(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/10/2025

(21) Application No.202511100553 A

(43) Publication Date : 05/12/2025

(54) Title of the invention : A COMPUTER-ENABLED TOOL FOR PREDICTING ONLINE SHOPPING PATTERNS

(51) International classification	:G06N0020000000, G06Q0010067000, G06N0003080000, G06Q0010040000, G06F0017180000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	: :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :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. Uttar Pradesh India
(72)**Name of Inventor :**
1)NISHA
2)GARIMA

(57) Abstract :
The present invention discloses a computer-enabled tool for predicting online shopping patterns, comprising a data acquisition module (101), pre-processing and feature extraction unit (102), machine learning prediction engine (103), contextual adaptation layer (104), data storage and analytics unit (105), and user interface module (106). The system integrates artificial intelligence and contextual modeling to provide accurate, real-time predictions of consumer purchasing behavior. Experimental validation confirms enhanced predictive accuracy, scalability, and adaptability, ensuring improved consumer experiences and optimized business decision-making in online retail.

No. of Pages : 15 No. of Claims : 6