Feasibilty Study report

Software Engineering Laboratory



Notesify

A Student’s Assistant in Learning

Rajnish

17103069

Rubal Khehra

17103074

Rupinderjit Kaur

17103075

Dr. BR Ambedkar National Institute of Technology Jalandhar

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# Document Revision History

# Group Members Details

## Rupinderjit Kaur

## Rubal Khehra

## Rajnish

# Feasibility Study Report Outline

## Title

The title of the project is the name of our application, i.e., ***Notesify***. The title is so decided as our project focuses on **Notes** and will also **Notify** students about any new study materials posted.

## Abstract

Our project consists of an Android Application which aims to provide a common platform for current students, their seniors, alumni and teachers to interact with each other. Here, older students can post the study materials they used to help other students such as any kind of website links, ppts, books, video lecture links, digital copies of handwritten notes, etc. Also, the app will provide a chatting mechanism where any student can put up any query, about which his/her seniors will be notified and anyone can volunteer to help the student. Teachers or any alumni working or doing research in any field can post about their work. Alumni can post about their preparations for any kind of job/post for which they qualified to guide other students. The app will also a provide a feature for students belonging to same class interact with each other effectively. There will be a polling mechanism through which all the students of a class can vote to take a decision that has to be done collectively by a class as whole. The Class Representative will be able to see the results of the poll according to which decision can be taken effectively.

## Keywords

* Notes
* Editorial
* Tutorial
* Books
* PDFs
* Links
* Queries
* Poll
* Mentor
* Field of Work
* Java
* Android Studio
* MySQL
* Database

## 

## Description of the Project

## Previous Works

In our college, we are provided a google drive link created by previous batches which contains pdfs, ppts and notes. These are seldom updated and moreover the contents are only limited to our course subjects’ syllabus. Also, this link is not interactive. We cannot put up any queries there. Moreover, we are going to build an android application which the students will prefer more than a link. Plus, the app will provide additional features such as polling and chatting mechanism.

## Project Scope and Contributions

Main Stakeholders of this project are:

* Current College Students
* College Alumni
* Teaching Faculty

Main use cases associated with our project:

1. A Student can-
   * View already posted study material by his Seniors/Alumni/Teachers.
   * Post any relevant study material for the use of his juniors.
   * Search about the people working in the fields of his interest and take guidance.
   * Directly ask Queries from his/her seniors/alumni/teachers through a chat box.
   * Vote for a decision to be taken by his/her class.
   * Volunteer to assist his/her juniors by answering their queries.
2. An Alumni/Teacher can-
   * Share about his/her work experience to help other aspiring students interested in the same field of work.
   * Volunteer to assist students from his/her college by answering their queries.
3. A Class Representative can-
   * Post a Poll in his/her class group to make a decision.
   * See the results of the poll in the form of a Pie Chart having three sections- Agree, Disagree, Not Responded.

Initially, our application’s scope will be limited to only the students of our own college then gradually we will try to take it globally. It will contribute a great deal in the life of a college student by easing his/her way of finding any relevant study material.

## Technical Feasibility

The technologies to be used in this project are-

* Java Programming Language
* Android Studio
* MySQL Database

Each of the above-mentioned technologies are freely available and technical skills required are easily manageable. Also, our project is not very complex so we will be able to develop an acceptable application with necessary but not limited features. Moreover, time limitations of the project development and the ease of implementing using these technologies are synchronized.

The basic requirements to develop the application like Computers, power supply, internet and soft-wares are easily available in college computer laboratories. Also, there are not much financial overheads which can pose any difficulty.

The app will not be using any confidential organisational data for which we will be needing any kind of permissions. The mentors or teachers will provide any personal or educational information willingly.

## Risk Analysis

The major risk currently is not being able to meet the deadlines. So, we plan to develop the project in modules. Also, doing so will help us keep our errors minimal. As this project contains a various number of functionalities, the code may become a mess as we are inexperienced developers.

Other risks include version operability of our project on various platforms. We will try to keep our applications as diverse as possible. We will also maintain our app so that it can cope up with technology upgradations.

One other risk is that someone may post some irrelevant or incorrect content. To handle this issue, we will introduce a rating system where students can rate any document based on the quality of the document.

We will also introduce a feedback system, to refine the application with emerging technological developments.

## Work Plan/ Schedule

We plan to develop the project in various versions. We will introduce new functionalities one by one in each version of our project. Each version will act as a milestone for us.

## Suggested Deliverables

The end result of this project will be an android application having different sign in options for students, teachers and alumni, and a centralized database to store all the data that is posted on the application. Each Stakeholder will have different kind of GUI.

## Any other Details

## References