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REVIEWER'S REPORT

Manuscript No.: **IJAR-57009**

Title: The Role of Artificial Intelligence and Deepfakes in Disinformation and Electoral Security in India

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision ...✓✓.....

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			✓	
Techn. Quality				✓
Clarity			✓	
Significance		✓		

Reviewer's ID: JPR- **098**

Detailed Reviewer's Report

Decision: Accept after Major Revision

1. Summary of the Work

The manuscript explores the impact of Artificial Intelligence (AI) and deepfake technology on disinformation and electoral security in India. It discusses how AI-generated content can manipulate public opinion, spread misinformation, and undermine democratic processes. The study also highlights detection mechanisms, legal frameworks, and the importance of digital literacy in mitigating these threats.

2. Scope & Relevance

The topic is **highly relevant and timely**, especially considering the increasing role of AI in political communication and cybersecurity. The manuscript aligns well with current research trends in:

- Cybersecurity

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- AI ethics
- Electoral integrity

3. Originality

- The manuscript presents a **general overview** of AI and deepfakes in elections.
- It lacks **novel contributions**, such as:
 - New models
 - Experimental validation
 - Case study-based insights

4. Technical Quality

- The methodology is **weakly defined**.
- No clear:
 - Dataset description
 - Experimental setup
 - Model implementation
- Statements like “surveys may also be used” indicate **lack of actual execution**.

5. Methodology

- The study claims both **qualitative and quantitative approaches**, but:
 - No survey results are presented
 - No statistical outputs are shown
 - No validation techniques are applied

6. Results & Discussion

- The “Results and Discussion” section is mostly **theoretical explanation** rather than actual results.
- No:
 - Graphs
 - Tables
 - Performance metrics

7. Clarity & Presentation

- The manuscript is **moderately understandable**, but:
 - Contains **grammatical errors**
 - Repetitions (e.g., defamation section repeated conceptually)
 - Poor sentence structure in multiple places

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8. Significance

- The topic is important, but due to:
 - Lack of experimentation
 - Limited novelty
 - Weak methodology

9. References

- References are **recent and relevant (2024–2026)**
- However:
 - Some are **incomplete or improperly formatted**
 - Over-reliance on secondary sources

10. Strengths

1. Relevant and emerging topic
2. Good conceptual coverage of AI & deepfakes
3. Inclusion of legal and societal perspectives

11. Weaknesses

1. No experimental validation
2. Weak and unclear methodology
3. Lack of originality
4. No quantitative results
5. Language and grammatical issues
6. Repetitive content

13. Required Revisions (Mandatory)

The authors must:

1. **Clearly define methodology**
 - Provide dataset details
 - Explain data collection process
2. **Include experimental analysis**
 - Use ML/AI models (e.g., deepfake detection models)

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- Provide evaluation metrics (Accuracy, Precision, Recall, F1-score)
- 3. **Add results with evidence**
 - Tables, graphs, comparisons
- 4. **Improve originality**
 - Include case studies (e.g., Indian elections)
 - Provide novel insights or framework
- 5. **Improve language quality**
 - Grammar correction
 - Remove redundancy
- 6. **Refine structure**
 - Separate literature review
 - Improve discussion clarity