(12) PATENT APPLICATION PUBLICATION   (21) Application No.202341033108 A

(19) INDIA

(22) Date of filing of Application :10/05/2023   (43) Publication Date : 23/06/2023

(54) Title of the invention : SYSTEM FOR DETECTING PARKINSON'S DISEASE AND METHOD THEREOF

(51) International classification :A61K 390000, A61K 480000, A61P 251600, C07K 147150, C12N 158700
(86) International Application No :PCT//
  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
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(57) Abstract :
ABSTRACT SYSTEM FOR DETECTING PARKINSON'S DISEASE AND METHOD THEREOF The invention discloses a system for detecting Parkinson's disease and method thereof. The system comprises of a data exploration module (101) for loading data into the system; a processing module (102) for pre-processing loaded data; a splitting module (103) for dividing the data into train and test; a model generation module (104) for model building; a registration module (105) for user signup and login; a user input module (106) to give input for prediction; and a prediction module (107) for displaying final prediction. Two longitudinal cohorts to train and cross-validate the models on one cohort were utilized, but also assess the generalization capability of these models on the other cohort. The objective was to predict the risk of ICDs at the next visit, knowing the clinical history of the patient and their genotyping data. Figure 1 shall be reference figure.

No. of Pages : 17 No. of Claims : 7