



AI for Electoral Integrity & E-Governance

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**AT THE 3-DAY NATIONAL SUMMIT ON ARTIFICIAL
INTELLIGENCE AND ROBOTICS BY THE NIGERIA COMPUTER
SOCIETY**

Katsina, 14th April, 2025



INTRODUCTION

- Credible elections are the foundation of democracy
- Technology is reshaping electoral processes
- AI is driving a new era of governance
- Need for transparency, speed, and trust

What is Artificial Intelligence (AI)?

- Systems that learn from data
- Recognize patterns and trends
- Make intelligent decisions
- Enable predictive capabilities

Why AI Matters in Governance

- Enhances service delivery
- Improves transparency and accountability
- Enables data-driven decisions
- Supports proactive governance

Electoral Challenges in Nigeria

- Identity fraud and multiple registrations
- Logistical inefficiencies
- Delays in result collation
- Cybersecurity threats
- Public trust concerns

AI in Voter Registration

- Detection of duplicate entries
- Biometric verification (facial recognition)
- Automated data cleansing
- Continuous register updates

AI in Voter Accreditation

- Smart verification systems (e.g., BVAS)
- Faster and more accurate validation
- Reduced human interference
- Improved credibility

AI in Result Management

- Detection of anomalies
- Real-time result validation
- Transparent result systems
- Improved public confidence

AI in Election Monitoring

- Predictive risk analysis
- Geo-spatial intelligence
- Real-time incident tracking
- Early warning systems

INEC Digital Innovations

- BVAS (Bimodal Voter Accreditation System)
- IReV Portal for transparency
- Electronic transmission of results
- Commitment to continuous innovation

AI in E-Governance

- Automation of public services
- AI-powered citizen engagement (chatbots)
- Data-driven policymaking
- Improved government efficiency

E-Governance & Digital Public Infrastructure (DPI)

- INEC public portal (www.inecnigeria.org)
- Online Voter Registration Portal (CVR): Launched in 2021 to allow mobile data updates and reduce physical congestion
- In-house Portals:
 - Candidate Nomination Portal
 - Observer Group & Media Accreditation Portals
 - Political Party Polling Agent Portal
- Efficiency: Streamlining government processes through technology to drive productivity and service delivery

Benefits of AI Adoption

- Increased transparency
- Operational efficiency
- Cost reduction
- Strengthened public trust

Future Outlook

- Fully AI-enabled elections
- Real-time governance systems
- Citizen-centric digital services
- National digital resilience

Risks and Ethical Considerations

- Data privacy concerns
- Algorithmic bias
- Digital divide
- Potential misuse of AI

Cybersecurity Considerations

- Protection of electoral infrastructure
- Threat detection systems
- Secure data management
- Continuous monitoring

Capacity Building

- Training of electoral officers
- AI literacy development
- Collaboration with academia
- Partnerships with tech organizations

Future of Elections in Nigeria

- Fully digital electoral processes
- Real-time transparency
- Increased citizen participation
- Stronger democratic institutions

Conclusion: A Prosperous and Inclusive Future

- INEC remains committed to "exploring additional areas of the election process" through AI
- AI is key to credible elections
- Technology enhances trust & transparency
- Nigeria is positioned for leadership in Africa
- "By embracing these technologies, we can accelerate our journey towards a prosperous and inclusive future."



INEC

