

Indian Institute of Technology, Kanpur

Proposal for a New Course

1. Course No: ENG4XX
2. Course Title: AI in English Language Learning and Use
3. Per Week Lectures: 3 (L), Tutorial: 0 (T), Laboratory: 0 (P), Additional Hours[0-2]:
0 (A), Credits (3*L+2*T+P+A): 9 Duration of Course: Full Semester
4. Proposing Department/IDP : Humanities and Social Sciences
Other Departments/IDPs which may be interested in the proposed course: NA

Other faculty members interested in teaching the proposed course: Dr Lakshmana Rao P
5. Proposing Instructor(s): Prof SUDHARSHANA N P
6. Course Description: This is an introductory course on using various tools to learn and use English as a second language. This course provides not only theoretical insights on key concepts and ethical issues but also practical training in using AI tools.

A) Objectives: Students will be able to achieve the following at the end of this course:

- Understand the impact of AI on language learning and use
- Illustrate how AI tools can facilitate learning and using English as a second language
- Examine ethical aspects related to AI use
- Compare traditional methods of language learning with AI-powered methods

B) Contents (*preferably in the form of 5 to 10 broad titles*):

S. No	Broad Title	Topics	No. of Lectures
1.	Introduction to AI tools in language learning and use	AI tools; comparison with the previous tools (e.g. language lab); current status and future trends	03
2.	AI tools and listening skills	Automatic speech recognition; Automatic speech-to-text; conversational agents	03
3.	AI tools and speaking skills	Machine Translation; Use of specific tools (e.g. iTutor, IPA); using conversational features of Generative AI; translation tools; pronunciation tools	05
4.	AI tools and reading skills	Automated paraphrasing/summarizing tools; Using AI for reading comprehension practice; natural language processing for specific genres	05
5.	AI tools and writing skills	Text generation tools; Automated Writing Evaluation tools; Use of AI in academic writing; text generation, organizing the ideas,	05

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		composing the document and revising it; creating multi-modal projects;	
6.	AI and grammar and vocabulary	Data-driven learning methods; corpus analysis; register-specific vocabulary; using writing assistants to improve grammar and usage	03
6.	AI and affective factors	How AI affects motivation, enjoyment and confidence; affective management (e.g. stress, anxiety); personalized learning paths; self-regulation	03
7.	Using AI in day-to-day life	Using chatbots and commercial LLM-based tools for academic and non-academic purposes; smartphones and language use; using search assistants; language assessment using AI	05
8.	Limits and Challenges in using AI	Evaluating AI output; Academic integrity; ethical considerations; hallucinations; shallow learning; social biases; privacy concerns; lack of human interaction; copyright issues	05

Total: 40 lectures

C) Pre-requisites, if any (*examples: a- PSO201A, or b- PSO201A or equivalent*): -none-

D) A short summary for including in the Courses of Study Booklet

This is a UG-level course on AI and its application in language learning and use in real life. In recent years, AI has significantly impacted all walks of life and language learning is one of them. This course aims to discuss various AI tools and how they can be used to facilitate learning English as a second language. Also, this illustrates the application of AI in real-life language use, with examples. Finally, the course also examines the ethical aspects of AI use.

7. Recommended books: Textbooks:

Claypole, M. (2020). Artificial intelligence in autonomous language learning: An expert systems approach to computer assisted EFL self study (3rd ed.). LinguaBooks.

Harper, E. (n.d.). The AI Language Toolkit. Evelyn Harper

Savvidou, C. (2026). AI-powered language teaching: Transforming the future of TESOL. Palgrave Macmillan.

Susanto, D. A., Meisuri, M., Umar, U., Panjaitan, M. M. J., Arianto, T., Mora, H., Rahman, A., Amalia, N., Bannus, D. A., & Wirentake, W. (2025). AI in the English classroom: Leveraging deep learning for language education. CV. Gita Lentera.

Wallwork, A. (2024). AI-assisted writing and presenting in English. Springer Nature

Wang, Y., Alm, A., & Dizon, G. (Eds.). (2025). Insights into AI and language teaching and learning. Castledown Publishers

Reference Books:

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- Dodigovic, M. (2005). *Artificial intelligence in second language learning: Raising error awareness*. Multilingual Matters.
- Farr, F., & Murray, L. (Eds.). (2026). *The Routledge handbook of language learning and technology* (2nd ed.). Routledge.
- Sorayyaei Azar, A., Shakib Kotamjani, S., Milad, M., & Sharatol Ahmad Shah, S. (Eds.). (2025). *AI-powered solutions for bilingual proficiency and communication*. IGI Global.
- Ziegler, N., & González-Lloret, M. (Eds.). (2022). *The Routledge handbook of second language acquisition and technology*. Routledge.

8. Any other remarks: -nil-

Dated:_____Proposer:_____

Dated:_____DUGC/DPGC Convener:_____

The course is approved / not approved

Chairman, SUGC/SPGC

Dated:_____