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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 Gautam Buddha Nagar -----

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)MR. KUNAL CHAUDHARY
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
2)MR. HARSH GARG
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
3)MR RAM KUMAR SHARMA
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
4)DR AMBA MISHRA
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
5)MR. K PRABHANJAN KUMAR
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
6)MR KARAN SINGH
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
7)MR. SHRAVAN KUMAR YADAV
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----
8)MS NIDHI CHAUHAN
 Address of Applicant :NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----

(57) Abstract :
 Disclosed herein is a cryptocurrency tracker system (100) comprises a front-end interface (102) configured to provide users with an interactive, real-time dashboard for monitoring cryptocurrency data. The system also includes an application programming interface (API) integration module (104) configured to fetch real-time cryptocurrency market data from external sources. The system also includes a chart rendering engine (106) configured to dynamically generate visual price trends and comparative graphs of one or more cryptocurrencies. The system also includes a secure user authentication module (108) configured to protect user credentials and enable secure login and session management. The system also includes a data storage backend (110) configured with PostgreSQL and Firebase Firestore, for storing user preferences, historical price data, and transaction logs. The system also includes a predictive analytics component (112) configured to calculate and estimate future cryptocurrency price trends based on historical and real-time data inputs.

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