

(51) International classification	:G09B0019060000, G09B0005060000, G09B0019040000, G06F00040253000, G09B0007020000
(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)Dr. Santanu Koley
Address of Applicant :S/o. Siba Prasad Koley, Professor, Haldia Institute of Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur - 721657, West Bengal, India Haldia -----

2)Dr. Tarun Kumar Ghosh

3)Dr. Tapas Si

4)Baisakhi Mukherjee

5)Dr. Samiran Sur

6)Shanta Phani

7)Dr. Shantanu Siuli

8)Dr. Md. FirojAhmed

9)Dr. Md. Samsujjaman

10)Sayani Bose

11)Anandi Ghosh

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Santanu Koley
Address of Applicant :S/o. Siba Prasad Koley, Professor, Haldia Institute of Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur - 721657, West Bengal, India Haldia -----

2)Dr. Tarun Kumar Ghosh
Address of Applicant :S/o. Tarapada Ghosh, Principal, Manbhumi Mahavidyalaya, P. O. and P. S. - Manbazar, Purulia - 723131, West Bengal, India. Purulia -----

3)Dr. Tapas Si
Address of Applicant :S/o. Sukumar Si, Professor, Department of Computer Science Engineering, University of Engineering & Management, Jaipur, Chomu - 303807, Rajasthan, India. Jaipur -----

4)Baisakhi Mukherjee
Address of Applicant :D/o. Goutam Kumar Mukherjee, Assistant Professor, Department of Business Administration, Pailan College of Management and Technology, South 24 Paraganas, Kolkata -700104, West Bengal, India. Kolkata -----

5)Dr. Samiran Sur
Address of Applicant :Assistant Professor, Aliah University, II A/27, Action Area IIA, Newtown, Kolkata - 700160, West Bengal, India. Kolkata -----

6)Shanta Phani
Address of Applicant :D/o. Prabodh Chandra Phani, Assistant Professor, Department of Computer science and Engineering, Bengal Institute of Technology, Tech Town, Basanti Highway, Kolkata - 700150, West Bengal, India. Kolkata -----

7)Dr. Shantanu Siuli
Address of Applicant :S/o. Assistant Professor, Swami Vivekananda University, Barrackpore, South 24 Paraganas, Kolkata - 743503, West Bengal, India. 743503 -----

8)Dr. Md. FirojAhmed
Address of Applicant :S/o. Md. Mustak Ali, Assistant Professor of English, Department of Humanities and Sciences, Malla Reddy College of Engineering and Technology (MRCET), Maisammaguda, Dhulapally, Secunderabad - 500100, Telengana, India. Secunderabad -----

9)Dr. Md. Samsujjaman
Address of Applicant :S/o. Md. Nurul Islam, Assistant Professor of English, Department of Humanities & Sciences, Malla Reddy College of Engineering (MRCE), Maisammaguda, Dhulapally, Secunderabad - 500100, Telengana, India. Secunderabad -----

10)Sayani Bose
Address of Applicant :D/o. Pranab Kumar Bose, Assistant Professor, Department of Computer Science & Engineering, St. Thomas' College of Engineering and Technology, 4, Diamond Harbour Rd, Khidirpur, Kolkata - 700023, West Bengal, India. Kolkata -----

11)Anandi Ghosh
Address of Applicant :D/o. Biplab Kumar Ghosh, Assistant Professor, Department of English and Literary Studies, Brainware University, 98, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata - 700125, West Bengal, India. Kolkata -----

(57) Abstract :

The present invention discloses a sophisticated system for the dynamic evaluation of language proficiency and subsequent adaptation of language learning materials tailored to individual user needs. Leveraging advanced natural language processing (NLP) algorithms, machine learning techniques, and speech recognition technology, the system assesses proficiency in grammar, vocabulary, and pronunciation across diverse linguistic skills. Through interactive exercises, real-time feedback, and personalized content recommendations, users experience a customized language learning journey. The system's adaptive learning algorithm continuously refines the learning path based on user performance, addressing the shortcomings of traditional proficiency assessments and generic learning materials. This innovation offers a user-centric approach to language acquisition applicable to various educational settings, language learning platforms, and corporate training programs, promising enhanced effectiveness and efficiency in English language learning.