(12) PATENT APPLICATION PUBLICATION
(21) Application No.202511100763 A
(19) INDIA
(22) Date of filing of Application :17/10/2025
(43) Publication Date : 05/12/2025

(54) Title of the invention : A COMPUTER-BASED MODEL FOR DETECTING HUMAN BEHAVIORAL PATTERNS

(51) International classification	:G16H0050200000, G06N0020000000, G06N0005040000, G06N0003080000, G06V0040200000	(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)SAVITA YADAV** **2)VATIKA JALALI**
(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	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The invention discloses a computer-based model for detecting human behavioral patterns comprising data acquisition unit (101), preprocessing unit (102), feature extraction module (103), behavioral inference engine (104), decision support system (105), secure storage and privacy unit (106), and user interface module (107). The system integrates multi-modal data sources, processes them with artificial intelligence, and provides real-time, interpretable insights into human behavior. Experimental validation across healthcare, education, and workplace environments demonstrates its accuracy, scalability, and ethical compliance, thereby enabling practical applications in diverse domains requiring behavioral prediction and monitoring.

No. of Pages : 16 No. of Claims : 6