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<p>(51) International classification :H04L0009320000, G06Q0010080000, H04L0029060000, H04L0009060000, G06Q0010060000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)SHARMA, Ishu Address of Applicant :Assistant Professor - Research, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)MALIK, Tushar Address of Applicant :B.E. (CSE) Batch 2021, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)SHARMA, Jagdeep Address of Applicant :Manager, Chitkara Alumni Association Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>4)KAUR, Arshnoor Address of Applicant :B.E. (CSE), Batch 2021, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>5)KAUR, Kirandeep Address of Applicant :B.E. (CSE) Batch 2021, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present disclosure provides for a system (100) and method to deploy a distributed ledger network also referred to as a blockchain network (102), the blockchain network including one or more blockchain nodes (104) owned and controlled by stakeholders of the supply chain system. This blockchain network (102) along with IoT sensors, provides an infrastructure to which data is recorded, shared and validated while maintaining data integrity. The system (100) provides a client interface to the blockchain network (102) that enables the supply chain stakeholder to initiate, negotiate and conclude smart contracts (118) on the blockchain (212), such smart contracts (118) being triggered by events captured and logged by IoT sensors. This makes for an efficient flow of goods in the supply chain system.

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