

Group-2(A)

MIST SMART VOTING SYSTEM (MSVS)

User Manual

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TABLE OF CONTENTS

Chapter 1.....	3
Introduction	3
1.1.About the project.....	3
1.2Objectives	3
1.3Outline of the system.....	3
1.3.1 Software	3
1.4Features	4
Chapter 2.....	4
How to use the system.....	4
2.1 System requirements	4
2.2 How to use the app	5
2.2.1 Log in	5
2.2.2 User part.....	6
2.2.2.1 How to vote.....	6
2.2.2.2 How to see results.....	6
2.2.2.3 How to apply for a post as a candidate.....	6
2.2.2.4 How to edit profile.....	7
2.2.3 Admin part.....	7
2.2.3.1 How to create an event.....	7
2.2.3.2 How to accept requests	7
2.2.3.3 How to approve candidates.....	8
2.2.3.4 How to edit user.....	9
2.2.3.5 How to publish result.....	9

Chapter 3.....	9
Risk management	9

Chapter 1

Introduction

1.1 About the project

It is a mobile application by which MIST students can give their votes easily. In this system vote casting, counting and result publishing made far more convenient than the usual system.

1.2 Objectives

1. To automate The Voting System of MIST
2. To organize voting events like CR election, Different Captain, MIST captain, Osmany hall captain, Computer club president election
3. To give vote sitting in residence
4. To reduce all sorts of complexity
5. To reduce the wastage of time

1.3 Outline of the system

1.3.1 Software

As the system is totally an android app, so one should need only an android phone and internet connection. Using his/her own phone he/she can give vote. Here fingerprint sensor of the phone is required to take authenticated vote. But if one does not have fingerprint sensor

in his/her phone then he/she can authenticate the vote using a confirmation code which will be sent via email.

1.4 Features

- 1.The system uses the barcode of the id card of the students to sign up and sign in.
- 2.Admin can create vote events , allow the students to become a candidate, choose candidates and voters, publish result, handle the history of the events.
- 3.Valid voters can see candidate's profile, view results after the voting events.
- 4.One can give vote to an event only once as it needs fingerprint to cast a vote.
- 5.Those who don't have fingerprint sensor, can also give vote using confirmation code that is sent via email.
- 6.One can edit his/her profile.

Chapter 2

How to use the system

2.1 System requirements

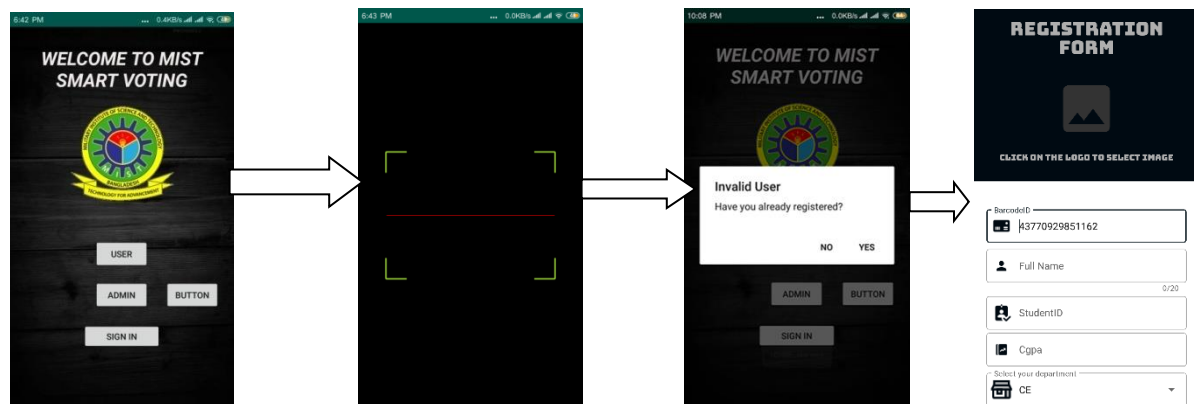
The system needs an android phone as it is an android application . An android phone in which fingerprint sensor is preferred as it will make

the voting events more authenticated. Also internet connection is needed.

2.2 How to use the app

2.2.1 Log in

One can login using the barcode scanner only if he/she is already a valid user. Otherwise he/she can **register** by giving some authentic information .



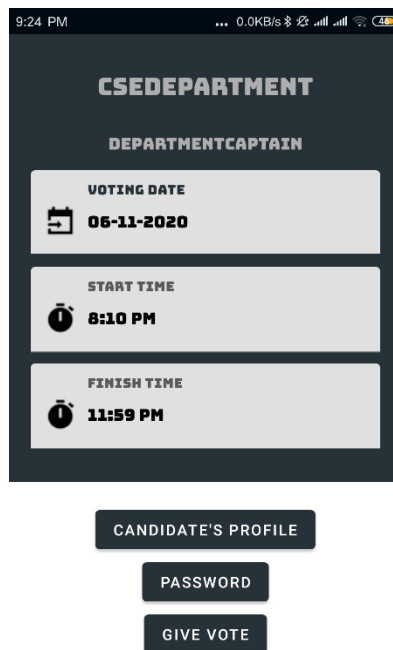
2.2.2 User part

2.2.2.1 How to vote

One can choose an **Event** and that event's particular **Posts**. If that event is valid then he/she will be able to see the information of the event and selected candidates' profile. Then he/she can select one candidate to give vote. After that, he/she has to give his/her fingerprint to authenticate. If the fingerprint

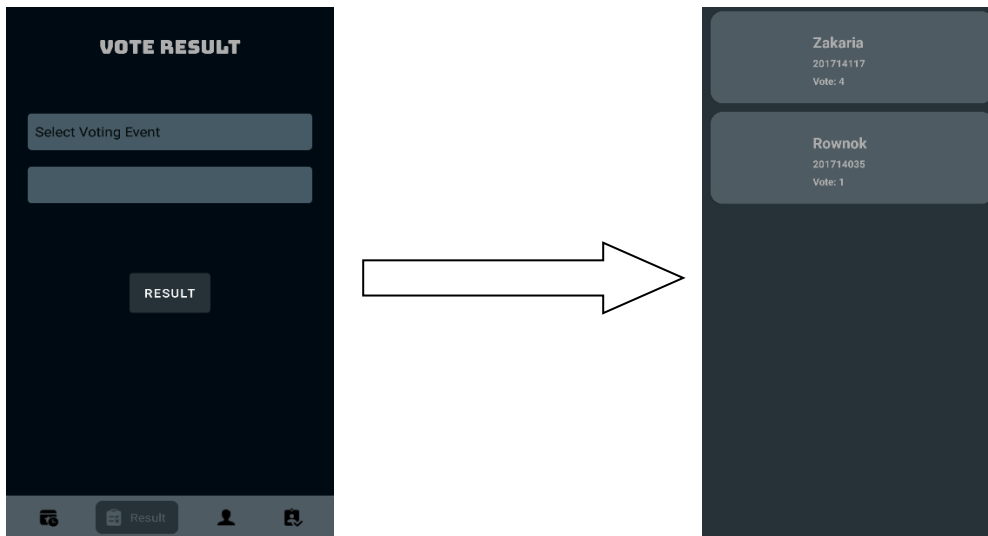
matches then a confirmation message will be shown. So the vote must be confirmed within 10 seconds.

If a voter does not have fingerprint sensor in his/her phone, then he/she can apply for a one time confirmation code. A confirmation code will be sent to his/her email address. Then he/she can give vote using that code.



2.2.2.2 How to see results

Once a voting event is finished, the result can be seen by choosing the event from the **Post**.



2.2.2.3 How to apply for a post as a candidate

If anyone wants to become a candidate for a post, then he/she has to submit an application to the admin from **Candidate** section. If the admin approves the application, then he/she becomes a candidate.

2.2.2.4 How to edit profile

The profile icon at the top of page, shows the user profile. There user can **edit** his/her profile.

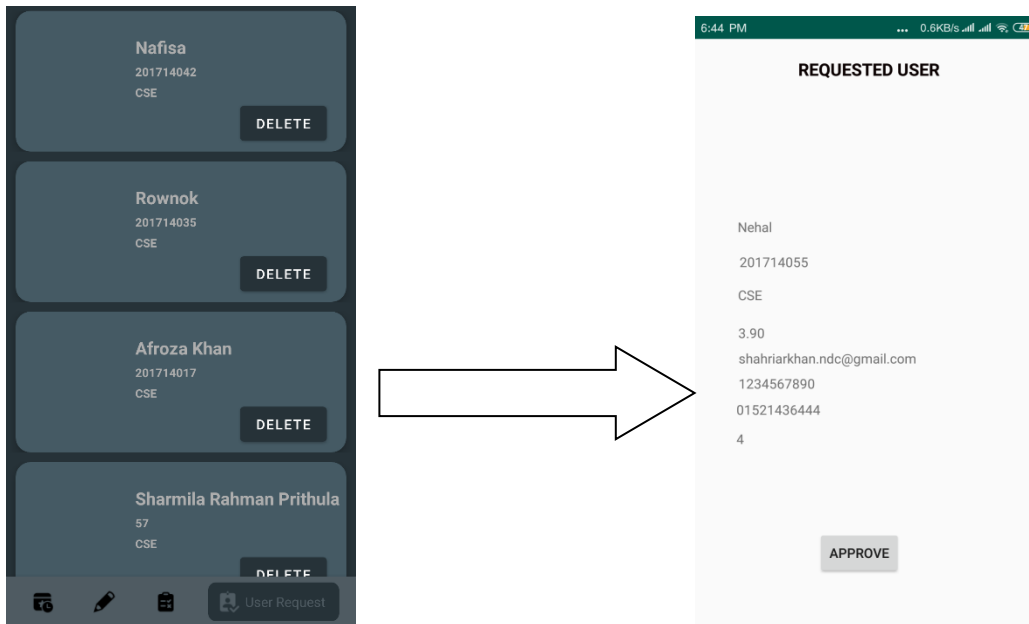
2.2.3 Admin part

2.2.3.1 How to create an event

First the admin has to go to the **create event** section. There he/she has to select **date, time, event, post**. Then he/she has to **select eligible voters** by giving voters' **department** and **level** and then **create** an event. Then he/she has to **select candidates** for that post.

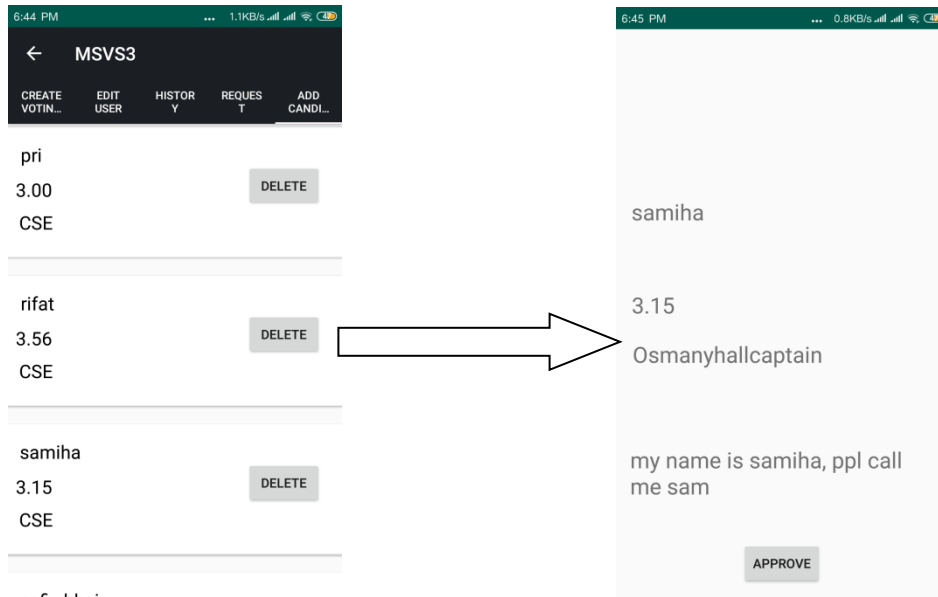
2.2.3.2 How to accept requests

At the **request** section, there will be the requests that are registered to become a user. By tapping the names of the students, the admin can see their profile. After verifying the information of the students, he/she can accept the requests and **approve** them as eligible voters.



2.2.3.3 How to approve candidates

At **Add candidates** section , the admin can see the candidate application of the valid users. By tapping the name of the requested candidates' name, he/she can the details of them and then he/she can **approve** them.



2.2.3.4 How to edit user

At **edit user** section, the admin can **edit** or **delete** users' profile.

The 'EDIT USER PROFILE' form contains the following fields:

- EDIT NAME:** NURAZ RAHMAN KHAN
- EDIT ID:** 201714055
- EDIT LEVEL:** 4
- EDIT PHONE:** 01634591824
- EDIT EMAIL:** SHAHRIARKHAN.NDC@GMAIL.COM

At the bottom of the form is an **EDIT** button.

Chapter 3

Risk management

- If someone steals voter's id card, then he/she will be able to sign in as that voter.
- If there is any internet issue then the app will not work.
- If the id card is not clean enough then the barcode scanner may not work properly.
- If the fingerprint sensor is not clean enough then it may not identify the user's fingerprint.
- Admin has to be careful about publishing results, he should never publish the results before the event being finished.