PRESIDENCY UNIVERSITY
PRESIDENCY SCHOOL OF INFORMATION SCIENCE
MCA PROJECT 2025
ABSTRACT REVIEW FORM

Project No: MCA_PR212	Name: Vijita Narayan Nayak	Section: 4MCA02
Project Title: AI-Driven Fraud Detection: Securing Banking Transactions		

ABSTRACT

AI-driven fraud detection is a cutting-edge solution that enhances the security of banking transactions by utilizing machine learning and artificial intelligence. By analyzing large volumes of transaction data in real-time, the system identifies suspicious activities and detects potential fraud with high accuracy. It leverages advanced algorithms that adapt to emerging threats, continuously learning from transaction patterns, user behavior, and anomalies to minimize false positives and ensure legitimate payments proceed smoothly.

The system enables real-time alerts and automated responses, allowing financial institutions to take immediate action in blocking fraudulent transactions. It integrates seamlessly with existing banking systems while ensuring fast processing times and robust data security. Additionally, the AI-driven platform continuously evolves to counter new fraud tactics, ensuring that both banks and customers are protected from evolving threats. This dynamic solution also prioritizes regulatory compliance, offering transparent transaction monitoring for improved security and operational efficiency.

Keywords: AI-driven, Fraud detection, Machine learning, Banking transactions, Anomaly detection, Transaction security, Automated responses, Data security ,Fraud prevention

Criteria	**Rating (1 to 5)**
Clarity of the Problem Statement	
Relevance of the Project	
Objectives	
Innovation and Originality	
Suitability for Research Publication	

Overall Assessment	**Comments**
Strengths of the Abstract:	
Weaknesses or Areas for Improvement:	
Recommendations	Approve ☐ Revise ☐ Reject ☐
Supervisor's Signature with Name	_____
Date:	_____