(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/11/2023

(21) Application No.202311078113 A
(43) Publication Date : 29/12/2023

(54) Title of the invention : “SECURE AND TRANSPARENT SUPPLY CHAIN MANAGEMENT USING BLOCKCHAIN AND MACHINE LEARNING”

(51) International classification :G06Q0010080000, G06Q0030060000, G06Q0010060000, G06N0020000000, H04L0009320000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Noida Institute of Engineering and Technology
Address of Applicant :19, Institutional Area, Knowledge Park Il, Greater Noida, Uttar Pradesh, India Greater Noida ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Alisha Sikri
Address of Applicant :AIML department, 19, Institutional Area, Knowledge Park Il, Greater Noida, Uttar Pradesh – 201306, India Greater Noida ---------- ----------
2)Pitambar Adhikari
Address of Applicant :IT department, 19, Institutional Area, Knowledge Park Il, Greater Noida, Uttar Pradesh – 201306, India Greater Noida ---------- ----------
3)Dr. Preeti Gera
Address of Applicant :CSE department, 19, Institutional Area, Knowledge Park Il, Greater Noida, Uttar Pradesh – 201306, India Greater Noida ---------- ----------
4)Nisha
Address of Applicant :DS department, 19, Institutional Area, Knowledge Park Il, Greater Noida, Uttar Pradesh – 201306, India Greater Noida ---------- ----------

(57) Abstract :
“SECURE AND TRANSPARENT SUPPLY CHAIN MANAGEMENT USING BLOCKCHAIN AND MACHINE LEARNING”
The present invention provides a secure and transparent supply chain management using blockchain and machine learning. The system includes one or more electronic devices, a database, a server, and a processor that is adapted to receive product orders, and raw material supply at a destination by the dealer for another dealer; to create a private network between the destinations for sharing the information; to generate recommendations based on the requirements of the dealer; to create a private network for performing the transactions and to manage the transaction orders based on the selection by the dealer from the recommendations; to execute a smart contract between the destinations after creating the private network; to create an entry in the database after the smart contract is executed between the destinations; and to generate and send a real-time alert to electronic device. Figure 1

No. of Pages : 20 No. of Claims : 7