

Final Report of Project I

MOBILE APPLICATION FOR PROVIDING GUIDANCE

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Submitted by:

Mr. Diwas Gauli,191323

Mr. Gaurab Paudyal,191324

Mr. Deepak Awasthi,191321

Mr. Divya Kumar Regmi,191322

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Department of Computer Engineering

**NEPAL COLLEGE OF
INFORMATION TECHNOLOGY**

Balkumari, Lalitpur, Nepal

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ABSTRACT

This project is based on overall work of the guidance to any individual for choosing the right path for their needed destination. Counseling communities have great market potential, therefore understanding the perception of young generation of the factors influencing their intention to use such sites is vital. So we have planned to develop this road map application which is easier for anyone to grab the broad information and guidance they need in short amount of time

The road map is a mobile application which gives complete guidance to the user about the academic field. We are mainly focused on providing the right guidance to the needed one through our application.

Keywords: Consultancies, Roadmap, Counseling, Application, Academics, Guidance

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1.INTRODUCITON

1.1PROBLEM STATEMENT

For many students it is very hard to decide what to do or what is the right way to achieve the right thing. There are many students and leaner who seems very confused about the decision and the way to pursue the right path. They have to reach out several of counselor and seniors of different felids to gain the right information and right guidance even beside that they can't actually get the right package of guidance which they need. Detailing of right guidance gets lagged on that mass of several personality point of view and its quite stressful as well. Hence our system can eliminate all these difficulties and problem and provide the following facilities

1. Easy to use
2. Fast and convenient
3. Easy to handle
4. Cost reduction

1.2 PROJECT OBJECTIVES

The major objectives of the project are:

- To provide guidance.
- To provide the proper path.
- To provide assistance in paperwork's for work.

1.3 SIGNIFICANCE OF THE STUDY:

This Android application is designed in such a way that its features are in favor of students. Therefore, its scope is limited to student and teacher users. However, non-academic person can also use this system to search particular topic for genuine guidance. This project is supposed to contribute in overcoming the problems that a student has to face while choosing their career. There are some people who wish to get better guidance in his community, religion, or belong to his/her place. In such cases, they can use our platform to find right path with genuine details.

1.4 SCOPE AND LIMITATION:

The product will have following scopes:

- Admin receives the suggestion given by the user and can further add it to the application program to the better growth of application increase the interaction between user and the application
- User can go through the available content and use it according to their preferences and also can suggest if required option for guidance is not available.

Limitations are:

- We don't get the desired materials
- Also, the system is not be feasible globally
- The provided information is not always relevant.

2. LITERATURE REVIEW

There are many consultancies where users can get their career guidance but they are very expensive to afford and time consuming.

During our research, we found out few applications on playstore that fall under the domain of similar service:

But they are not researched broadly and got only few options to explore for guidance and also don't have any user interaction medium to get suggestions for the growth of application as well as better service to the user

So we decided to provide the same service with better functions and also provides the user interacting medium by taking suggestion from for the further growth the application program and satisfy the user equally.

<https://developer.android.com/docs>

<https://youtu.be/mXjZQX3UzOs>

<https://lms.ncit.edu.np>

3. METHODOLOGY

We have planned to work following of these methodologies for application of knowledge, skills, tools and techniques to a wide range of activities and design in order to meet the requirements of our project.

SOFTWARE DEVELOPMENT LIFE CYCLE: INCREMENTAL MODEL

The framework we will be using for the developing this project is Incremental model. This is an umbrella term for several iterative and incremental software development methodologies. Each of the method is unique and share common core values. First, we decide or plan by gathering and analyzing useful requirements of the user and the suitable system specification to make sure it matches. After the plan, we go ahead to designing system followed by component design and when design is done then we do the coding then finally check if our project meets the requirements.

Incremental model includes the following phases:

- a. Analytic Phase In this phase, the requirements of the software will be analyzed which results in “Software Requirement Specifications” and we will analyze:
 - i. Options to choose the types of materials
- b. Design Phase In this phase, the analysis will be translated into the system’s design. Context Diagram, ER Diagram, and Class Diagram will be developed.
- c. Coding Phase This phase involves the coding as per the design and formation of a working system at the end of the process. Here, we will use XML for frontend and JAVA for backend.
- d. Testing Phase In this phase, the system will be tested. With each test, certain changes will be made as per the suggestion. This will happen in an incremental manner until a satisfactory system is made.

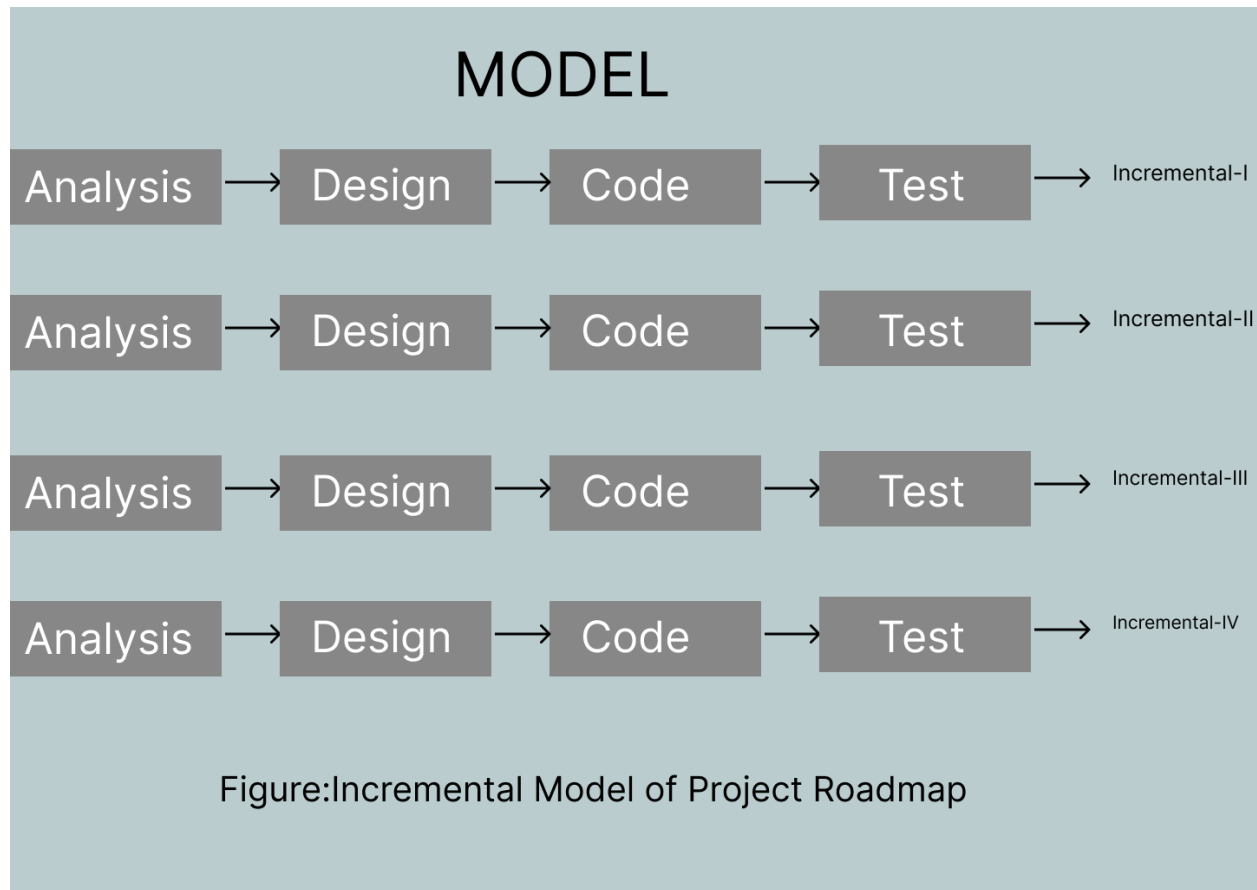
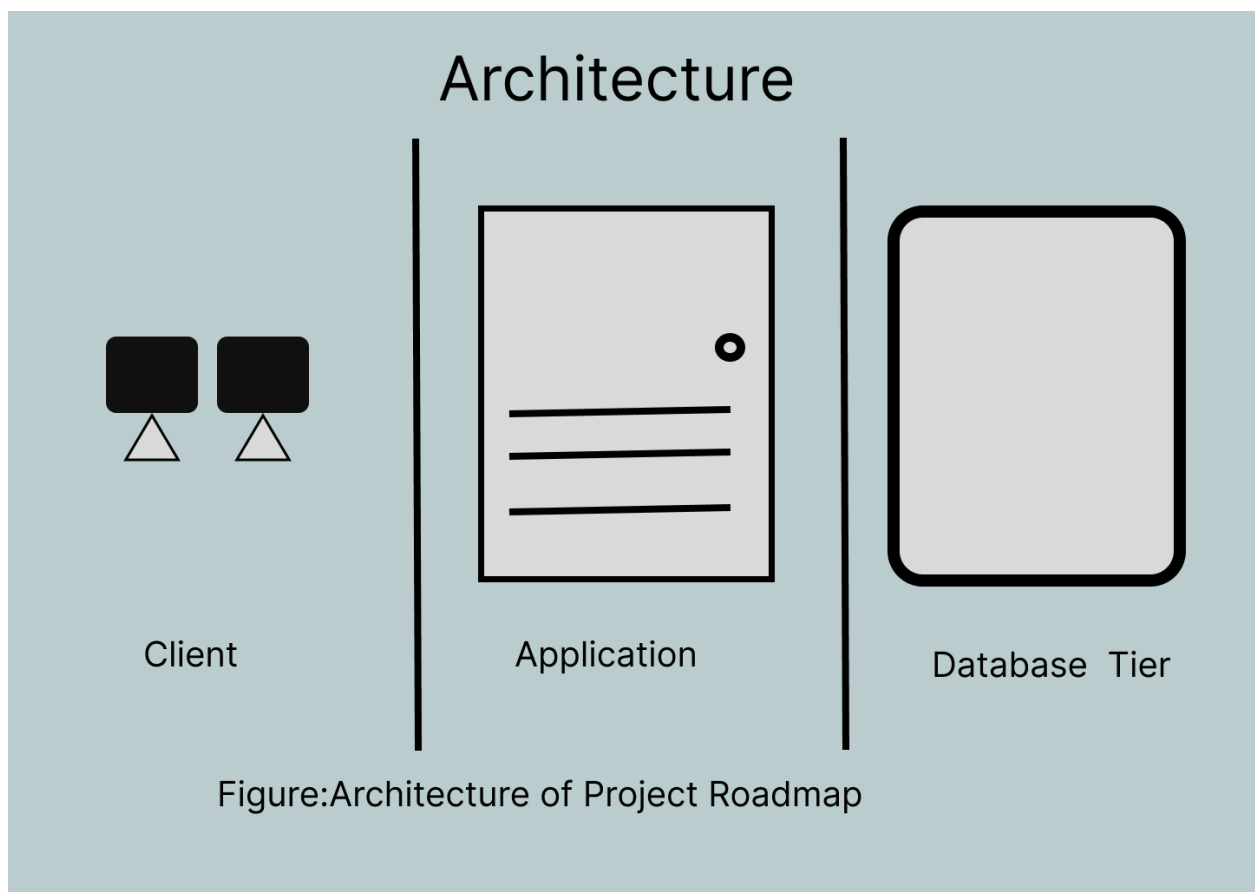


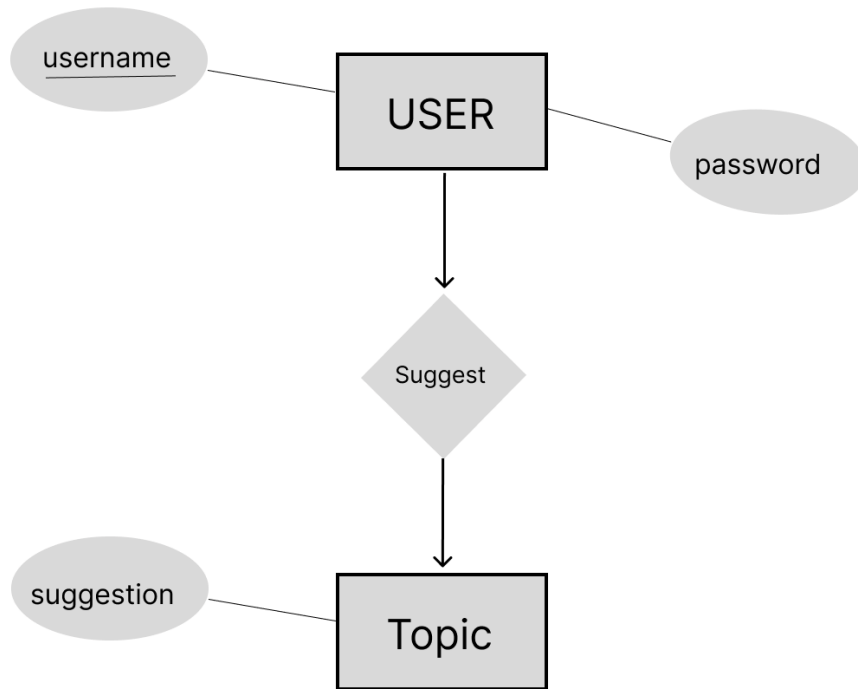
Figure 1: Incremental model

1. First Increment: Made individual pages.
2. Second Increment: Binding the pages and their navigation.
3. Third Increment: Database Added.
4. Fourth Increment: Login and Sign up added.

SOFTWARE ARCHITECTURE: APPLICATION ARCHITECTURE

Our project follows three tier architecture since it is an Application program. It is an architecture most application follows to work properly. An Application architecture contains three main Tires, which is client, web server and database which is shown in figure below. The user uses the application to access to our content. The Application also access its data stored in database through SQL lite.





ER.Diagram for Guidance app

TABLE 1: TOOLS USED

TOOLS USED	PURPOSE
XML	FRONT END
JAVA	BACK END
ANDROID STUDIO	IDE
SQL LITE	DATABASE

TABLE 2: TASK AND TIME SCHEDULE

The project Schedule has been designed as per requirement and constrains involved. This project was completed in about Three months. Requirement analysis and System design have been given major emphasis. Research and database management was done first. Debugging and testing was done until the completion of the project.

The table shown below shows the project scheduling for completing different aspects of the project.

S. No.	Start Date	End Date	Project States and Objective Achieved
1.	29 th June, 2022	9 th July, 2022	Preliminary Investigation
2.	10 th July, 2022	15 th July, 2022	Problem and Requirement Analysis
3.	16 th July, 2022	25 th July, 2022	Project Feasibility Study
4.	26 th July, 2022	6 th August, 2022	Writing Test Cases
5.	7 th August, 2022	15 th August, 2022	System Design
6.	16 th August,2022	25 th August, 2022	Implementation
7.	26 th August,2022	1 st September, 2022	Testing
9.	N/A	12 th November, 2022	Project Report Submission

Table: Project Scheduling

4. CONCLUSION

After the completion of project 'The Road map, we are able to reduce the physical and time consuming work which is primitive way to get guidance. By the use of this project information and guidance and information to the user are more accurate and right. It reduces the operational time of the user for grabbing lot of information and guidance about the career or goal they are choosing. It is reliable and more efficient. It replaced the physical counseling work into the digitalized system for counseling and guidance.

5. FURTHER WORKS /RECOMMENDATION

So, this is it? The answer is obviously no, building a digital system means a lot of exploration in future we have so much of further plans to add on to this project such as:


- Adding specific courses link to academic section.
- Adding suggested topic to the system.
- Adding contact details online forms to governmental section.

7. BIBLIOGRAPHY

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2. Android studio: [Android Studio Tutorial - GeeksforGeeks](#)
3. XML: [XML Tutorial \(tutorialspoint.com\)](#)
4. Java available on: <https://www.w3schools.com/java/>

8.APPENDIX:

Your Final
Destination



RoadMap

LETS START!

33%
Rese

Select your Choice!



Citizenship Certificate



Passport



Driving Licence



Voter Card

Enter your title

↑50

type your title

↑50

SUBMIT

↑50

⌵ 🔔 ... 4G 3G 77% 1:33 PM

← Roadmap

User Name

Password

SIGN IN



⌕ ... 4G 77% 1:33 PM

Roadmap

User Name

Password

Retype Password

REGISTER

EXISTING USER! GO TO SIGN IN PAGE

