



# DMI ENGINEERING COLLEGE

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## Department of Artificial Intelligence & Data Science PROJECT REVIEW REPORT

### Student Details:

- **Student Name :** Arun Maniyan .S(960622243004), Murugan.V(960622243020).  
Kajenthiran .K(960622243016).
- **Programme & Branch :** B.Tech / Artificial Intelligence & Data Science
- **Year & Semester :** IV Year / VIII Semester
- **Academic Year :** 2025 – 2026

### Project Details:

- **Project Title :** PIPDYNAMICS AN AI-BASED FOREX MARKET ANALYSIS & TRADING RECOMMENDATION SYSTEM
- **Project Domain :** Financial Technology
- **Guide Name & Designation :** Mrs.M.R.Geetha & Assist Prof
- **Review Number :** 2<sup>nd</sup>
- **Date of Review :** 04/02/2026

### Objectives of the Project:

- To design an AI-driven system for analyzing foreign exchange (forex) market data.
- To predict forex price movements using machine learning-based models.
- To generate automated and reliable trading recommendations
- To reduce dependency on manual and paper-based verification.

### Work Carried Out (Since Last Review):

- **Literature Survey completed:** YES
- **Problem definition and requirement analysis:** Completed
- **Design / Implementation / Testing (tick as applicable)** : Implementation *Add details if required:*

### Methodology / Tools Used:

- **Programming Language:** JavaScript / Python
- **Tools / Frameworks :** MetaTrader, Scikit Learn, VS code.
- **Database / Platform:** MT5 (Meta Trader 5)



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## Progress Status:

Percentage of Completion: 90%

1. **Modules Completed:**
  - a. Collection and preprocessing of historical forex market data.
  - b. Integration of live forex price data from trading platforms.
  - c. Generation of forex price movement predictions.
  - d. Feature extraction and quantitative analysis using ml models
  - e. Automated trading recommendation generation (Buy/Sell/Hold).
  - f. Display of real-time predictions and recommendations through the user interface.

- **Output / Results:** 80% Completed

## *Add details if required:*

- **Difficulties / Constraints Faced:**
  - a. Understanding forex market dynamics and trading concepts was challenging at the initial stage.
  - b. Integrating machine learning with live data.

**Plan for Next Review :** Complete integration , testing and UI

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## **Guide's Remarks:**

**Review Committee Decision:**  Satisfactory       Needs Improvement       Repeat Review

**Marks:**    /

**Project Guide Sign**

**HOD Sign**

