**Mobile App Development (ELC001)**

**Voting Poll App**

**Name-** Harsh Jain

**RollNo-** 102103432

**Branch-** COE

**Batch-**1CO16

**Problem Statement-** Build an android/iOS application which allows users to vote among the choices given to them. The votes casted by the user should be stored in a database. The permission to vote is given only to those people who have a valid id and password.

**Need for the application**

While there are prerogatives like EVM machines for major election processes and utilities like Google Forms for minor ones, there have been numerous instances of abysmal security issues. Moreover, voting in applications like Google forms can simply be altered if a user creates multiple ids to cast his vote for a particular candidate. In European countries, the system of Ballot Paper is used for voting which wastes about 150 metric tons of paper (according to Von der Leyen Commission), harming the environment.

**How my application solves the above problems?**

Data security, easy-to-use interface, transparency, data control, ui design are some features that makes my application unique. The votes can be cast by only those people who have a valid id and password which has been generated by the admin using the firebase console. Once a user casts his vote, he/she can no longer cast any other votes. Users can view the current status of the votes after they have cast theirs. This feature was added so as to make the voting process transparent. The result page gets updated automatically as the votes are cast.

**App Screenshots**







