

## SOCIAL OR BUSINESS IMPACT

DATE	20 SEPTEMBER 2023
TEAM ID	NM2023TMID02213
PROJECT NAME	BIOMETRIC SECURITY SYSTEM FOR VOTING PLATFORM
MAXIMAM MARKS	4 MARKS

Implementing a biometric security system for a voting platform can have both social and business impacts. Here are some potential effects:

### Social Impact:

#### 1. Enhanced Security:

- **Positive Impact:** Biometric systems can enhance the security of the voting process by ensuring that only eligible and authenticated individuals can cast their votes.
- **Concerns:** There might be concerns related to the potential misuse of biometric data, raising privacy issues and the risk of unauthorized access.

#### 2. Reduced Voter Fraud:

- **Positive Impact:** Biometrics can significantly reduce the chances of voter fraud, such as impersonation, as it is difficult to fake or replicate biometric identifiers.
- **Concerns:** Issues related to false positives or false negatives could lead to legitimate voters being denied their right or unauthorized individuals casting votes.

#### 3. Inclusive Access:

- **Positive Impact:** Biometric systems can provide more accessible voting options for individuals with disabilities who may find traditional voting methods challenging.

- **Concerns:** Ensuring that the biometric system is inclusive and accessible to all demographics is essential to prevent any form of discrimination.

#### 4. **Public Trust:**

- **Positive Impact:** A secure and transparent biometric voting system could enhance public trust in the democratic process, as voters may have increased confidence in the accuracy and fairness of the election.
- **Concerns:** Any glitches, breaches, or controversies related to the biometric system could erode trust and confidence.

### **Business Impact:**

#### 1. **Investment and Implementation Costs:**

- **Positive Impact:** Companies providing biometric solutions stand to gain business opportunities as governments or organizations invest in upgrading their voting systems.
- **Concerns:** High implementation costs and potential technical challenges may be barriers to adoption.

#### 2. **Market Growth:**

- **Positive Impact:** The biometric technology market may experience growth with increased demand for secure voting systems, potentially leading to innovation and competition among technology providers.
- **Concerns:** Ensuring standardization and interoperability among different biometric systems may be challenging.

#### 3. **Data Security and Compliance:**

- **Positive Impact:** Companies with robust data security measures and compliance with privacy regulations can build trust and credibility in the market.
- **Concerns:** Violations of privacy regulations or data breaches can lead to legal consequences and damage the reputation of the technology providers.

#### 4. **Economic and Social Stability:**

- **Positive Impact:** Secure and fair elections contribute to political stability, which, in turn, can positively impact the economic and social landscape of a region.
- **Concerns:** If the biometric system fails or is compromised, it could lead to instability, public unrest, and economic consequences.

In summary, while the implementation of a biometric security system for a voting platform has the potential to enhance security and trust, careful consideration of social, ethical, and technical factors is essential to mitigate concerns and ensure a positive impact on both society and businesses involved in the development and deployment of such systems.