

# Chapter 14

## Attitude Towards AI: A Comparison Among Teachers and Students in TNE

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### **ABSTRACT**

*Understanding the attitude towards AI among teachers and students is meaningful as it will enhance the adaptive and transformative process in a collaborative and meaningful manner. This research adopted a survey method by distributing questionnaires to understand attitudes. The participation was voluntary after expressing consent. The sampling method was convenient, and the size of the participants was 25. The questions were mostly open-ended to understand the attitude. The greater majority of the participants (91%) responded that they rely on AI sometimes only and the rest of them (9%) responded that they never used AI in their teaching or learning processes. The factors that led them to explore AI induced teaching and learning choices were of four different categories like, advance knowledge gain, Support for academic assignments, research support and time management. Among these factors the research category is the predominant factor with a weightage of 33% followed by time management (29%), support for academic assignments (29%), and advance knowledge gain (9%).*

### **ARTIFICIAL INTELLIGENCE (AI) IN EDUCATION**

In recent years, AI has arisen as an influential power, revolutionizing numerous aspects of educational reformation. The multifaceted contributions of AI have become an indispensable area as it contributes to the different aspects of learning and teaching. Particularly over the last few years, the adoption of AI in transnational and transformational learning has surged meaningfully. AI algorithms have simplified the process of understanding and meeting educational requirements, making it as intuitive as human comprehension. Researchers have explored its multifaceted applications, from personalized instruction to assessment and predictive analytics (Crompton & Burke, 2023). Adopting artificial intelligence has

DOI: 10.4018/979-8-3693-7016-2.ch014

enriched personalized learning practices. AI enables educators to adapt instruction to diverse learner profiles. This technology-driven process of educational adaptation helps understand how customized learning practices are evolving with AI-driven search. By analysing student profile, it adapts content delivery, pacing, and feedback, guaranteeing a more personalized learning experience. The way a learner searches for specific content or keywords helps AI understand the requirements for providing customized information (Sayed et al., 2023). Intelligent agents powered by AI can help people with a timely and constructive feedback. As a result, students and educators alike are leveraging AI tools to support or enhance their academic performance, foster critical and analytical thinking, and assist people to know more about the updates and developments in their fields. This tendency accentuates the growing concern over digital literacy and the necessity of educational sector to familiarize technological advancements. Whether it's grading assignments or suggested readings, these tools enhance the learning process (Fitria, 2021). They help the learning community to upgrade their knowledge system. In addition to upgrading the knowledge, AI algorithms can predict student performance, helping educators identify at-risk students early to help them with appropriate kinds of interventions. This proactive approach allows institutions to intervene, support and care the struggling learners in their difficult times. The technology induced interventions can help save time, money along with human resources as well. The influential role of AI in higher education broadens and extends beyond national boundaries (Becker et al., 2018). This allows greatest freedom for educationists across continents to be connected to create a global impact. Research has been conducted on six continents, reflecting its global influence and effect. Notably, China has arisen as a frontrunner in the area of AI research, surpassing the United States in the number of publications (Crompton & Burke, 2023). However, many research activities are collective efforts of people working in the area transnationally. Hence the shift highlights the growing influence of transnational collaborations and cross-cultural perspectives associated with it.

Language learning remains as a leading subject domain for AI applications in education. Whether it's enhancing writing skills, improving reading comprehension, or expanding vocabulary, AI tools play a pivotal role in language education (Woo, & Choi., 2021). While language learning is a prominent area for AI application, its influence and impact extends across various disciplines. AI is revolutionizing fields such as healthcare, where it aids in diagnostics and personalized treatment plans, and education, where it enables personalized learning experiences and adaptive assessments. Additionally, AI is transforming industries like finance, by enhancing fraud detection and automating trading, and agriculture, through precision farming and crop monitoring (Cao, 2022). The versatility of AI ensures its impact is felt in nearly every sector, driving innovation and efficiency. Additionally, AI assists in managing student learning, providing valuable insights into student progress and engagement. AI supports learners by personalizing content, evaluation methods, constructive feedback, and predicting academic success. As AI interacts each individual in a personalised manner it may give them more comfort rather than being in the cohort or the group, they are part of. Educators benefit from AI-driven tools that streamline learning, assessment, automate administrative tasks, and enhance teaching effectiveness (Domingo-Alejo, 2024). AI aids institutional decision-making by analysing data and identifying trends. The ease at which AI can comprehend large data models makes it a favourite tool among researchers. AI can significantly modify or enhance the education system at an advanced level, and it is already integrated into the school curriculum in India. Artificial Intelligence (AI) has evolved as an essential tool in education, transfiguring the way learners learn and educators teach. Thus, it makes learning and teaching process more supportive to each other. In India, AI has already become an integral and crucial part of the school curriculum, offering students exposure to cutting-edge technologies (Tandon & Tandon, 2020). From personalized

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