

**SALIM HABIB UNIVERSITY**



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**Department of BS Computer  
Science**

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# Project Proposal: Voting System

## Description:

The proposed project aims to develop a voting system that ensures the integrity and confidentiality of the voting process. The system will allow registered voters to participate in elections from the comfort of their homes using their National Identity Card (NIC) numbers. It will also provide administrators with tools to manage the elections efficiently, including vote counting, result announcements, and the ability to end the elections when necessary.

## Implementation:

### *1. User Authentication:*

- Voters will log in using their NIC numbers.
- If a voter's NIC number is not registered, they will be prompted to register before voting.

### *2. Voting Process:*

- Voters will have the option to select their province from the available choices.
- Within each province, they will choose their preferred candidate.
- Once a vote is cast, the system will not allow the voter to retry or change their selection.

### *3. Admin Functions:*

- Admins can monitor the vote counting process in real-time.
- They can announce results, with the candidate receiving the highest number of votes given the highest priority.
- Admins have the authority to end the elections when required, ensuring control over the process.
- Admins will have a separate login with a passcode for access to administrative functionalities.

### *4. End of Elections:*

- Once the elections are concluded, the system will display a message indicating that the voting has ended.
- Registered voters will no longer be able to log in or cast their votes.

## **Technical Implementation:**

- Structures
- Filing
- Using of functions
- Global Variables

## **Conclusion:**

The proposed voting system offers a convenient and way for voters to participate in elections while providing administrators with the necessary tools to manage the process effectively. By prioritizing security and user accessibility, the system aims to enhance the integrity and transparency of the electoral process.