

Program Profile

Program	Program name	Gen AI for Scaffolding Non-Native Researchers' Scientific Writing: The Praxis of Epistemic Collaboration between Chat GPT's Instrumentality and Authorial Anthropocentricity
	Category	A7

Summary of Program

Program Name	Gen AI for Scaffolding Non-Native Researchers' Scientific Writing: The Praxis of Epistemic Collaboration between Chat GPT's Instrumentality and Authorial Anthropocentricity
Category	A7
Abstract of Program	English is the dominant language in the scientific world. Non-native English-speaking researchers (N-NESRs) of the global South often encounter indicated deficiencies in the language quality of their scientific writings. Due to this linguistic barrier, N-NESRs encounter delays, difficulties, and financial burdens when publishing their papers. This study explores the praxis of alternative capacity building for N-NESRs to overcome this predicament. Qualitative data from the authors' anecdotal pieces of evidence were collected. The collected data were analyzed using digital data mining (DM) and educational data mining (EDM). The findings reveal that Chat GPT has a unique digital instrumentality for an epistemic collaboration with N-NESRs in editing the language of N-NESRs' scientific articles. The findings also reveal that Chat GPT's peripheral support in N-NESRs' research papers' language is non-authorial and without ethical violation, predominating N-NESRs' authorial anthropocentricity in their work. Thus, the study embodies the pragmatization of N-NESRs' problems, contextualized in AI-assisted scientific writing, equity, and access to higher-quality research papers, as well as the empowerment of N-NESRs. The paper also serves as a stimulus for future empirical studies on the phenomenon.

Details of Program

Planning

Objectives	Long-term Goals	This study seeks to explore the instrumentality of Chat GPT in editing the English language in their scientific papers.
	Short-term Targets	A further objective is to recognize N-NESRs' predominant presence with anthropocentric roles in the paper while utilizing Chat GPT for the intended support without sharing authorship with the serving AI tool.
	Rationale	Epistemic divides and inequality across the global south and global north based on the nativity of English language, affecting non native speaking researchers, can be addressed by the constructivism with Gen AI affordances. Based on this rationale, this programme has adopted a solution approach to the mentioned, pervasive scholarly problem.
Subject (Leader)	Initiator (s)	Alam Md.Saiful
	Champion (s)	Alam Md. Saiful
	Major team member(s)	Patwary Md. Nurullah

Environment	Nature/Society	The study is relevant to university teachers' professional development. Specifically, it will focus on resolving divides between the global north and the south and the empowerment of non-native speaker researchers.
	Industry/Market	The research directly relates to the knowledge economy.
	Citizen/Government	N/A
Resources	Human resources	The study is relevant to university teachers' professional development. Specifically, it will focus on resolving divides between the global north and the south and the empowerment of non-native speaker researchers.
	Financial resources	The research directly relates to the knowledge economy.
	Technological resources	N/A
Mechanism	Strategy (Weight/Sequence)	Designing-implementing-reflecting-disseminating the results
	Organization	WUB's organizational structures that have laid out research organogram and typologies offer options for encouraging, accessing and participating in the research cultural practices for all the domain entities (e.g., Department of English)
	Culture	Culturally accommodative
Doing		
Launch date		14 th July, 2025
Responsible organization		World University of Bangladesh
Program Content and Process		The programme involves a design approach to Gen AI integrated scientific writing. The design maintains and an idealized equilibrium between a minimal tool instrumentation and optimal authorial anthropocentricity. The design was accomplished through normative design processes by the participating expertise assembly with prototypical research methods.
Key highlights of the content/process		Content: GenAI integration, access to scholarly publication, empowering non-native speaking researchers Process: Design logic, design and demonstration, implementation.
Differences from traditional approaches		before: Language revision requests from journals after: acceptance of articles without language editing request
Progress as of today		Done and research outcome in the form of an article in under review in a Springer Journal.
Problems in implementation		None
Approaches to solve the problems		N/A
Completion date, if completed		November, 2025

Seeing	
Impacts on students	Cascading effects on non-native English speaking student researchers.
Impacts on professors	Empowerment and access of non-native English speaking researchers working in the universities of the global south.
Impacts on university administration	N/A
Responses from industry/market	Not initiated
Responses from citizen/government	Not initiated
Measurable output (revenues)	Not initiated
Measurable input (expenses)	Due
Cost-benefit analysis for effectiveness	Analysis due
Future Planning	
Due to be implicated.	Due to be implicated.
Addendum	
Exhibits, pictures, diagrams, etc.	included in submitted research article
Reports, mimeos, monographs, books, etc.	research article
Others which may help explain the program (including website links)	None