

IDEATION PHASE

Define The Problem Statement

TEAM ID	NM2023TMID04400
PROJECT NAME	BIOMETRIC SECURITY SYSTEM FOR VOTING PLATFORM

Problem Statement

- Voting is a way that make peoples nowadays to have the right for make decision.
- The decision of every participant will be collected, and the final decision will make through the result of the vote.
- Voting is very common in our real life from deciding the lunch with friend up to election for the leader of the country.
- But there is some problem and issue to the voting system, especially for the traditional voting system.

The problems of the traditional manual voting system are

1. Mobility: In traditional following: voting system, the voters are required go to specific location to make their vote.

2. Time consuming: Besides from mobility, the voter also needs to spend the time on queueing at the vote station. In addition, a lot of time is needed to make the preparation and calculation result for voting.

3. Verifiability: Voters do not know whether their votes have been counted in the result or not.

4. Uniqueness: It cannot make sure that all voters only vote once in voting process.

5. Fairness: Because there may have some errors will occur, such as the error when calculate the result, the error when identification the voter, some voter not able to vote, some fake voters able to vote and some voter may make multiple votes.

- Besides, when these problems occur in government election for a country. That will make a big trouble to citizen and government.
- This is because the citizen might not agree to the result which are loss of fairness and some citizens abandon to vote just because it is took a lot a time.
- Government needs to spend a lot of time and manpower during every election.
- To overcome those problems, a biometric e-voting system can be solving it perfectly.
- The biometric identification is the most secure method to identity the voter.
- On voting day, the voter can use the e-voting system to make their vote at anyplace and anytime.
- But biometric identification is required to checking the voter is qualified or not, if the voter is not qualified, the system will deny this vote.
- Hence this system can solve those problem significantly, make the vote process become more accuracy, more secure and less time consume.



