



University of Hyderabad

DIGITAL ELECTORAL SYSTEM FOR UNIVERSITY GOVERNANCE

Software Engineering



BY

Sidhartha Ananthula - 21MCME08

T Lakshmi Sai Srivatsa - 21MCME06

Agenda

- 
- 1 Abstract
 - 2 Proposed Solution
 - 3 Design & Implementation
 - 4 Apportioning Requirements
 - 5 Conclusion

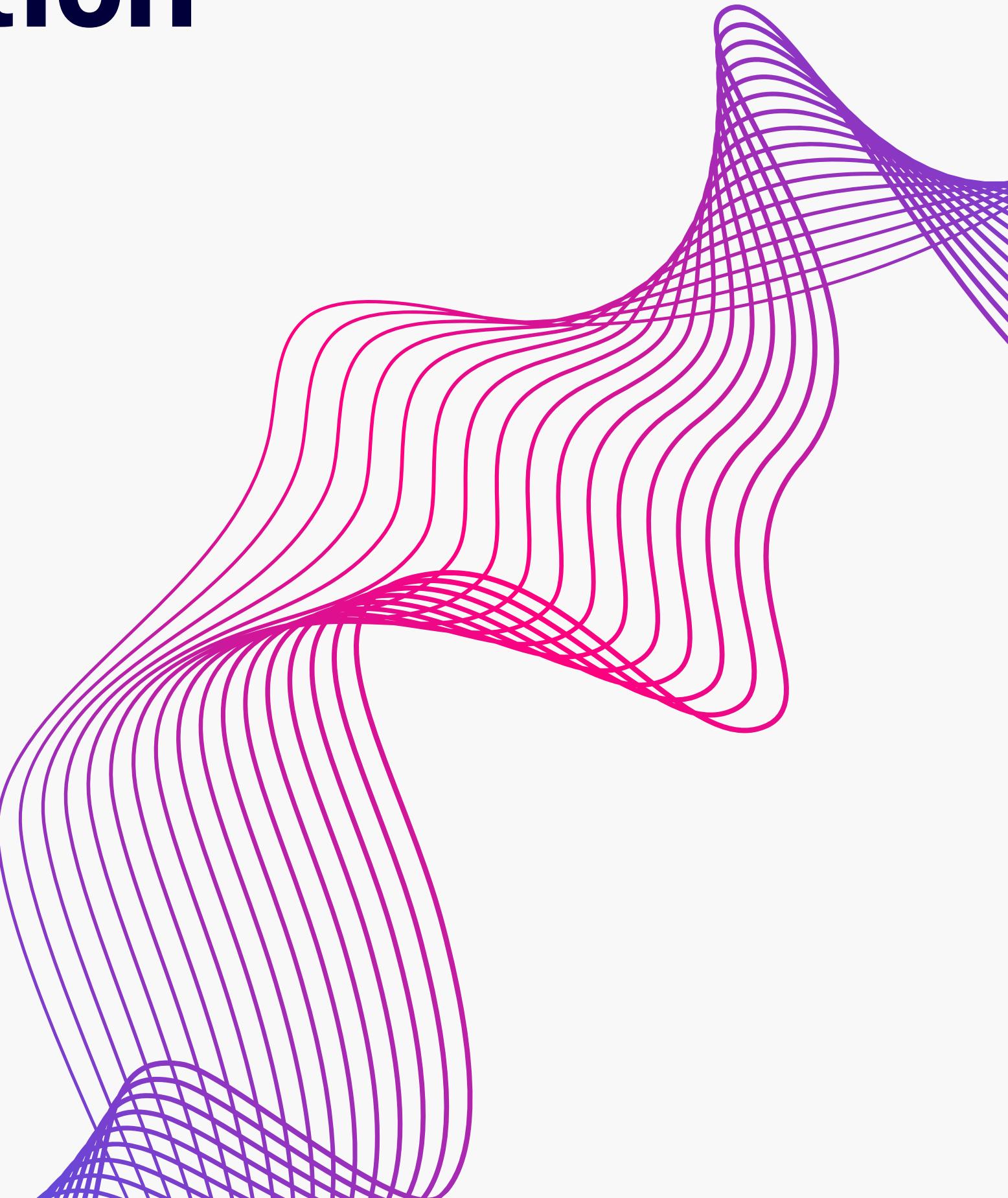


Abstract

- Resource-intensive election nomination and voting process.
- Software application to streamline the processes involved.
- Eliminating the need of physical availability of the personnel.
- Increased voter turnout and reduced costs.

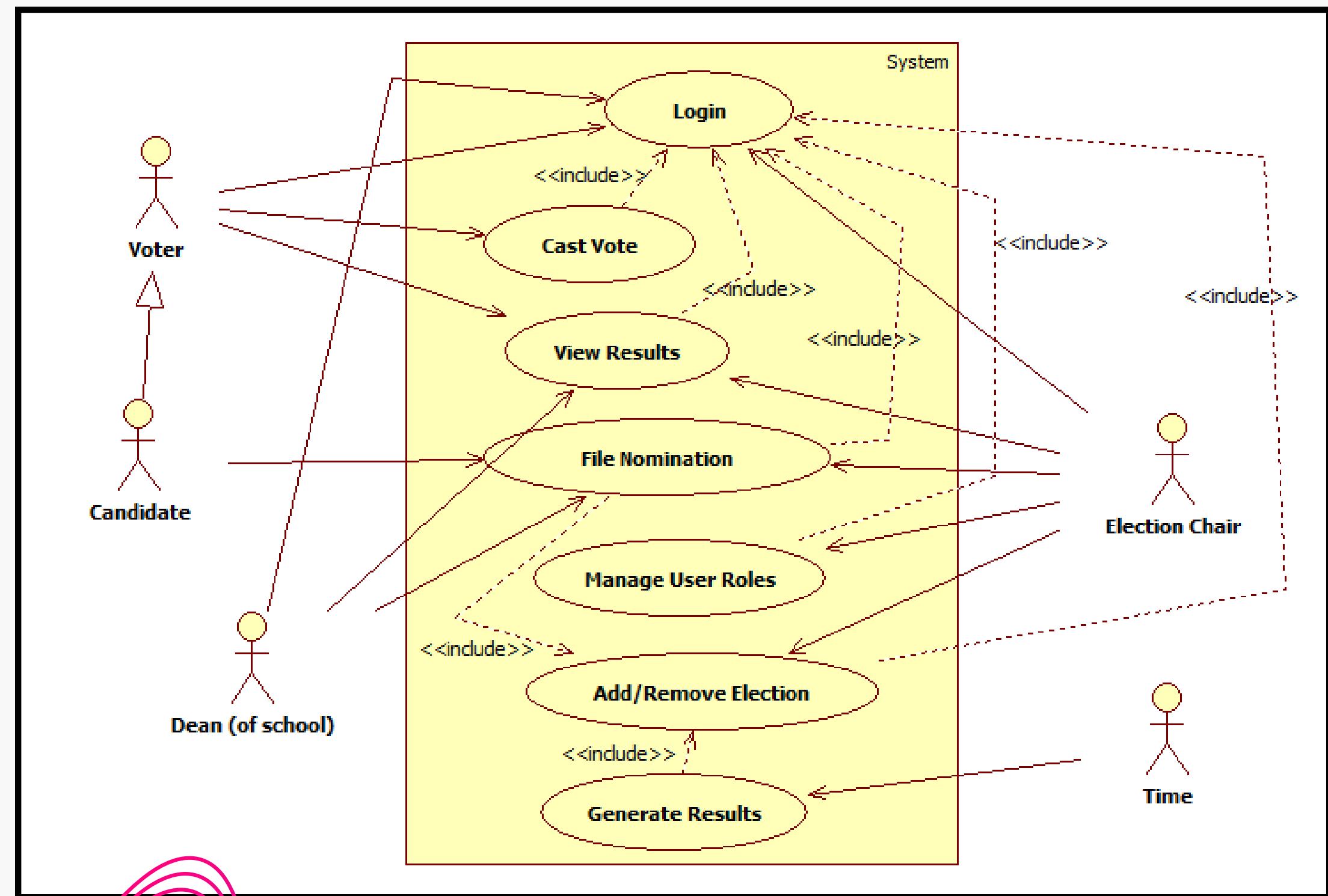
Proposed Solution

- Web Application to automate and simplify the steps involved in the nomination process.
- Students could file nominations as candidates and track the status of their applications.
- Proposer & Seconder can demonstrate their adherence to the candidate's choice by accepting or rejecting the nomination.
- Dean(s) could certify the Attendance & Academic Record of the candidates.
- Election Chair could verify the Enclosures submitted by the candidate.



Design & Implementation

Use Case MODEL



Design & Implementation

System

Specifications:

- IntelliJ IDEA
- Tomcat v10.1
- Google SMTP Mail Server
- Aiven Online Database

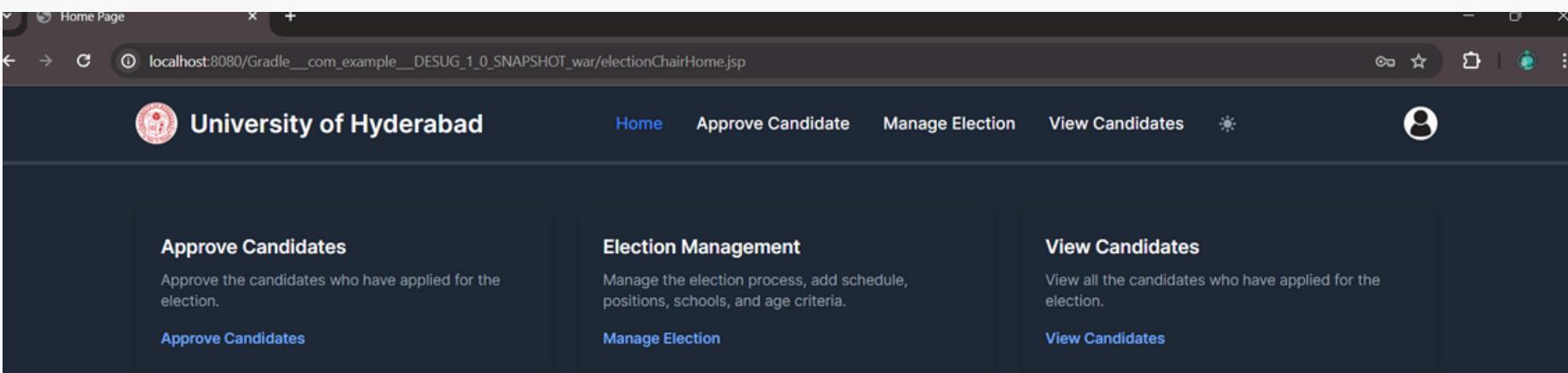
Technologies:

- HTML, CSS, JS
- tailwindcss
- Flowbite
- jQuery & AJAX
- Java Server Pages(JSP)
- Java Servlets
- MySQL(DBMS)

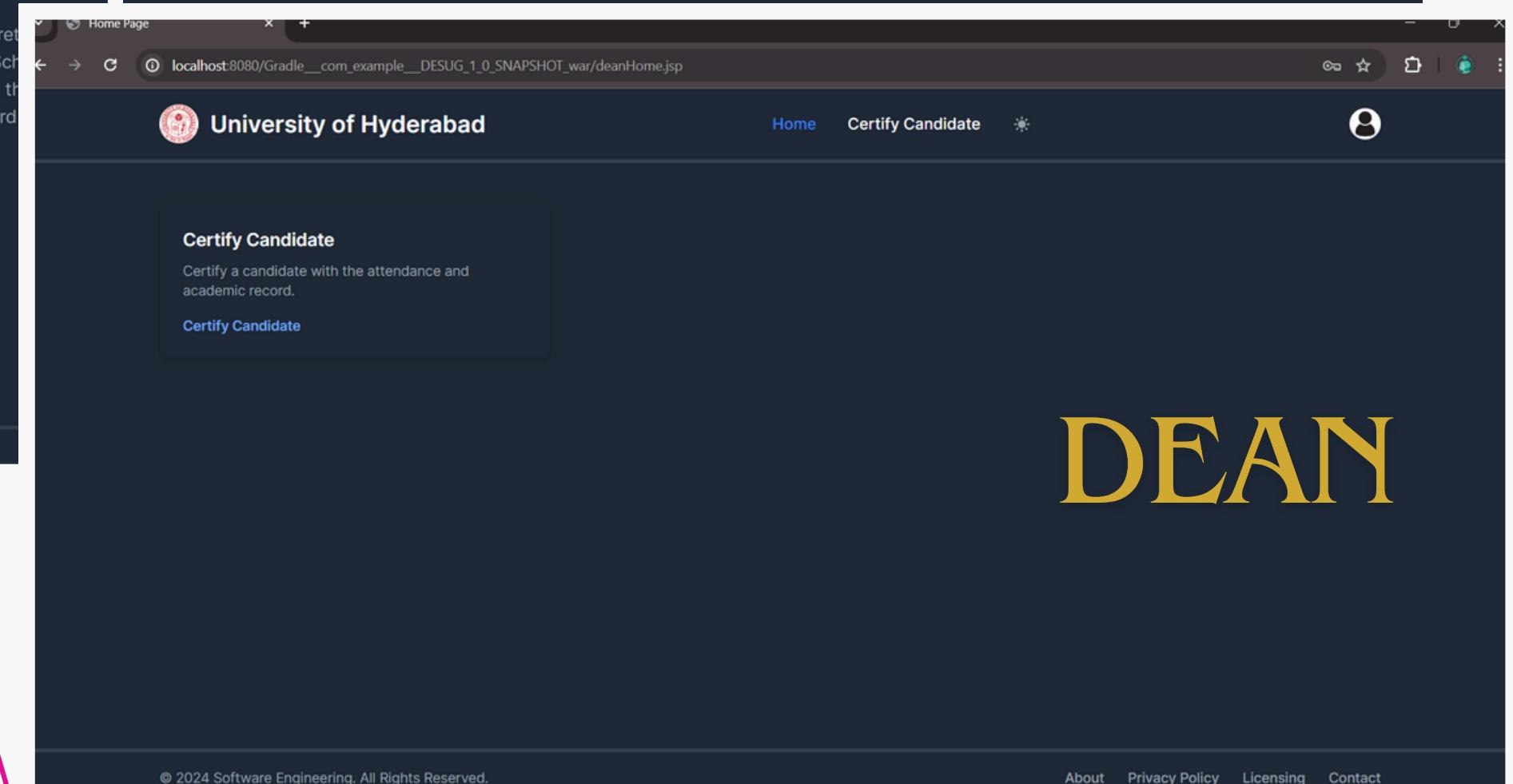
Design & Implementation



The screenshot shows the homepage of the University Electoral System. At the top, there is a navigation bar with the University of Hyderabad logo, Home, File Nomination, Withdraw Nomination, and a Login button. Below the navigation bar, the title "Welcome to the University Electoral System" is displayed. A large, stylized graphic titled "ONLINE STUDENT NOMINATIONS ELECTIONS" features several people interacting with laptops and mobile devices. To the right of the graphic, text details the election schedule for the year 20XX - 20XX, mentioning positions like President, Vice-President, General Secretary, Joint Secretary, Cultural Secretary, Sports Secretary, Councillors, and School Board Members. A "Learn More..." button is located at the bottom of this section. The main title "HOMEPAGE" is prominently displayed in large gold letters. At the bottom, there is a footer with links to About, Privacy Policy, Licensing, and Contact, along with a copyright notice: "© 2024 Software Engineering. All Rights Reserved."



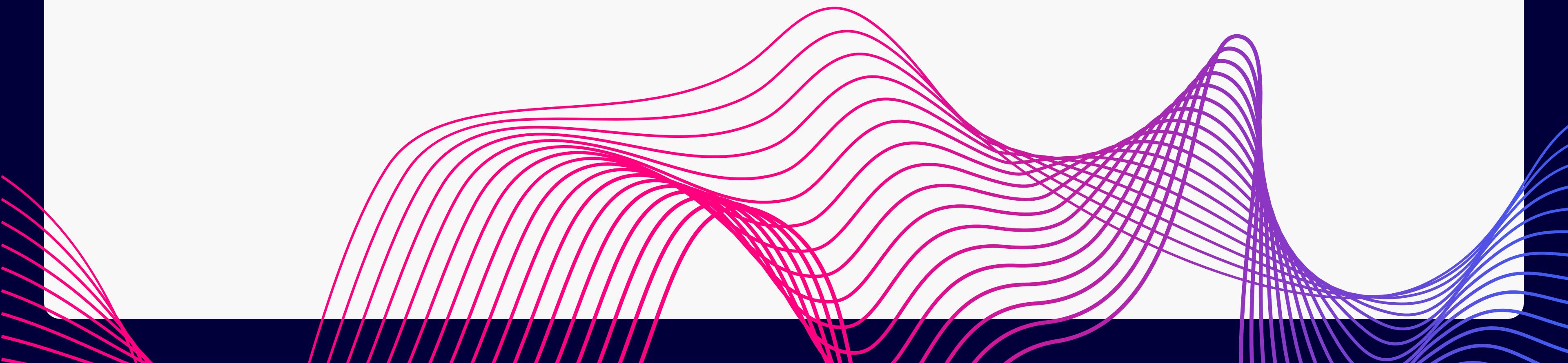
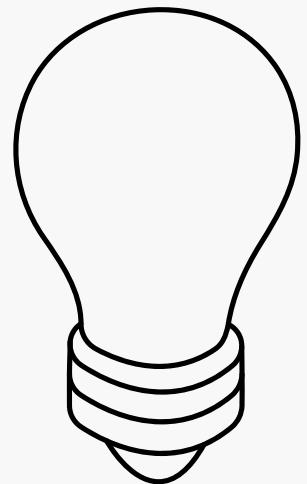
The screenshot shows the "electionChairHome.jsp" page. The header includes the University of Hyderabad logo and links for Home, Approve Candidate, Manage Election, View Candidates, and a user profile icon. The main content area is titled "ELECTION CHAIR". It contains three sections: "Approve Candidates" (with a link to "Approve Candidates"), "Election Management" (with a link to "Manage Election"), and "View Candidates" (with a link to "View Candidates").



The screenshot shows the "deanHome.jsp" page. The header includes the University of Hyderabad logo and links for Home, Certify Candidate, and a user profile icon. The main content area is titled "DEAN". It contains one section: "Certify Candidate" (with a link to "Certify Candidate"). At the bottom, there is a footer with links to About, Privacy Policy, Licensing, and Contact, along with a copyright notice: "© 2024 Software Engineering. All Rights Reserved."

Apportioning Requirements And Future Enhancements

- Secured Voting Platform --
- Real-time Monitoring --
- Comprehensive Reports Generation --
- Multiple Election Management --



Conclusion

- The application provides a seamless user experience after it is fully developed.
- Extend for use by any institution/organization.

References:

- gadmin.uohyd.ac.in/all-notices/
- www.ugc.gov.in/oldpdf/students_pdf/lyngdoh_committeemhrd2712.pdf

THANK
YOU