College of Commerce, Science & Information Technology

Affiliated to Savitribai Phule Pune University

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PROJECT REPORT

ON

"ONLINE VOTING SYSTEM"

SY(BBA-CA)

For the award of

the degree of

Bachelors of Computer Application

SUBMITTED BY: **MANISHA KUMARI &**

SONY PRASAD

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SYNOPSIS

NAME OF THE STUDENT: MANISHA KUMARI & SONY PRASAD

TOPIC NAME: ONLINE VOTING SYSTEM

INTRODUCTION

The most crucial factor for a system like e-VOTE to be successful is to exhibit a Voting Protocol that can prevent opportunities for fraud or for sacrificing the voter's privacy. The Voting Protocol that will be designed and implemented for the e-VOTE system will combine the advantages of existing protocols and techniques, while at the same time it will aim at eliminating most of the identified deficiencies and problems. The related attributes that the e-VOTE system will fully support, and against which it will be extensively tested and validated, are listed below. These attributes can be also considered, according to the literature, as a set of criteria for a "good" electronic voting system that can easily enjoy the trust and confidence of the voters and process organizers.

TECHNOLOGY USED

FRONT-END: HTML, CSS & JQUERY

BACKEND TECHNOLOGY: JAVA

DATA BASE: MY SQL

IDE: ECLIPSE & SQL YOG

Signature of Student

Signature of Teacher

SYSTEM ANALYSIS

ONLINE VOTING SYSTEM

Existing Systems:

Existing Systems mainly include the following two types:

- Paper-based ballot system: The voters get a blank ballot and use a pen or marker to indicate he want to vote for which candidate.
- Lever voting machine: Lever machine is peculiar equipment, and each lever is assigned for a corresponding candidate. The voter pulls the lever to poll for his favorite candidate.
- EVM Voting machine: EVM machine is electronic equipment, for every candidate having the button to vote for the candidate. Voter needs to press the button for the vote.

Scopes and Limitations of Existing systems:

- Less effort and less labor intensive, as the primary cost and focus primary on creating, managing, and running a secure web voting portal.
- Increasing number of voters as individuals will find it easier and more convenient to vote, especially those abroad.
- Hand counted ballots is a time and labor consuming process.
- Lever voting machine's interface is not user friendly enough, giving some training to voters is necessary.
- Resources such as pen, papers are at higher risks as everything offline.

Project perspective and Features:

- Implementing an automated /online voting system.
- Validating the system to ensure that only legible voters are allowed to vote.
- The ONLINE VOTING SYSTEM shall reduce time spend making long queues at the polling stations and enable voters to vote from any part of the globe.
- Cases of votes miscounts shall also be solved since at the backend of the system resides a well-developed *database SQL Server* that provides correct data.
- Since the voting process shall be open as early as possible, the voters shall have ample time to decide when and whom to vote.

Stakeholders:

There are always three stakeholder constituencies involved in an election:

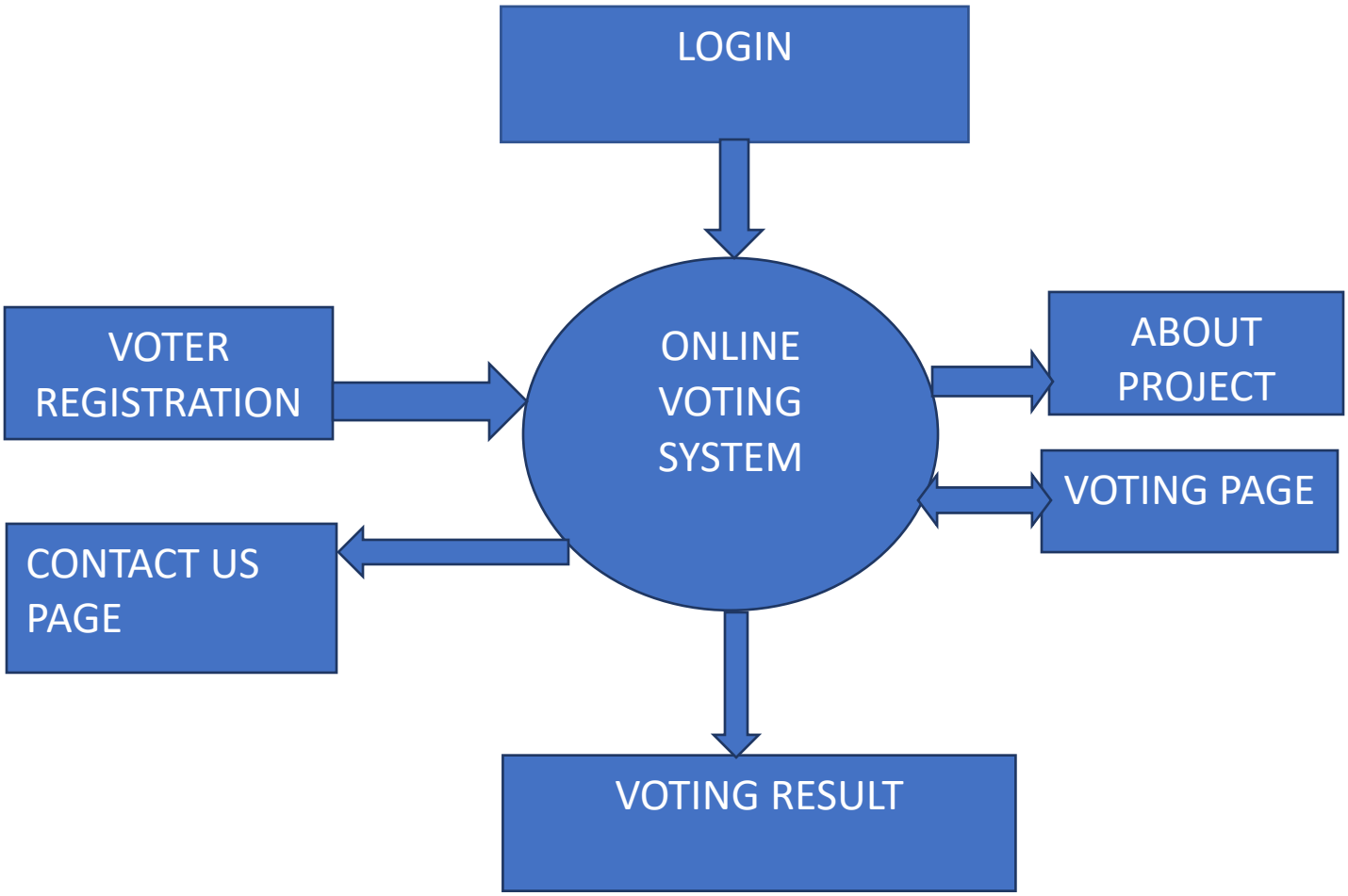
- ***Election authority:*** In many cases, election legislation will establish a national election commission or designate a government agency responsible for administering elections. Depending upon the organizational structure of this body, there may be specific departments responsible for such areas as voter education, public relations, training, regulatory drafting, election preparations, and so on.
- ***The contestants:*** The primary contestants in an election are the candidates who are running independently or being forwarded by registered political parties, public organizations, or groups of voters.
- ***The electorate:*** The third group of stakeholders is comprised of all those who vote. The electorate can be considered at large; segmented into groups, such as women voters, young and first-time voters, or military voters; and in terms of more formal organizations and associations described in shorthand as 'civil society.'

Requirement Analysis:

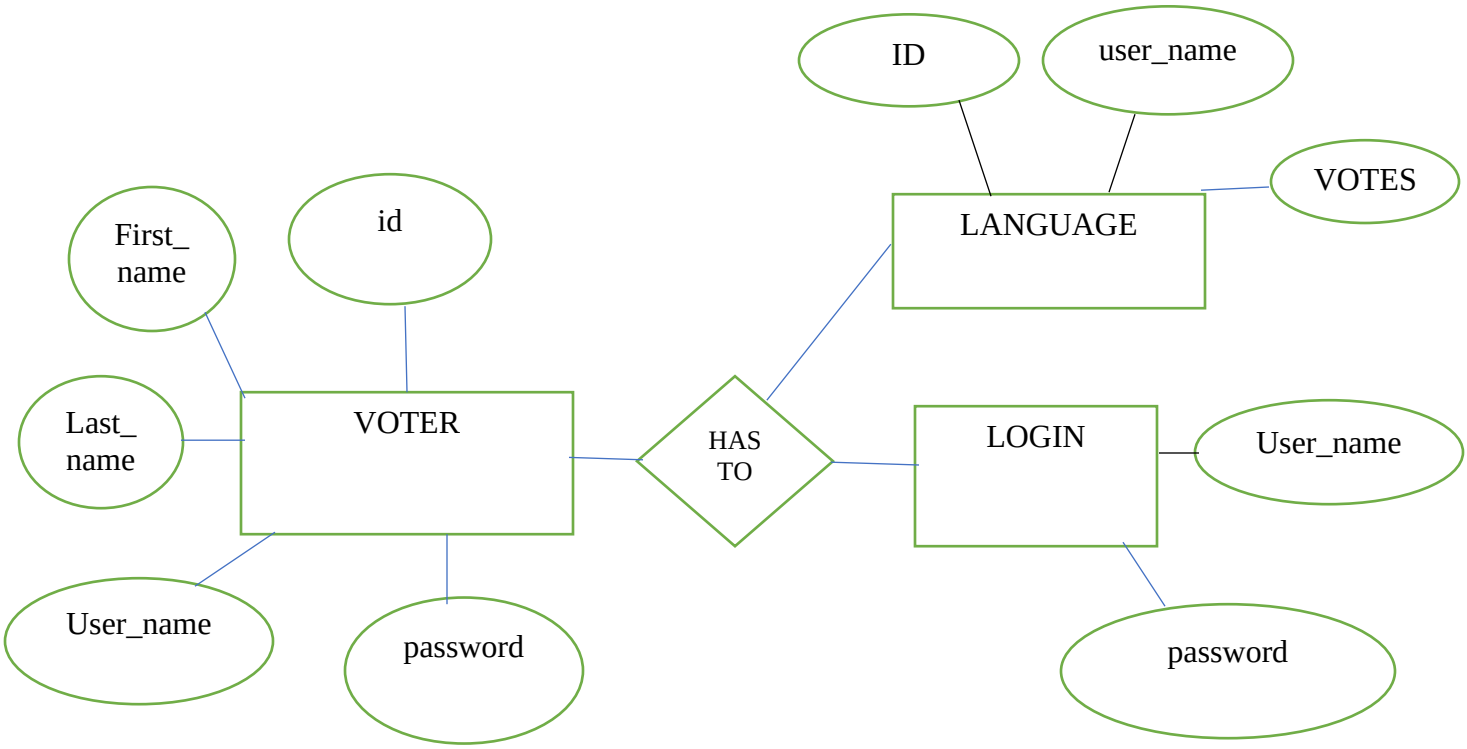
- *Functional requirements:* The system has login page which functions as a door when put in the proper password. Every webpage assigned accordingly so that there is no chaos. In the first page voter registration page link is also present, they have to fill all the required data and then they will submit that page. After login with voter, they will redirect to voting page.
- *Performance requirements:* This e-voting technique is done well by coding and formatting properly aligned by precision. Web Pages put together in proper format and classified different categories accordingly. Web page is well designed and performance is best in the market.
- *Security requirements:* The voters should have proper voter ids and passwords. Administrators having control over system so that only they could make changes & he have the authorities of register the candidates. Voter the permission of update their own data and they will vote for assigned voting system.

SYSTEM DESIGN

DATA FLOW DIGRAM:



ENTITY RELATIONSHIP DIGRAM



A MODULE FOR IMPLEMENTATION DETAILS

SOFTWARE SPECIFICATIONS:

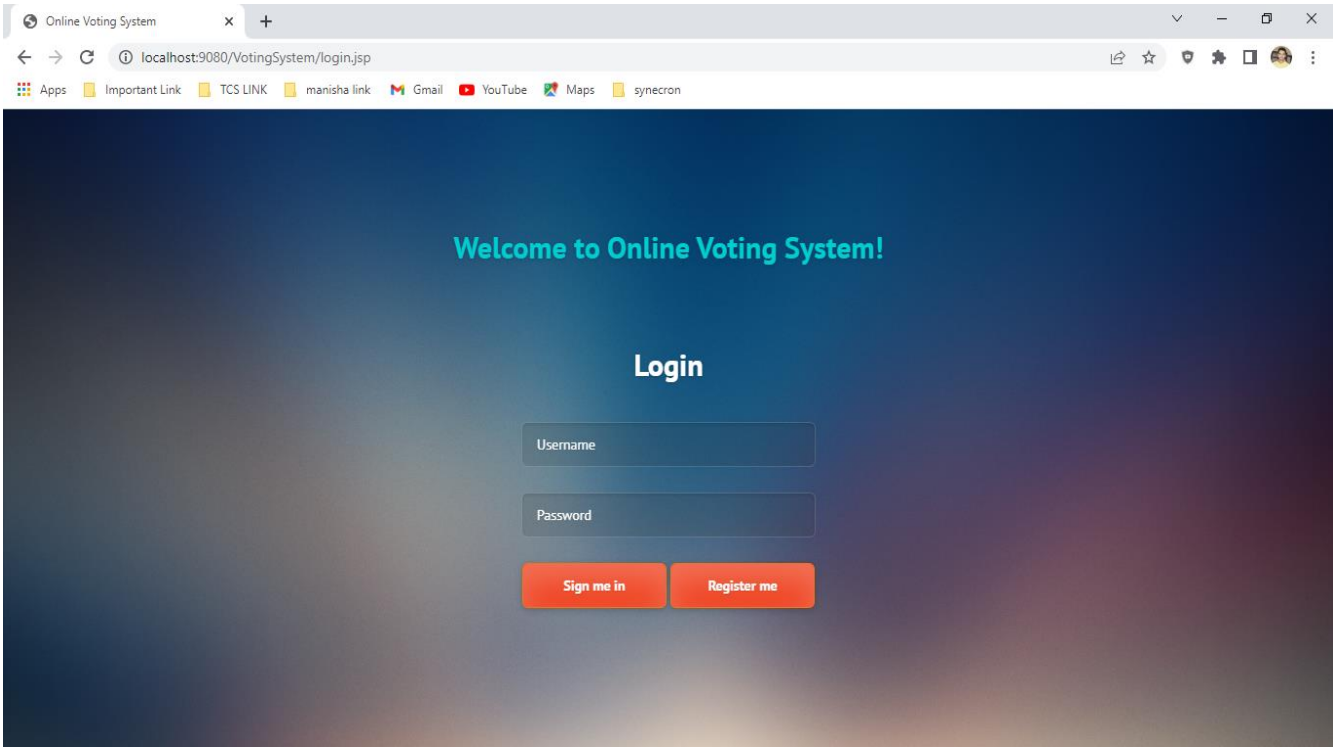
- Windows 7/8/10/11
- JDK 1.7 or above
- Eclipse IDE
- Apache Tomcat Server 8
- SQL Yog
- My SQL Server
- Any browser

HARDWARE SPECIFICATIONS:

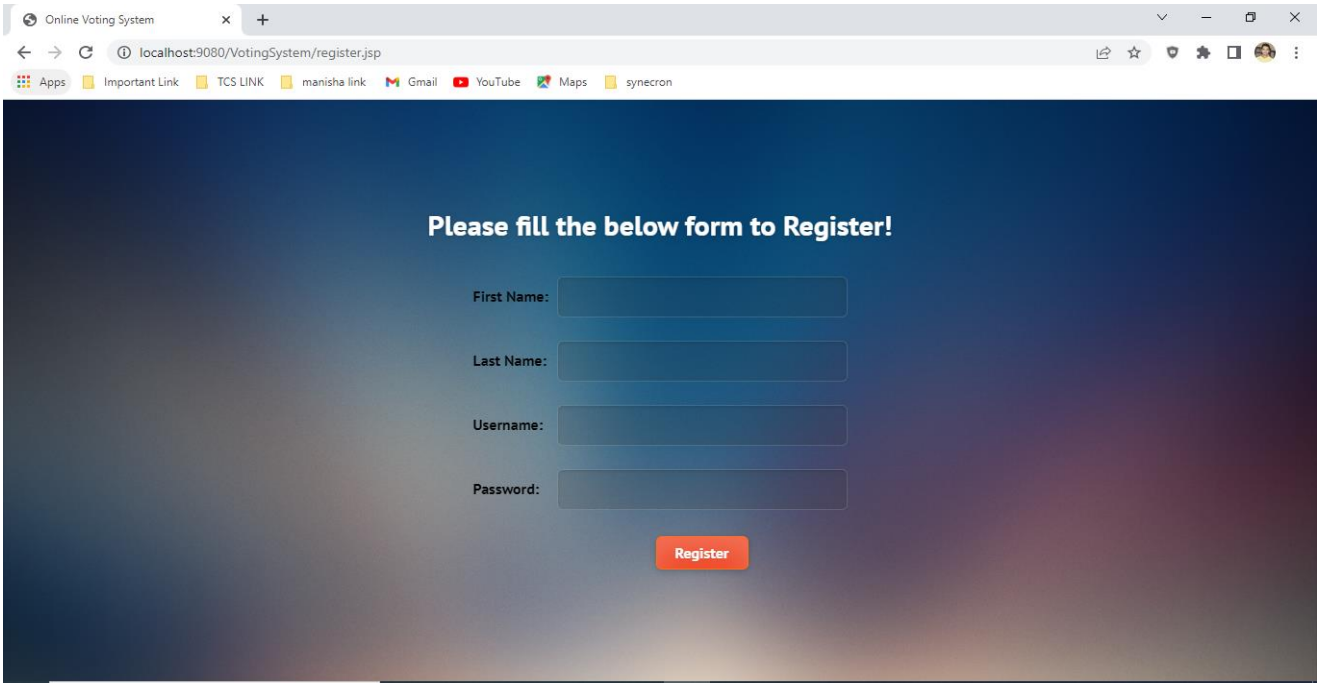
- 4gb ram [min].
- Any desktop computer or laptop
- Processor i3 and above.

OUTPUT OF WEB DESIGN

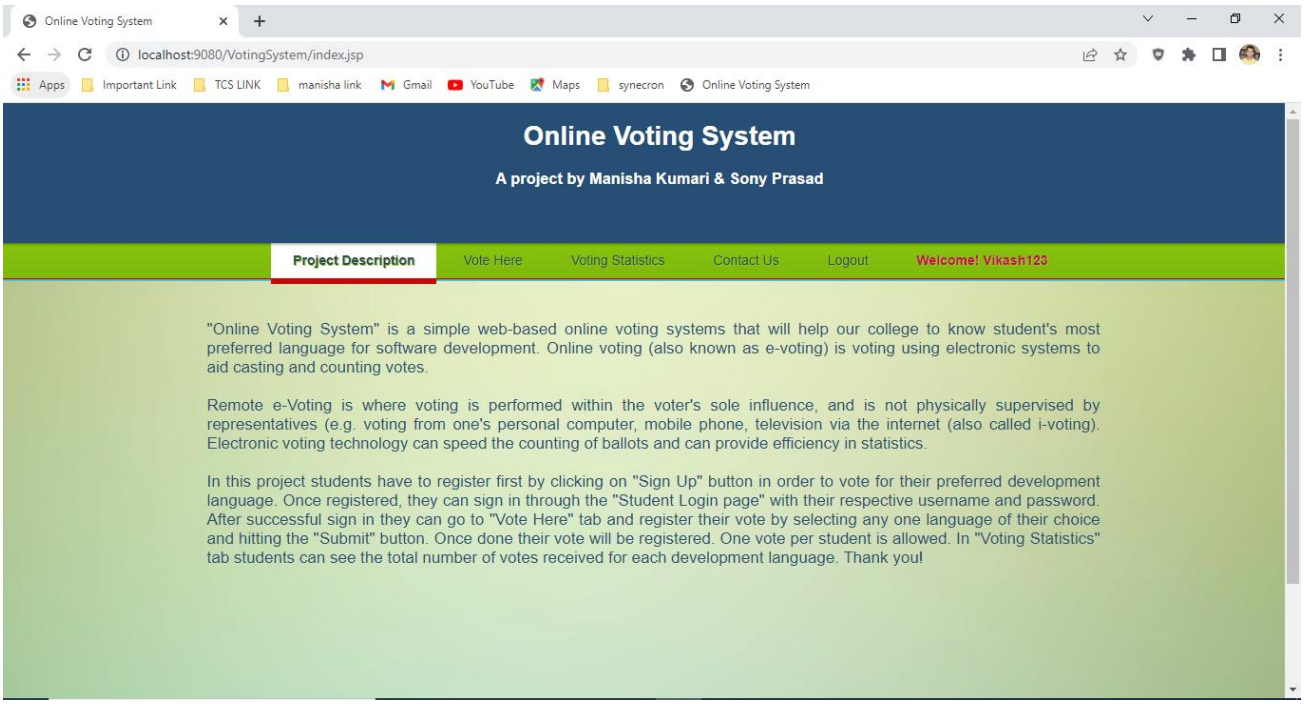
LOGIN PAGE:



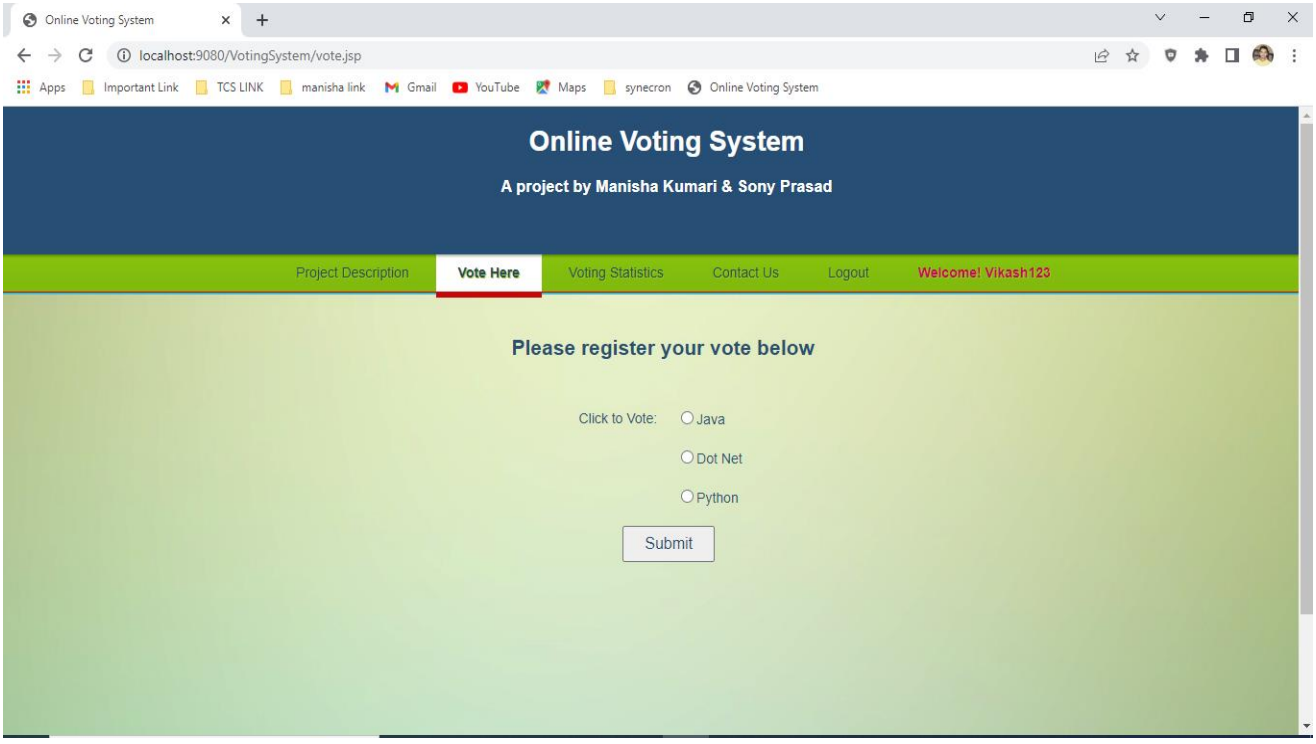
REGISTRATION PAGE:



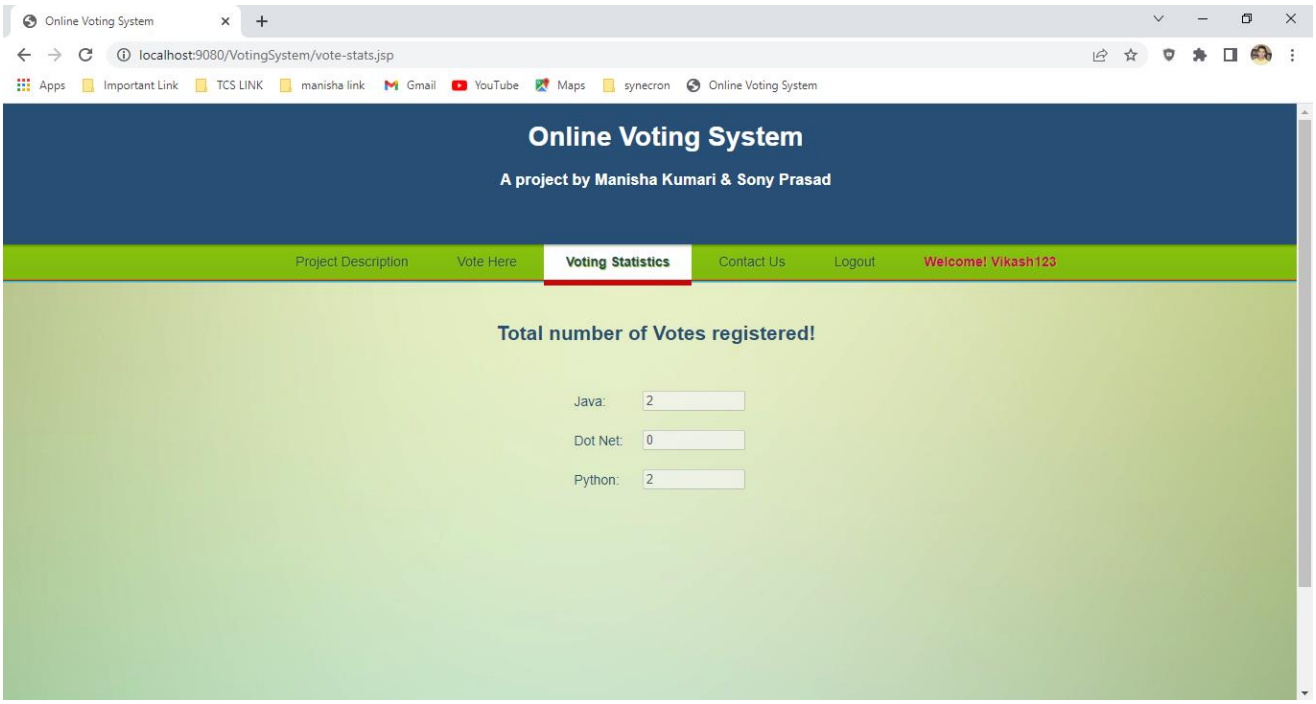
PROJECT DESCRIPTION:



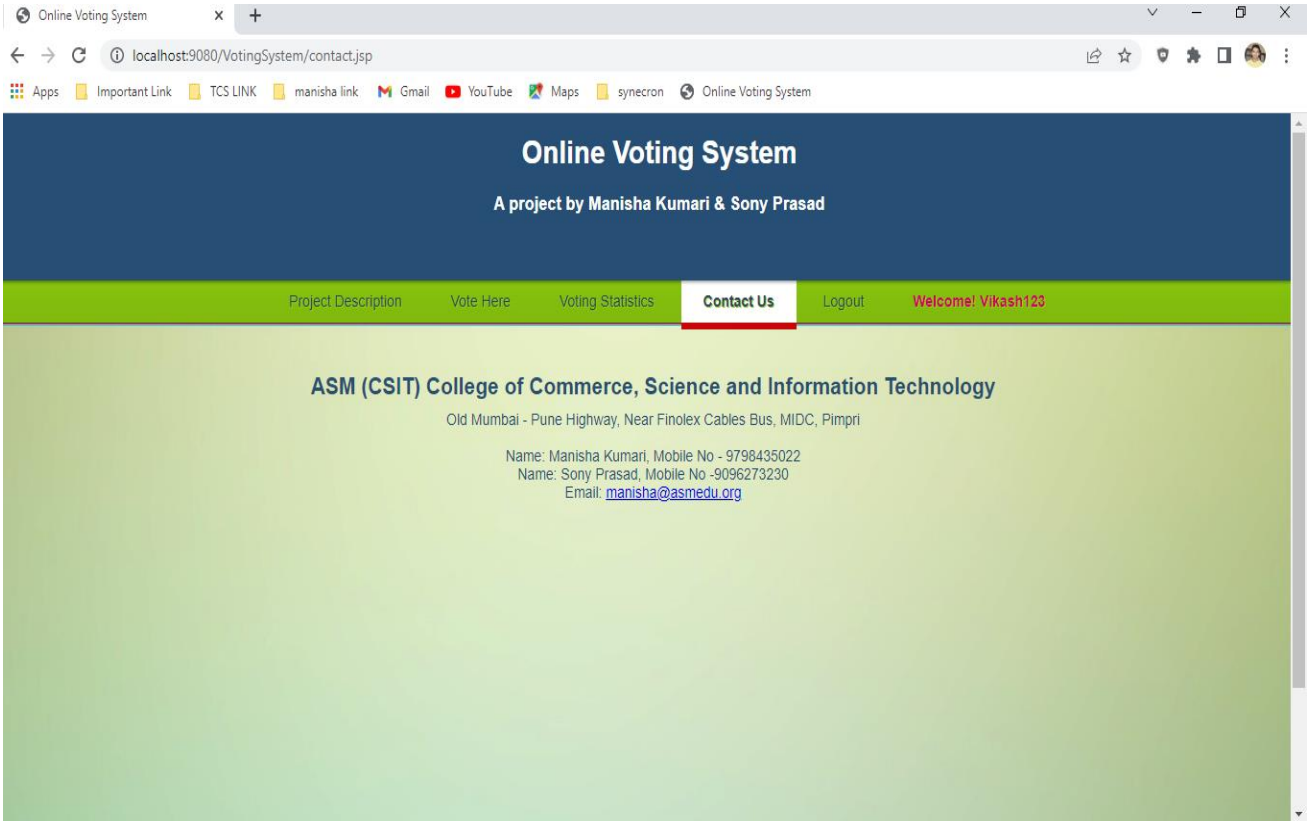
VOTING PAGE



VOTING REPORT PAGE:



CONTACT US PAGE:



CONCLUSION

This project is about a mini election system for college/school. Here any one can stand as a candidate and other all can vote with full freedom and unique user ID. It is a very much secured way for conducting an election because of its certain features such as banning any user ID or deleting certain illegal vote and securing the administration with unique user ID and password for Admin login. It is built using Java Language.

It uses Data handling system to store the data in My SQL Database on the system. Main features of this project are it has two panels, i.e one for Votes and one for voting [student]. It is very much secured and ethical medium for conducting any election for choosing subjects. It is very easy to use and a graphic free software. It also has a feature to calculate voting percentage while displaying the results.

This Project main aim is to provide safe and secure voting system environment, where voter can allow the user to vote & declare a result.

RECOMMENDATIONS & FUTURE SCOPE

- This Project is for people to vote and select their Subjects. Project may be used by colleges / schools to select their Subjects.
- It is Simple to Use and May be useful in Future for election purpose. Voting does not to be scam anymore. This project is safe and secure.
- It has a huge scope as always there is a need of Election in Democratic system.
- This project could also be used anywhere holding a situation for polling between multiple prospects.

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