Conference Name: Annual International Conference on AI, Ethics, and Responsible Innovation: Shaping the Future of Global Knowledge Systems, 28-30 October 2026, Chandigarh
Conference Dates: 28-Oct-2026 to 30-Oct-2026
Conference Venue: Chandigarh University (CU), NH-5 Chandigarh-Ludhiana Highway, Mohali, Punjab (INDIA)
Appears in: PEOPLE: International Journal of Social Sciences (ISSN 2454-5899)
Publication year: 2026

Kiran Padmaraju, 2026
Volume 2026, pp. 786-787
DOI- https://doi.org/10.20319/icssh.2026.786787
This paper can be cited as Padmaraju, K. (2026). Opportunities & Challenges with AI Technologies in Teacher Education. Annual International Conference on AI, Ethics, and Responsible Innovation: Shaping the Future of Global Knowledge Systems, 28-30 October 2026, Chandigarh. Proceedings of Social Science and Humanities Research Association (SSHRA), 2026, 786-787

OPPORTUNITIES & CHALLENGES WITH AI TECHNOLOGIES IN TEACHER EDUCATION

Kiran Padmaraju
Eastern Illinois University, Charleston, Illinois, USA
kpadmaraju@eiu.edu

Abstract

The emerging AI (Artificial Intelligence) technologies provide both opportunities and challenges for teachers in the classrooms as well as for teacher educators. As a teacher educator for more than twenty years, I have been a witness to the growing technology skills that teacher candidates come with. Unfortunately, some of the misuses of AI technologies are also seen in our courses. Teacher candidates are surveyed on their outlook towards how AI technologies are going to impact them as a future teacher and how prepared they feel about using AI technologies in their future classrooms. Survey results are analysed to consider what AI technologies teacher educators need to model and incorporate in our courses, so teacher candidates improve their sense of self-efficacy with the use of AI technologies. As AI technologies continue to become more available and continue to improve, it is important that the teachers in K-12 classrooms feel more confident in using these technologies to keep their students motivated and engaged in their classrooms. The survey data was started to be collected in spring 2026 and will continue to be collected in fall, 2026. The results will inform teacher educators as to what teacher candidates are looking for towards professional growth in AI technologies in their teacher education programs.

Keywords:

Artificial Intelligence, Teachers, Teacher Education, Classroom Learning, Technology