**Involved Entities :**

* Returning Officer
* Voters
* Candidates
* Polling Station
* Vote

**Assumptions :**

* Returning officers are already registered as voters by the ECI.
* Electoral roll has already been released by the ECI along with the election schedule.

**Requirements :**

* Candidate must be registered and verified by the Returning Officer of that constituency in which he wishes to contest.
* Candidate must be a voter.
* The eligible citizens can register to vote via the Returning Officer of their constituency.
* Voters can vote at any polling station .
* Voters must provide their voter id cards at the polling station and use fingerprint scan to cast vote.
* Every polling station is assigned a unique polling id to gather information about the voters who voters at that station.
* Every vote has a unique vote id which will be used in calculating vote count.

**Reports :**

* List of political parties participating.
* List of successful candidates.
* Number and type of constituencies(**caste based**).
* State wise candidate data.
* Constituency wise summary(**voter turnout, no. of polling stations, contestants,voters**).
* State-wise no. of electors.
* State-wise participation of overseas electors.
* State-wise voter turnout.
* State-wise seats won.
* Performance of state parties.
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* Political parties wise seats won.
* Performance of state parties.
* Performance of Registered Unrecognized Parties(RUPs).
* Participation of **women** electors.
* Participation of **women candidates.**
* Participation of **women** in National Parties.
* Participation of **women** in state parties.
* Participation of **women** in RUPs.
* Participation of **women** as independent candidates.
* Winning candidate analysis.
* Details of assembly segment of PC.
* Voting patterns based on age group(constituency and state wise).
* Voting patterns based on literacy.
* Voting patterns based on Income group.
* Voting patterns based on religion.
* Voting patterns based on ethnicity.
* Polling station reports(Total voters, electors from PC, electors from outside PC).