

Dhaka University Calendar Management Application

*An Android Application for the
Manifest of the University.*

Team novice boys
Institute of Information Technology

Dhaka University Calendar Management Application

Project Proposal

Submitted to:

Dr. Mohammed Shafiul Alam Khan

Associate Professor

Md. Saeed Siddik

Lecturer

Institute of Information Technology

University of Dhaka

Supervised by

Dr. Kazi Muheymin-Us-Sakib

Professor

Institute of Information Technology

University of Dhaka

Submitted by

Pritom Kumar (BSSE 0919)

Miran Al Mehrab (BSSE 0931)



Institute of Information Technology

University of Dhaka

22-01-2019

TABLE OF CONTENTS

Chapter: Introduction	1
1.1 Background	1
1.2 Objective	1
1.2.1 Broad objective	1
1.2.2 Specific objective	2
CHAPTER 2: SCOPE OF THE PROJECT	3
Chapter 3: MOTIVATION	4
Chapter 4: WORK PLAN.....	5
4.1 Static Part	5
4.1.1 DU information management:	5
4.1.2 Transport Management:.....	5
4.1.3 General Calendar :	6
4.2 Dynamic Part.....	6
4.2.1 Map management:.....	6
4.2.2 Communication Management:.....	6
4.2.3 Search:.....	6
4.2.4 Calendar Management:	6
4.2.5 Providing admins with a separate interface:	7
Chapter 5: DEVELOPMENT	7
5.1 REQUIRED LANGUAGES	7
5.2 DELIVERABLES	8
5.3 METHODOLOGY	8
CHARTER 6: CONCLUSION	9

CHAPTER: INTRODUCTION

This is an android application that is entitled to the name Dhaka University calendar management application. People can avail this application to be familiar with the Dhaka University. People can create account to access some more exciting feature along with the basic features.

1.1 Background

The calendar committee of Dhaka University publishes a calendar for the very first year students of the university to be familiar with the University campus and its glorious history. But unfortunately every year the students get the calendar at the end of the year. That doesn't fulfill the purpose of the calendar. So by using this application students, teachers and other people can be easily familiar with the university.

1.2 Objective

The objectives are categorized into two portions-

1.2.1 BROAD OBJECTIVE

To make an android calendar application for the students, teachers and employees of the university.

1.2.2 SPECIFIC OBJECTIVE

- To utilize our knowledge about Software requirement specification, Object oriented programming, Web technology and Database on the project.
- To minimize the time of getting the calendar for the students.
- To provide information about the university privilege.
- To provide communication medium for the very first year students.

CHAPTER 2: SCOPE OF THE PROJECT

The scopes of this project are -

- First year students can create account in the application.
- Registered users can access the exciting features of application.
- All users can access the basic features like – departments, institutes or office information, map or bus schedules etc.
- Users can access his/her account from anywhere.
- Only the admin can update the information through provided interface.
- This application is developed for android operating system.
- This application is expected to be finished by May, 2019.



CHAPTER 3: MOTIVATION

- The will to make university system fully automated.
- To help the students to make better use of the university facilities.
- To make the bonding between students and university much stronger.



CHAPTER 4: WORK PLAN

Work Plan for our project is –

For better management of the project data we have divided our project management into two parts-

4.1 Static Part

All information that are not likely to change are part of static part. These part can be updated by admin although.

4.1.1 DU INFORMATION MANAGEMENT:

It includes DU brief history, notable achievement, information about governing body, department / institute description, halls, Club or society details, pictures of famous places in DU campus and other descriptive information.

4.1.2 TRANSPORT MANAGEMENT:

Schedule for the all the buses and their stoppage will be available for all users.

4.1.3 GENERAL CALENDAR :

A general calendar containing the list of University Holidays will be accessible to all user .

4.2 Dynamic Part

4.2.1 MAP MANAGEMENT:

Users can see his/her current position and set the destination to get route. They can also search by department and offices and get the route. They can also see exciting places near and within the university.

4.2.2 COMMUNICATION MANAGEMENT:

A group chat service will be provided to the registered user. The group will only be available to the first year students of the same department / institute.

4.2.3 SEARCH:

Search option will be provided for ease of the user to retrieve information from the application.

4.2.4 CALENDAR MANAGEMENT:

There will be a specific calendar for each department / institute.

4.2.5 PROVIDING ADMINS WITH A SEPARATE INTERFACE:

Admin will have a different web interface for their convenience. They can upload, update or delete information to the server and simultaneously database will be updated accordingly.

CHAPTER 5: DEVELOPMENT

5.1 REQUIRED LANGUAGES

Required languages to develop this application are-

- HTML
- CSS
- JAVA
- MySQL

We will use Android Studio IDE for developing the android application.

Besides, we will also use some libraries and framework.

5.2 DELIVERABLES

Deliverables of this project are-

- SRS documentation
- Web application
- Android Application

5.3 METHODOLOGY

Major steps to complete this project are-

- Analyzing the requirements of the project
- Preparing SRS document of the project
- Creating admin interface website
- Creating android application for user.
- Implementing all the parts to the android application
- Connecting the android application and admin website with the server database



CHAPTER 6: CONCLUSION

A software project means a lot of experience. This is an android based application with some real time synchronizing features. Here we need to handle both the server and user side. This is a great experience for us. We have to work really hard to complete this project. We have got a lot of help from our teachers and seniors. Hopefully, our users will be satisfied with our software.