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EXP NO: 1A   FUNCTIONAL REQUIREMENTS FOR ONLINE VOTING SYSTEM

AIM:

　　　To perform analysis of the given problem statement for listing the functional requirements of the online voting system

PROBLEM STATEMENT:

i) Current offline voting system status:

Today, only about 1 percent of the population votes at polling places on hand counted paper ballots, but this figure is misleading. There are many elections conducted on optical mark-sense ballots that are actuallyhand counted, and many jurisdictions that use lever voting machines process absentee ballots by hand.

ii) New technology:

Today, an increasing fraction of the direct-recording electronic voting machines on the market include provisions to network all of the voting machines in one polling place. This allows each machine to store votetotals in the memory of the others, and at the close of the polls, it allows a single report for the entire precinct to be created instead of one report for each machine.

ONLINE VOTING SYSTEM:

Online voting systems protect the integrity of the vote by preventing voters from being able to vote multiple times. As a digital platform, they eliminate the need to gather in-person, cast votes using paper orby any other means. Online voting is a digital platform which allows the groups to conduct voting securely, High quality systems balance ballot security, accessibility, and overall requirements.

FUNCTIONAL REQUIREMENTS:

➢ **Admin:** This use case is the starting point for any interaction with the information system. It is a general use case specialized for organizers, i.e. "Authorize organizer" and users i.e. "Authorize user".

- ➤ **Manage Election Districts:** Create, view and modify different sets of election districts for one or more election procedures.
- ➤ **User-Interface:** The system shall provide an easy-to-use user-interface. Also, it shall not disadvantage any candidate while displaying the choices (e.g., by requiring the user to scroll downto see the last few choices).
- ➤ **Manage electronic units:** Import, insert, view and modify electors for one or more election procedures.
- ➤ **Support for Disabled Voters:** The system shall cater to the needs of physically challenged voters(e.g. blind voters).
- ➤ **Eligibility:** Only authorized voters, who are registered, should be able to vote.
- ➤ **Voter Confirmation:** The voter shall be able to confirm clearly how his vote is being cast, and shall be given a chance to modify his vote before he commits it.
- ➤ **Provisional Ballots:** The voter shall be able to vote with a provisional (electronic) ballot if he has some registration problems, which could be counted if verified by the authorities later.

 Documentation and Assurance: The design, implementation, and testing procedures must be welldocumented so that the voter-confidence in the election process is ensured.

RESULT:

The given problem statement is analyzed and various functional requirements are listed.