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(71)**Name of Applicant :**
**1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY**
Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Uttar Pradesh India
(72)**Name of Inventor :**
**1)MR. K PRABHANJAN KUMAR**
**2)MR RAM KUMAR SHARMA**
**3)MR. VIKRANT MALIK**
**4)MR ANKUR KUMAR VARSHNEY**
**5)DR RITESH RASTOGI**
**6)VANSH DESHWAL**
**7)PRANJAL DUBEY**
**8)DEV VERMA**
**9)LOVEKESH CHAUHAN**

(57) Abstract :
ABSTRACT Disclosed herein is an intelligent time series-based profit prediction system (100) for stock market forecasting, the system (100) comprising a user interface (104) integrated into a user device (102) and configured to collect historical stock price data from multiple data sources, a communication network (106) configured to establish a link for seamless data transmission within the system (100), a processing unit (108) operatively coupled to the user device (102) via the communication network (106) and configured to analyze the historical stock price data in real-time for generating stock market forecasts , wherein the processing unit (108) further comprises a data acquisition module (112), a preprocessing module (114), a feature extraction module (116), a statistical configuration module (118), a temporal learning module (120), a forecast generation module (122), an evaluation module (124) and an output module (128).

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