Subject: 2nd International Conference on Software, Systems and Information Technology (SSITCON-2025) : Submission (1676) has been created.

Microsoft CMT *<noreply@msr-cmt.org>*   Mon, Oct 13,
to sunilkhemka.tech

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Hello,

The following submission has been created.

Track Name: SSITCON2025

Paper ID: 1676

Paper Title: Stock Market Price Prediction using Neural Prophet with Deep Neural Network

Abstract:
Stock market price prediction is a significant interdisciplinary research domain that depen
the intersection of finance, statistics, and economics. Forecasting stock prices accurately
always been a focal point for various researchers. However, existing statistical approaches
time-series prediction often fail to effectively forecast the probability range of future s
prices. Hence, to solve this problem, the Neural Prophet with a Deep Neural Network (NP-DNN
proposed to predict stock market prices. The preprocessing technique used in this research
score normalization, which normalizes stock price data by removing scale differences, makin
patterns easier to detect. Missing value imputation fills gaps in historical data, enhancin
model's use of complete information for more accurate predictions. The Multi-Layer Percepti
(MLP) learns complex nonlinear relationships among stock market prices and extracts hidden
patterns from the input data, thereby creating meaningful feature representations for bette
prediction accuracy. The proposed NP-DNN model attained an accuracy of 99.21% when compared
other existing approaches using the Fused Large Language Model (LLM), respectively.

Created on: Mon, 13 Oct 2025 16:11:00 GMT

Last Modified: Mon, 13 Oct 2025 16:11:00 GMT

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Secondary Subject Areas: Not Entered

Submission Files:
    Abhishek (Piyush student)- SSITCON2025.docx (94 Kb, Mon, 13 Oct 2025 16:08:12 GMT)
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