NED University of Engineering & Technology

Masters Thesis Information Showcase
Fall Semester-2025
Year: December 2025

Department: English Linguistics & Allied Studies
Programme: Masters of Science
Specialization: Applied Linguistics

1 **Title of the Thesis**

Impact of AI-Assisted Feedback On Undergraduate ESL Students' Academic Reading And Writing Skills

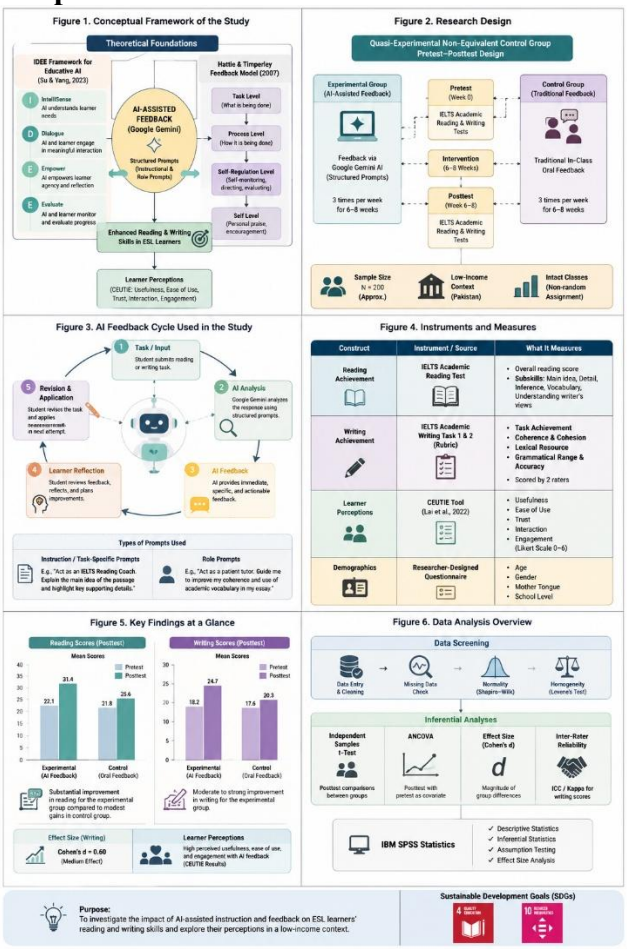
2 **Abstract** (min 300 to 500 words)

AI-assisted feedback is widely recognized for enhancing academic reading and writing skills through personalized support. Although substantial research has examined AI's role in general education, a significant gap exists regarding its impact on students' language skills. To address this, the present study uses a quasi-experimental research design with nonequivalent control groups and SPSS (Version 27) for rigorous statistical analysis. The experiment involved two groups, each receiving 16 lessons of an undergraduate Academic Reading and Writing course. IELTS Academic Reading and Writing tests served as pretests and posttests to assess changes in students' academic reading and writing abilities. The results show significant improvement among students who received AI-assisted feedback compared to those who received only teacher feedback. Furthermore, the data were analyzed to explore students' perceptions of AI-assisted feedback. This study underscores the prospect of Artificial Intelligence to enhance ESL education and delivers insights into effective teaching strategies that incorporate AI. The findings advance understanding of educational technology for educators aiming to integrate AI into language instruction across diverse classroom settings by proposing practical guidance.

3 **Impact on SDG#___"** (min 500 words)
(Please mention the impact of the relevant attained SDG)

SDG	Relevance to Research
Sustainable Development Goal 4: **Quality Education**	**Primary SDG:** Improves ESL reading and writing outcomes through AI-assisted feedback
Sustainable Development Goal 9: **Industry, Innovation and Infrastructure**	Promotes educational innovation through integration of artificial intelligence into language teaching.
Sustainable Development Goal 17: **Partnerships for the Goals**	Supports evidence-based collaboration between education, technology, and research communities.

4 **Scholar Name** (along with contact details)

Ms. Syeda Hamna Jafri
Phone No: +923319266676
Email: jafrihamna@gmail.com / shjafri99@gmail.com

5	**Supervisor & Co-supervisor Name** (along with contact details) Dr Rahila Huma Anwar Associate Professor, Department of English Linguistics & Allied Studies MS & PhD Coordinator Phone No: Email:
6	**Graphical Abstract**