(54) Title of the invention : A SYSTEM AND METHOD FOR PREDICTING PSYCHOLOGICAL AND OTHER DISEASES USING FITNESS ACTIVITY

(51) International classification	:A61B0005000000, G16H0020300000, G16H0010600000, A63B0024000000, G16H0050200000
(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)**KIET Group of Institutions**
   Address of Applicant :Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
 1)**Rahul Shoundic**
Address of Applicant :Computer Science, KIET Group of Institutions, Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------
 2)**Saumya Maheshwari**
Address of Applicant :Computer Science, KIET Group of Institutions, Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------
 3)**Vivek kumar Yadav**
Address of Applicant :Computer Science, KIET Group of Institutions, Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------
 4)**Vaishnavi Singh**
Address of Applicant :Computer Science, KIET Group of Institutions, Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------
 5)**Vivek Kumar Sharma**
Address of Applicant :Computer Science, KIET Group of Institutions, Delhi-NCR, Meerut Rd Ghaziabad Uttar Pradesh India 201206 Ghaziabad ---------- ----------

(57) Abstract :
The present invention put forward a system and method for predicting psychological and other diseases using fitness activity. The system (100) includes a data collection module collecting fitness activity data, a ML module applying KNN and RF algorithms, and a web interface offering secure access to prediction outcomes. The system (100) analyses gathered information via trained ML models to provide DP results with their corresponding confidence measures without compromising the privacy of the user and the safety of data. The invention supports early prediction of diseases via an analysis of trends in fitness activity data for facilitating preventive care interventions.

No. of Pages : 8 No. of Claims : 3