

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511054561 A

(19) INDIA

(22) Date of filing of Application :06/06/2025

(43) Publication Date : 20/06/2025

(54) Title of the invention : A DEVICE FOR AUTOMATIC INVENTORY REORDERING BASED ON DEMAND FORECASTING

(51) International classification :G06Q10/087, G06Q10/00,
G06Q10/04
(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 & TECHNOLOGY
Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater
Noida – 201306, Uttar Pradesh, India. -----
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)HARSH AWASTHI
Address of Applicant :Department of Management, Noida Institute of Engineering
& Technology, Greater Noida. Greater Noida -----

(57) Abstract :

The invention relates to a device for automatic inventory reordering comprising an inventory tracking unit (101), a forecasting processor (102), a supplier interface module (103), a user configuration panel (104), and a wireless communication unit (105). The device predicts stock depletion using trained machine learning algorithms and autonomously places reorders by interfacing with suppliers. It minimizes human error, prevents stockouts and overstocking, and optimizes operational costs through demand-driven procurement logic and seamless vendor integration.

No. of Pages : 14 No. of Claims : 5