(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2023

(21) Application No.202311061348 A

(43) Publication Date : 13/10/2023

(54) Title of the invention : AUTHENTICATION USING BEHAVIORAL BIOMETRICS SYSTEM

(51) International classification	:G06N0020000000, G06F0021320000, G06F0016953500, G06F0021360000, G06F0021310000
(86) International Application No Filing Date	:NA :NA
(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)Chitkara University
    Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
  2)Bluest Mettle Solutions Private Limited
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
  1)MISHRA, Rahul
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
  2)PANDEY, Sakshi
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
  3)MANTRI, Archana
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Patiala ----------- -----------

(57) Abstract :
The intelligent system (100) for guided implicit authentication utilizing behavioral biometrics provides a seamless and secure user verification process. The user devices (102) capture an array of behavior data, seamlessly integrated with the data collection module (104. Further system provides a behavior analysis module (108) and the Data Processing Unit (DPU) (106), whereby behavioral details are precisely extracted and translated into distinct biometric profiles. The real-time detection module (112), driven by sophisticated machine learning algorithms (110), continuously scans behavioral patterns, offering not only instantaneous identification but also an adaptation to evolving behaviors. Ultimately, the authentication module (114) detects real-time patterns with stored biometric profiles to provide authorized access, exemplifying an innovative convergence of technology and human behavior for unparalleled security and user experience.

No. of Pages : 22 No. of Claims : 10