# Functional Requirements

# **Voter Registration**

# Voter Information Collection

# The system shall allow eligible voters to provide their personal information.

# The system shall validate and verify voter information against official records.

# Voter Authentication

# The system shall authenticate voters through secure means such as biometrics, OTPs, or digital signatures.

# **Candidate Registration**

# 1.Candidate Information Collection

# The system shall allow candidates to provide their personal and campaign information.

# **Ballot Creation**

# 1.Ballot Setup

# The system shall allow election administrators to create, customize, and configure the ballot for each election.

# **Voting Process**

# 1.Casting Votes

# The system shall allow registered voters to cast their votes securely.

# The system shall ensure that each voter can vote only once.

# **Results**

# 1. Tallying and Reporting

# The system shall automatically tally votes and generate election results.

# **Security**

# 1.Access Control

# The system shall implement access controls to restrict unauthorized access.

# 2.Data Encryption

# The system shall encrypt sensitive voter and election data to ensure confidentiality.