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(57) Abstract :

The proposed invention discloses a system to digitalize delivering of medical supplies including oxygen cylinders to hospitals. The system comprises a client module, a data storage engine, a RFID tag, and a RFID reader. The client module is installed in the mobile device of a hospital personnel and it is configured to place an order for oxygen cylinders to a retailer company. Upon receiving an order from the hospital, the retailer company confirms the order placed along with the delivery information. The client module is updated with the location of the oxygen cylinders. The oxygen cylinders are attached with RFID tags containing the information including the weight of the contents of the cylinder. When the oxygen cylinders are received by the hospital, the RFID reader scans the RFID tag to retrieve the oxygen cylinder information and upload the data to the data storage engine. In addition, all the data from the client module, delivery module, and the RFID tag is stored in the data storage engine and secured by blockchain technologies.

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