**Detailed Process Flow**

1. **Registration Phase:**

**Fingerprint Enrollment:** Employees and voters are enrolled by capturing their fingerprints twice and storing them with unique IDs.

**Digital Slip Simulation:** After successful enrollment, a simulated digital slip message is sent prompting the voter to select their preferred slot (initially, all select Slot 1).

1. **Voting Phase:**

**Digital Slip & Reminders:**

On election day, voters receive an SMS (or simulated message) showing their assigned voting slot.

Voters who do not vote receive periodic reminders and are re‑allocated to subsequent shifts.

**Shift Allocation:**

**Shift 1 (9–11 AM):** Voters who selected Slot 1 vote normally.

**Shift 2 (11–1 PM):** Remaining voters are re‑allocated; cheating cases (e.g., Employee 2 with Voter 6) are flagged.

**Shift 3 (1–3 PM):** Further re‑allocation occurs; impersonation attempts are flagged.

**Shift 4 (3–4 PM):** Final slot for remaining valid voters.

**Polling Station Process:**

**Entry Verification:** The employee (via fingerprint sensor 1) and the voter (index fingerprint) are authenticated.

**Vote Selection:** The voter selects their party using push buttons.

**Vote Confirmation:** The voter re‑verifies (via fingerprint sensor 2, thumb scan).

**Cheating/Error Handling:** Mismatches or duplicate votes trigger error messages, activate the buzzer along with the red LED, and flag the incident.

**Post-Voting:**

Non‑voters receive reminder messages until the end of the election.

After 4:00 PM, votes are tallied, the winning party is declared, and incentive messages are displayed for those who voted.