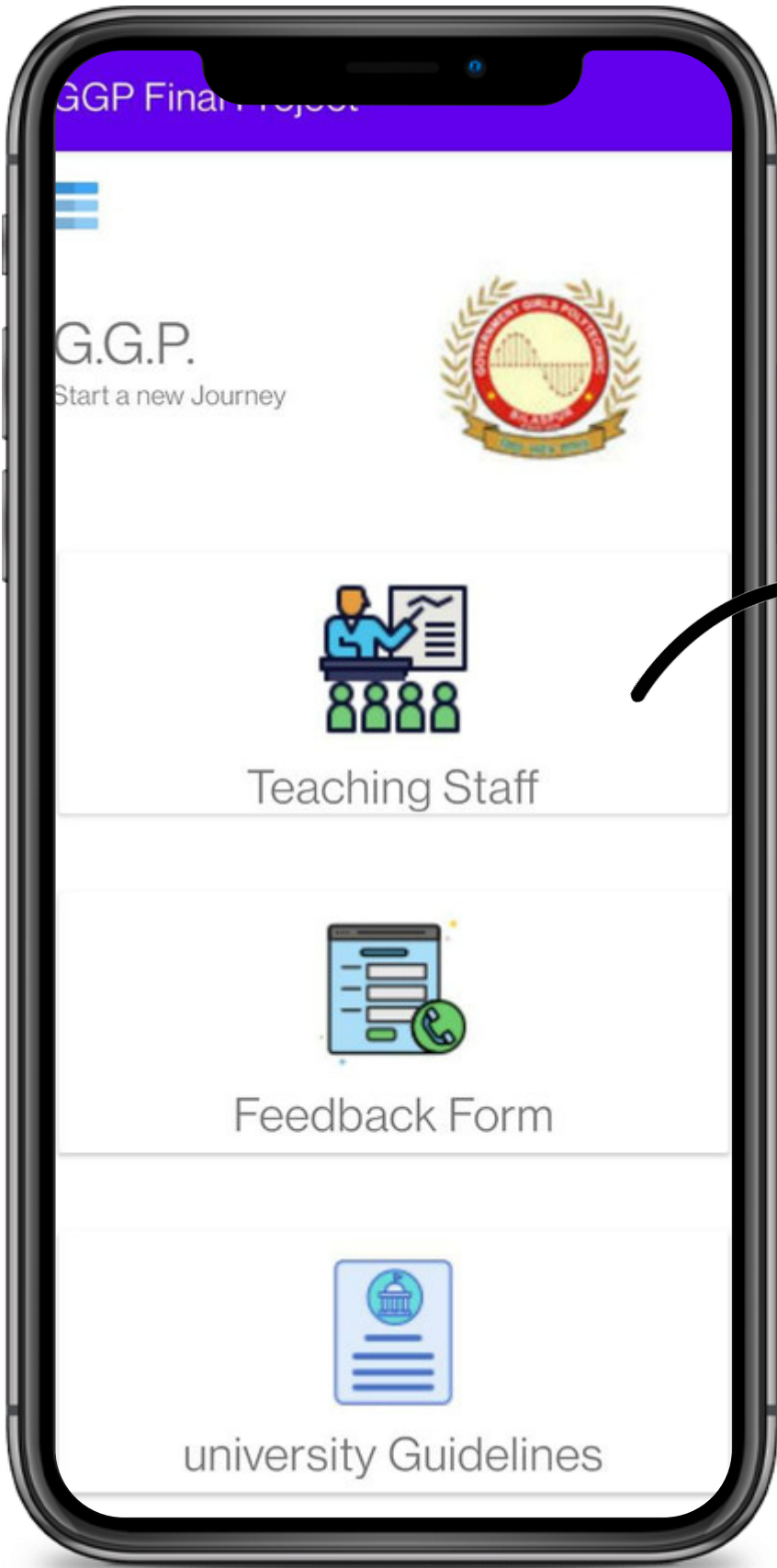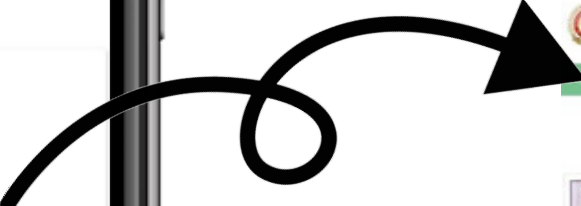
About Bilaspur

About Bilaspur

Bilaspur is situated in Chhattisgarh state, this new state was constituted in the year 2008. Some 400 years back a village was established and hebitated on the bank of river Arpa by a fisher women named "Bilasa",So the village was called Bilaspur on her name. This village developed gradually into district and caught fame in Bilaspur district is famous for many fine qualities of rice so it is also called as "Dhan Ka Katora". Rice is exported from this district since long time.Bilaspur district is located in eastern part of Chhatisgarh. This district is surrounded by Shahdol district of Madhya Pradesh State, Koriya, Raipur , Korba and Janjgir districts of ChhattisgarhState . The total area of Bilaspur district is 6377 Square Kilometer. It is hilly in north and plane in south. Average rain fall in this district is 1220
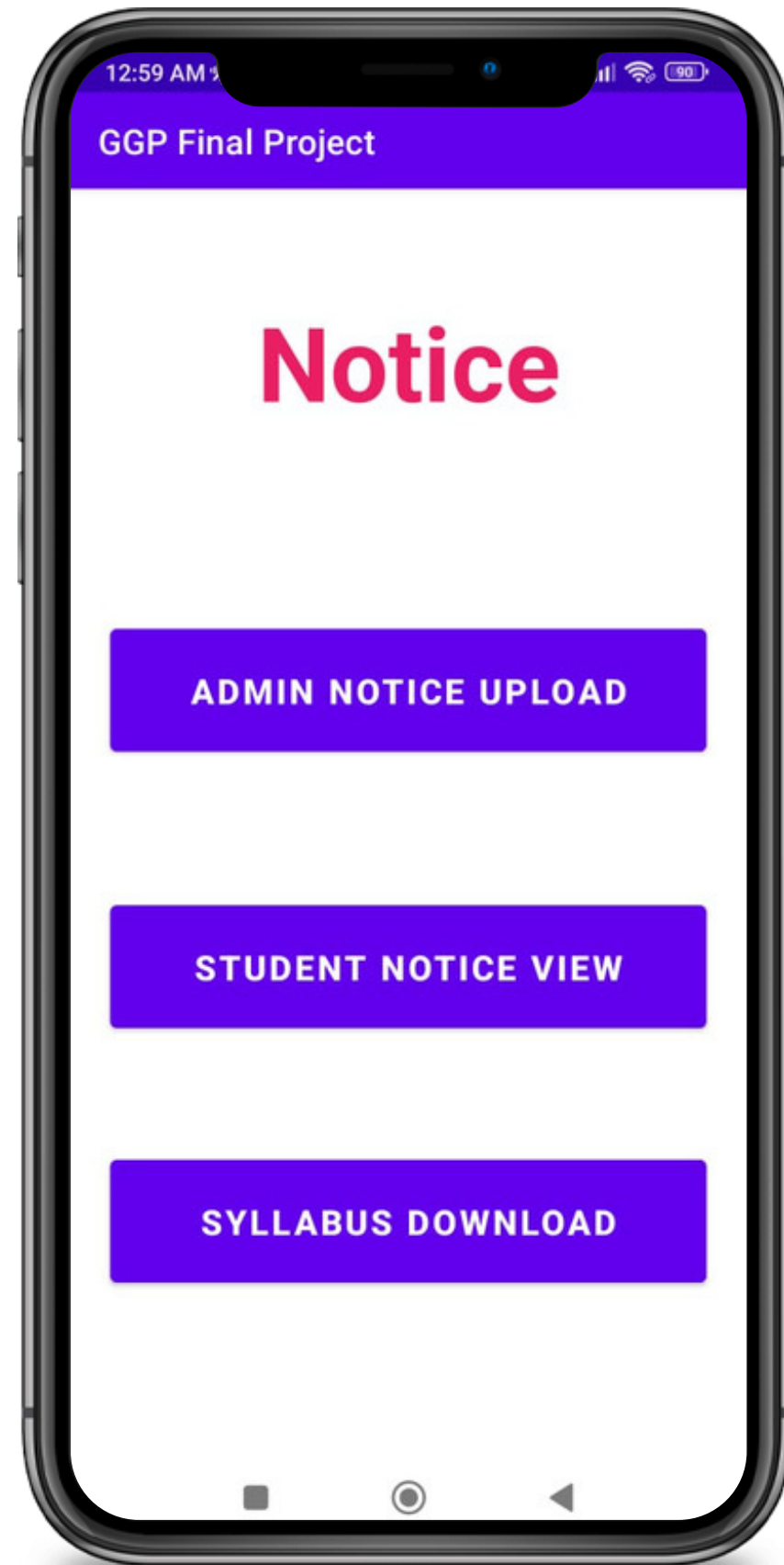
About Institution

Academic

Notice

Notice Upload

Notice view

Syllbaus

Notice Title: My trial

Notice Details: this is to inform all students about independence day ceremony

Post By Faculty: Deepak Kumar Sahu

GGP Final Project

Diploma Syllbaus CSE

1ST SEMESTER SYLLABUS

2ND SEMESTER SYLLABUS

3RD SEMESTER SYLLABUS

4TH SEMESTER SYLLABUS

5TH SEMESTER SYLLABUS
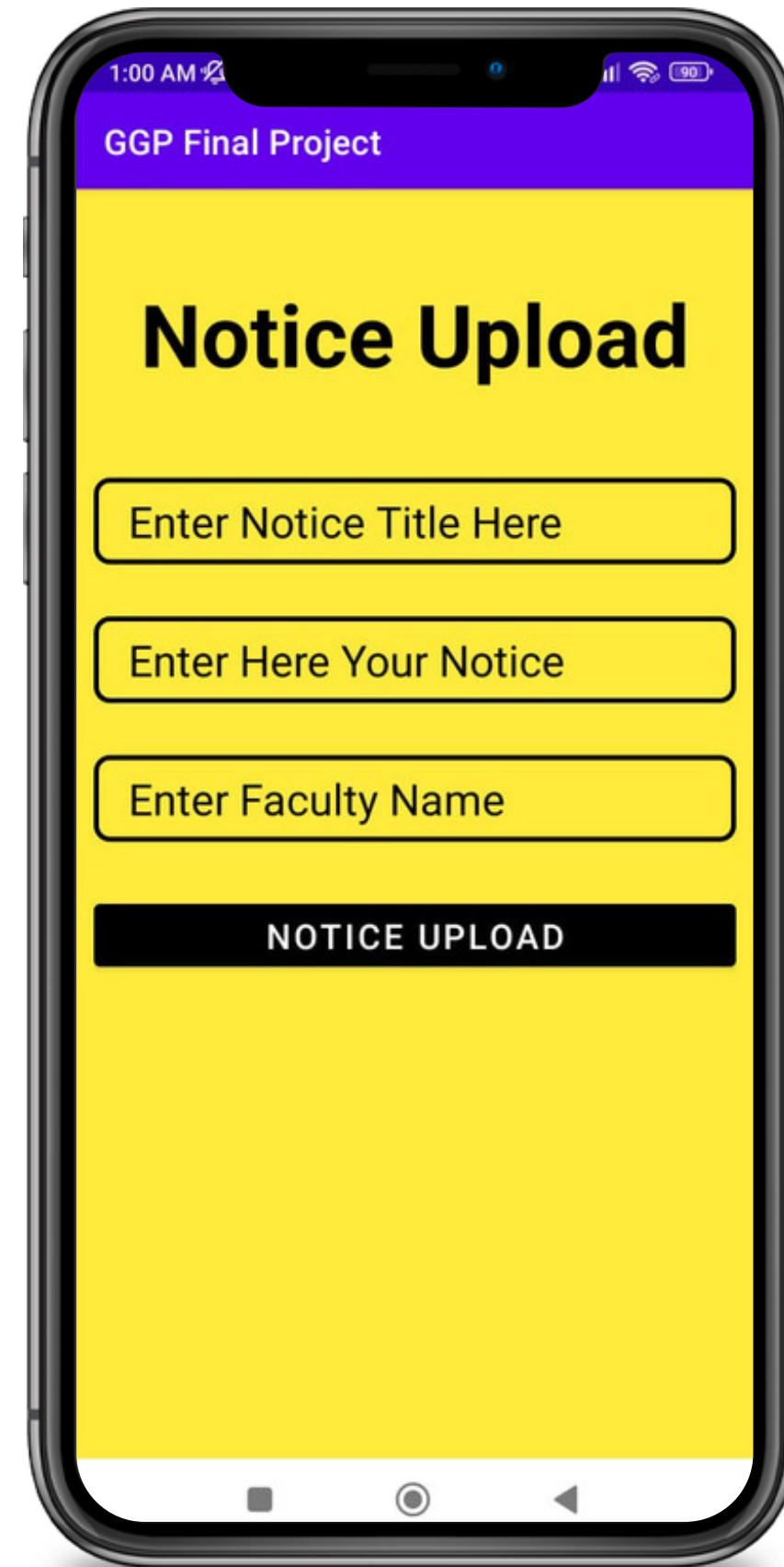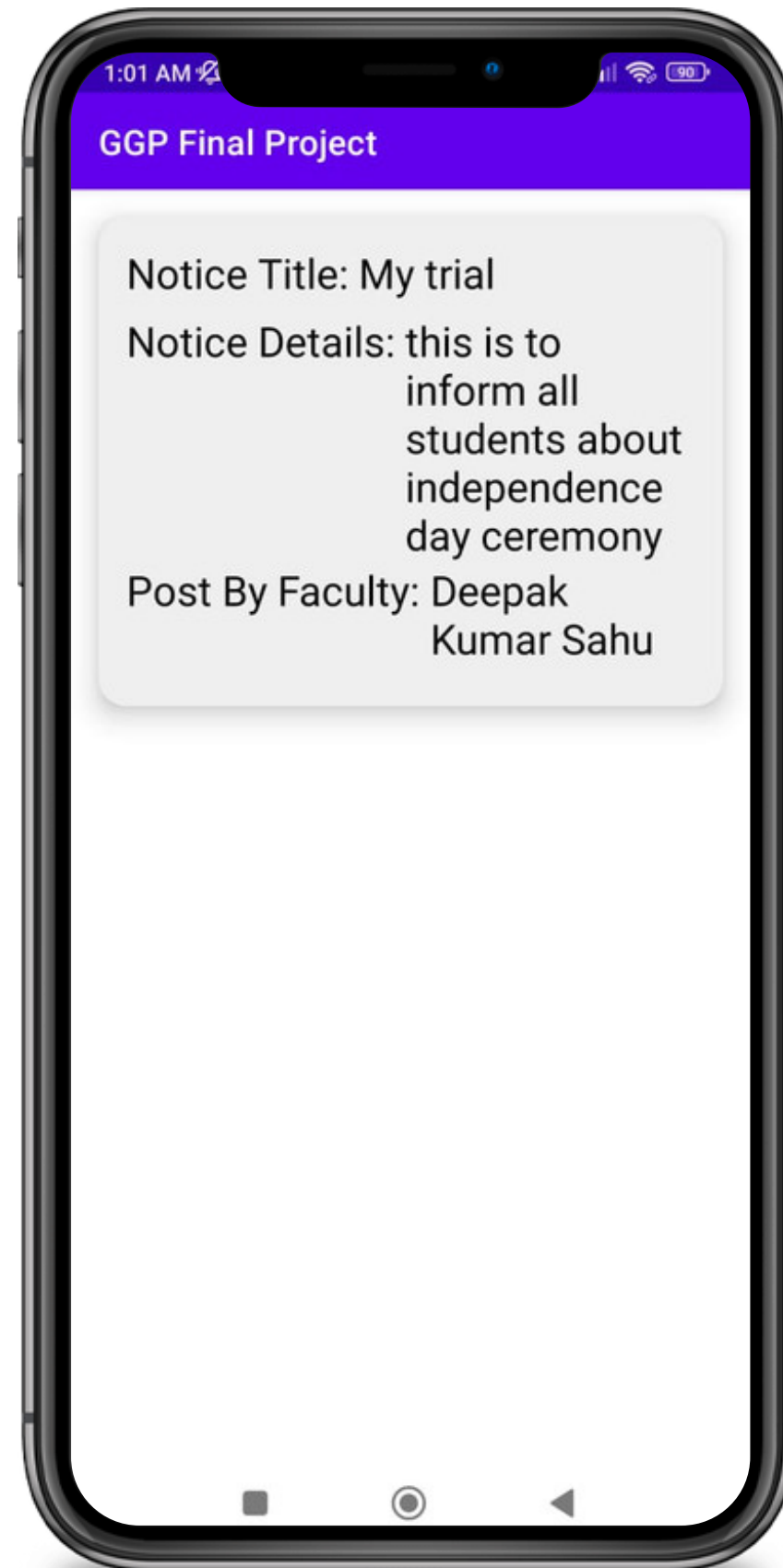
6TH SEMESTER SYLLABUS
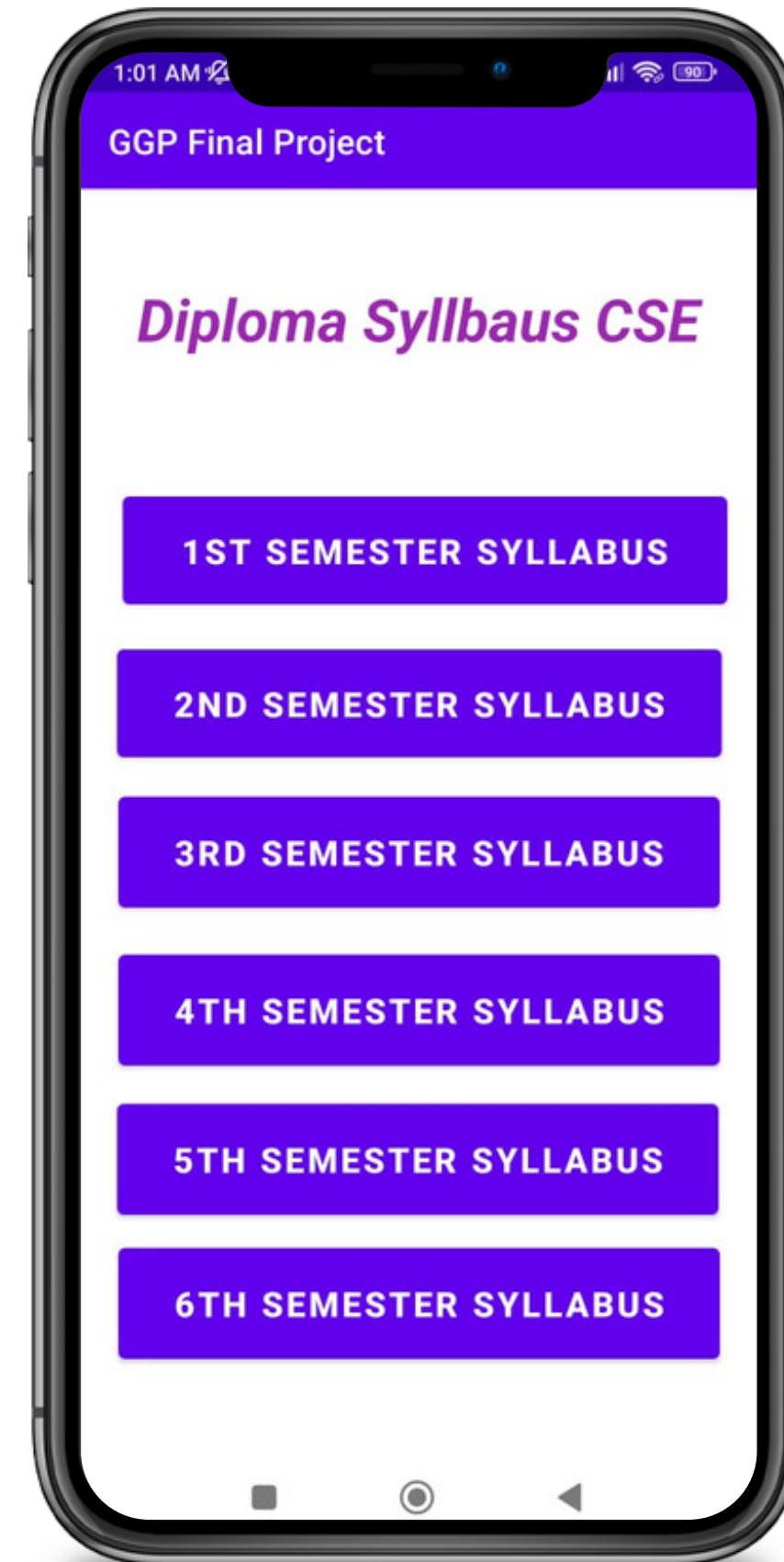
Collage Gallery

Contact

FUTURE SCOPE

Semester-wise creation of specific interface for students

Ability to chat with teachers in their respective subject group

Notes being provided by teachers on the same plaform

CT results being displayed for each class

Option of "Forget password"

Instead of just CSE branch it will be useful for all the branches in future.

Conclusion

This android-based project will do the task through the application. It will decrease the paperwork. The application will greatly simplify and speed up the management process of our college. The faculty or the student will perform all the task very easily and in more convenient way.
The application offers reliability, security, time savings and easy control. It can be used as a base for creating and enhancing online college environment.
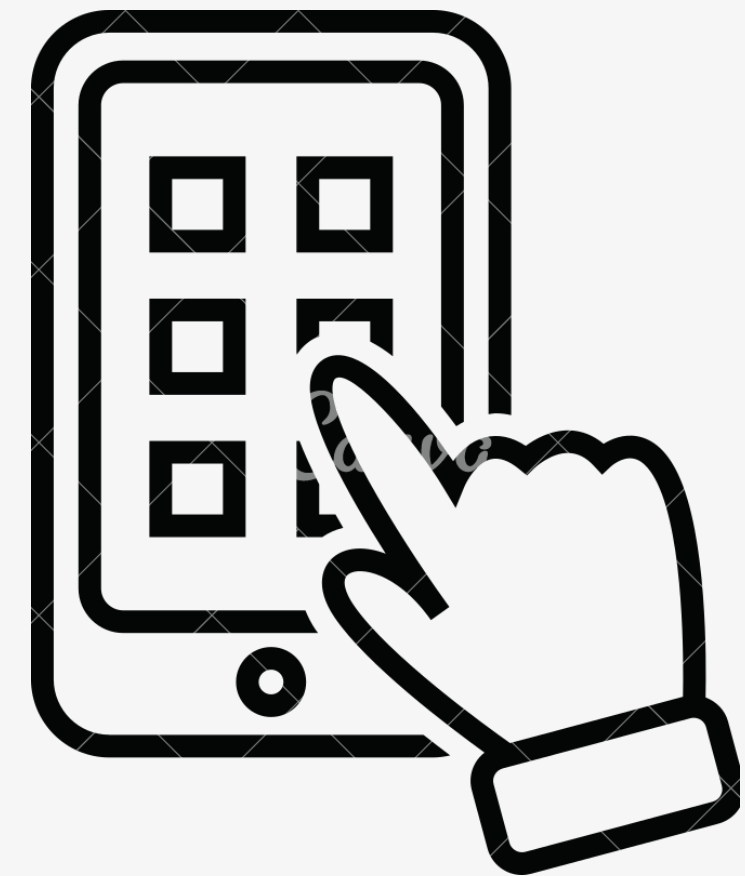
REFERENCE

- Java: The Complete Reference, Seventh Edition (Old Edition) by by Herbert Schildt
- Mobile Application Development (Paperback, Dr. Madhu Goel, Chetna Sharma, ER. SHOBHIT)

WEBSITE REFERRED -

- www.w3schools.com
- www.geeksforgeeks.org/
- www.javatpoint.com

Thank you!