An Example Application Related to the AI-Supported Social Studies Teacher Training Process

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Abstract—Artificial intelligence is making its presence felt in many areas of human life. It is predicted that this trend will increase in the coming years and make significant contributions in areas such as education. For this reason, it is considered important to use artificial intelligence in education and for newly trained teachers to begin their careers with experience in using these applications. The development of civic competencies, one of the fundamental objectives of social studies education, has also been directly linked to artificial intelligence in recent years. This is because the topics and concepts introduced into our lives with artificial intelligence are directly related to issues such as citizenship and digital citizenship in many ways. Since the use of artificial intelligence in education is a newly developing field, the literature is still in the process of development, and application-oriented research is quite limited in terms of both quantity and quality. The aim of this study is to present an example of the AI-supported social studies teacher training process. This study, conducted in the 2024-2025 academic year, is derived from a project led by the researcher. The AI-supported classroom teaching activities conducted within the scope of the project lasted five weeks. This study will share a one-week sample application from the implementation process. Along with this study, teacher candidates' experiences with the use of artificial intelligence in education will be examined in detail, and an exemplary model for teacher training processes will be created.

Keywords—Artificial Intelligence, Social Studies, Teacher Education, Pre-service Teachers