

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311031652 A

(19) INDIA

(22) Date of filing of Application :03/05/2023

(43) Publication Date : 09/06/2023

(54) Title of the invention : APPARATUS AND METHOD FOR DEEP LEARNING BASED ENGLISH ACCENT TRAINING ECOSYSTEM

(51) International classification :B25J 091600, G06F 030230, G06N 030400, G06N 030800, G09B 190600  
(86) International Application No :NA  
Filing Date :NA  
(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

(71)Name of Applicant :

**1)Chitkara University**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

**2)Chitkara Innovation Incubator Foundation**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)Dr.Vikas Khullar**

Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

(57) Abstract :

ABSTRACT APPARATUS AND METHOD FOR DEEP LEARNING BASED ENGLISH ACCENT TRAINING ECOSYSTEM A system and a method for recommending English accent are disclosed. The apparatus (100) comprises a display (108) configured to display English content for a learner (118), a speaker configured to output the English content displayed on the display (108), a microphone (106) configured to record voice of the learner (118), wherein the content of the recorded voice includes displayed English content, a deep learning model generation unit configured to generate a deep learning model, and analyse the content of the recorded voice in terms of native and non-native English dataset using the deep learning model, and a processor configured to rate correctness of the analyses performed by the deep learning model generation unit. [Figure 1]

No. of Pages : 13 No. of Claims : 10