MINI PROJECT II

(2020-2021)

# ALUMNI CONNECT

(Android Application)

SYNOPSIS

Department of computer Engineering & Applications

**Institute of Engineering & Technology**

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# Acknowledgment

It gives us a great sense of pleasure to present the synopsis of the B.Tech Mini Project (**ALUMNI CONNECT)** undertaken during B.Tech IIIrd Year. This project in itself is going to be an acknowledgment to the inspiration, drive and technical assistance will be contributed to it by many individuals.

We owe special debt of gratitude to **Mr. Neeraj Khanna**, Assistant Professor Department of CEA, for providing us with an encouraging platform to develop this project, which thus will help us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & will also teach us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all tfaculty members of the department for their kind guidance and co-operation.

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## The Problem Statement:

Alumni is a term used for former person specifically a student, of a particular school, college or University. Alumni serve many valuable roles, such as helping to build and grow an institution’s brand through word-of-mouth marketing. For instance, positive posts on social media can create buzz and increase application rates. Colleges also rely on alumni to provide mentoring, internships, and career opportunities to students.

Among all the above mentioned roles, we are focusing on the job/internship or in simple words any career related opportunities that benefits the students. Alumni are resources that can provide meaningful and mutually beneficial relationships over time.

## Reason for Selecting this Topic:

During one of a Meet-up with our Alumni, we started talking about the life in corporate. He told us about the how he started off as a beginner and is now doing great in his field. He told us the things that he wished he could knew earlier. We realized that there are a lot of myths going around about the corporate life. Myths like – “We don’t have to work hard after securing a good job” or “Everything is taught to us during the 4 years of college”. Corporate Life is not about studies, it is so much more.

Apart from this, we ended up discussing about how IIT-ians (Students of IIT) do great in every sector and secure a very good job. He told us that in IIT’s students keep in touch with the alumni, which not only help them to learn about corporate sector but also helps them to score a good internship or training program in a valuable organization.

Through this meet-up we realized the importance of Alumni, so we decided to develop an app where the students can connect with thir alumni.

## Objectives of the Project:

## The main objective of this project is to improve communication between Alumni and Students. With this project, we aim to create a meaningful relationship with our alumni.

## As told earlier, alumni are resources that can provide meaningful and mutually beneficial relationships over time. We aim to provide students with opportunities through our alumni in every sector. A valuable guidance, a mirror to the corporate world, we want the students to know it all before they enter the corporate world. We want the students to know, what our alumni would have wanted to know when they were that young.

## During the last Semester, we have worked on the project “E-bridge GLAU”, that acted as a bridge between students and the faculty. We aim to continue out project and turn it to a bridge between Alumni and Students.

## Feasibility Study:

## Considering the current situation, this application will welcome many opportunities which will be beneficial for the students and their career. It can be used in the long run. It will act as a bridge between Alumni and Students. Not only it will help the students by providing them with valuable guidance and opportunities but also, it will help them prepare for the corporate world. It will help them to understand the work ethics that need to be followed in an organization. The University will have a personal application for communication. Our main focus is to connect the students to their Alumni.

The application will be extremely user-friendly with well-designed screens and limited inputs.

## Future Scope:

## **This app can be the official Alumni Connect application for our own University as we will constantly update it with new features in the future which will make the application more user friendly. This can be used as the main University Alumni Connect app. We are proposing a new form of technology to get communication between Alumni and Student**.

## **Also, through this application, the students will benefit in so many different ways, like**- facing interviews, Internship opportunities, training opportunities, myths about corporate life, and many more.

## 6. Methodology:

## 6.1 Project Summary:

## The Alumni Connect application is an android application which mainly aims to improve communication between Alumni and students. This application actually consists of two modules, those are the Admin module and Student module, where they can access and operate the application from their respective ends. We focused on both sides which will help both the Alumni and the students.

## In general, the Admin will maintain the entire administration like Authorization, Authentication, permissions, History tracking, and troubleshooting, etc. The Admin(Alumni) can share the job opportunities or any important notices which they would want to share with the students. Also, the Admin can share e-books, Question-Answer PDF, Interview Questions, etc. to the students through our Admin panel. Admin Panel also include basic activities like adding new Alumni, updating an existing Alumni and deleting an existing Alumni. Alumni can also share their experience, be it interview experience, work experience or any other real life experience which may benefit the students in one way or the other.

## The application is made extremely user friendly.

## The Student will access all information like notices, PDFs, e-books, etc. and maintain a good relationship with the alumni. They can send or receive any kind of information like Clarification, Queries and guidance by connecting with the alumni. The student can ask for Doubts in Alumni section. Students can get the latest information regarding career opportunities and career guidance. Whenever in doubt, they can consult to their alumni regarding that issue. Also, they get to know their Experience and avoid doing the mistakes their alumni did. They can get a closer look at the corporate world. The Alumni would act as a Mirror to the corporate world.

## In this Alumni Connect Android project, we are proposing a new form of technology to get communication between Alumni and Students.

## 6.2 Hardware Interface:

## An Android Phone

## Internet Connection

## 1GB RAM Required

## 6.3 Constraints and Limitations:

## The Phone must be connected with Internet.

## This app can only be installed on android devices.

## Tools Required:

* 1. **Hardware Requirements:**
* System: Intel i3 3rd generation.
* Hard Disk: 40 GB
* Ram: 1 GB
  1. **Software Requirements :**
* Operating System: Windows 7 or above
* Coding Language: JAVA
* Tool Kit: Android SDK
* IDE: Android Studio
* Adobe Illustrator
* Figma (UI/UX Design)

## Testing Technologies:

## Monkey Talk

## Ranorex

## Selenium

## Jmeter

## jMock

## What Contribution would the Project make and Where?

## We are developing this application, mainly, for GLA University. It will make the Education Platform better by bridging the gap between student and Alumni. Moreover, it will help the students in many different **ways, like** - facing interviews, Internship opportunities, training opportunities, myths about corporate life, and many more. The students get to know their alumni’s Experiences and avoid doing the mistakes their alumni did. They can get a closer look at the corporate world. The Alumni would act as a Mirror to the corporate world. This application will welcome many opportunities which will be beneficial for the students and their career. It can be used in the long run.

## Scope and extension into major project:

## Currently, we are focusing on making an application with basic features where students can clear their queries and communicate with the alumni, and the Alumni can share notices, job opportunities, experiences etc. with the students via this app. The app will be constantly updated and new features will be added according to the need. This app can turn into a private Alumni Connect app for GLA students where they can connect with their alumni.

## As said earlier, this application will welcome many opportunities which will be beneficial for the students and their career.

## Conclusion:

## Alumni Connect will welcome many opportunities which will be beneficial for the students and their career. Regular Updates will make this app more efficient and user friendly. The communication gap between the students and the Alumni will be bridged which will benefit the students by providing them with real life experiences and guidance which will help them in long run.

## Bibliography:

* <https://www.signalvine.com/alumni/why-alumni-are-important-for-higher-ed-institutions#:~:text=Alumni%20serve%20many%20valuable%20roles,and%20career%20opportunities%20to%20students>.
* <https://www.themuse.com/advice/7-alumni-benefits-you-should-be-taking-advantage-of>

## Signature of Project Guide: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_