

# DEFINE PROBLEM/PROBLEM UNDERSTANDING

## LITERATURE SURVEY

TEAM ID	NM2023TMID04400
PROJECT NAME	BIOMETRIC SECURITY SYSTEM FOR VOTING PLATFORM

### Literature Review on Aadhar Based Secure Biometric Voting Machine:

#### I. INTRODUCTION

- Election is the act of party casting votes to elect on individual for some type of position.
- Election may involve a public or private vote depending on the position.
- Most position in the local, state, and federal governments are voting on in some type of election
- The person at the booth should show his Finger. This Finger print reader reads the details from the database.

#### II. RELATED WORK

“VOT-EL: Three Tier Secured State-Of-The-Art EVM Design Using Pragmatic Fingerprint Detection Annexed With NFC Enabled Voter -ID Card”

- Proposes a new state-of-the-art Electronic Voting Machine design in search for election legitimacy, to provide an inexpensive solution which is based on pragmatic biometric system using fingerprint detection along with inclusion of Near-Far Communication technology.
- NFC cards for the identification purpose of the voters, which is a short range radio communication wireless technology.
- Proposed a secure online voting system by utilizing the concept of biometric and steganographic authentication.

- Homomorphic technique encrypts the casted vote stored and decrypts it during the results

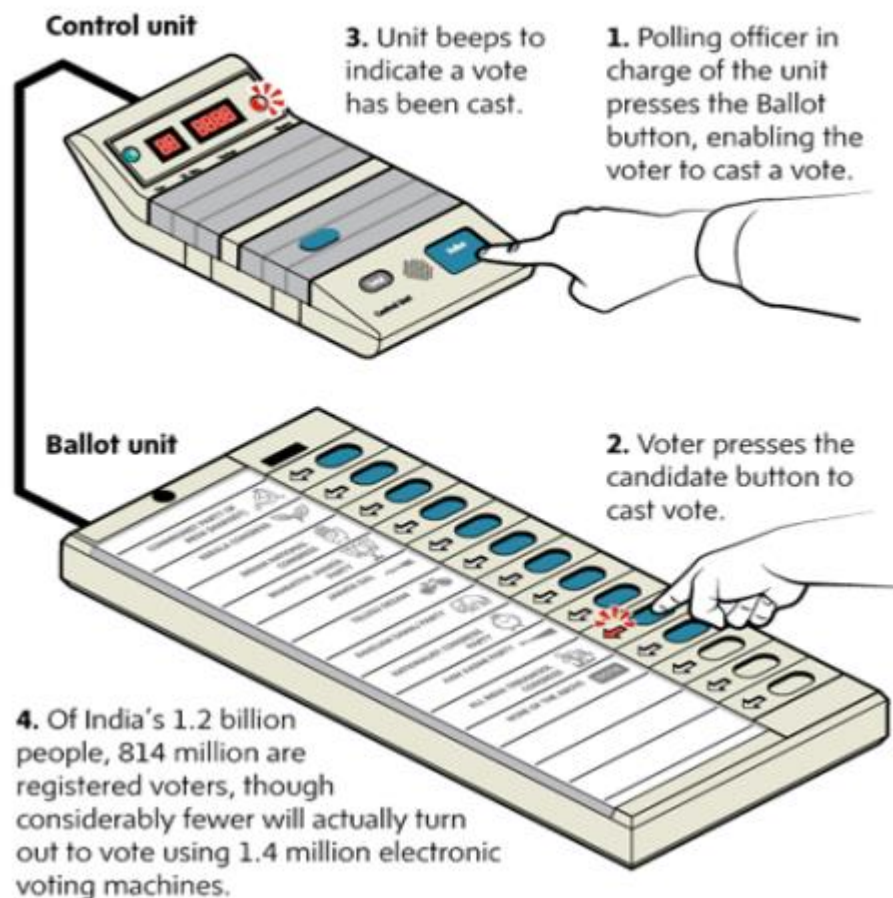
### III. METHODOLOGY

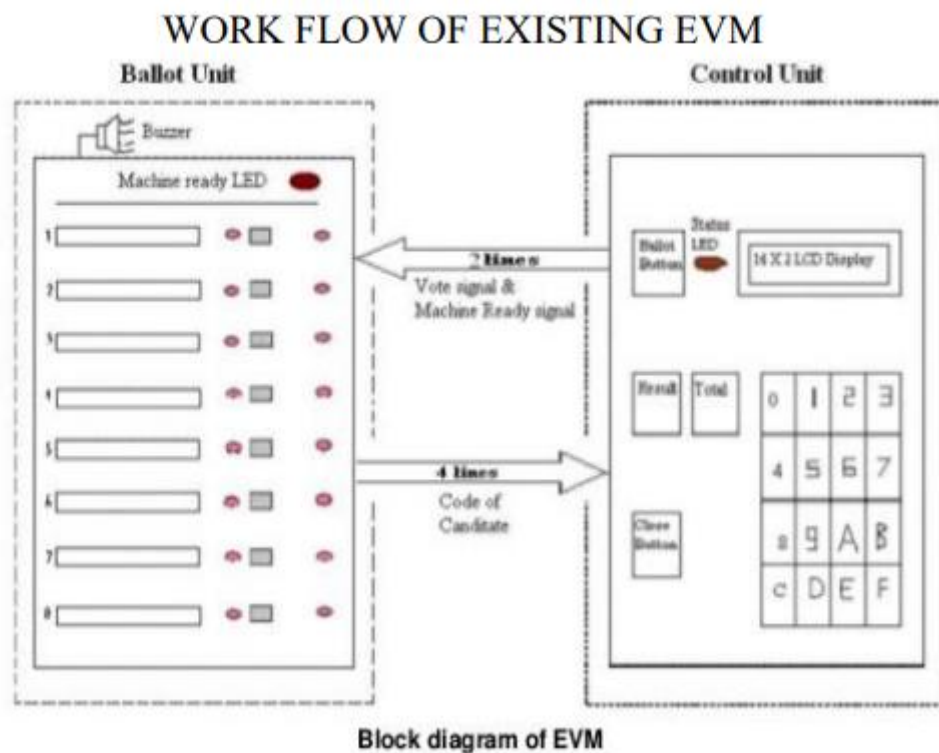
#### UNIQUE FEATURES

1. Simple machine, can be operated easily by both polling personals and the voters.
2. Sturdy and able to withstand rough handling and variable climatic conditions.
3. Standalone machine without network connectivity. Due to this, nobody can interfere with its programming and manipulate the results.
4. Does not run on electricity but on alkaline batteries. So can work with erratic/absent power supply.

#### EXISTING EVM MACHINE

##### THE ELECTRONIC VOTING MACHINE





#### IV. IV. RESULTS AND DISCUSSION

##### INCEDENTS HAPPENED REGARDING EVM

Very recently the elections are held to Buldhana Zilla Parishad from Lonar, Sultanpur in that, every time the voter pressed symbol of Coconut allotted to the candidate, the LED of Bharatiya Janata Party's Lotus used to flash

