

MBA29

TEACHING ARTIFICIAL INTELLIGENCE APPLICATIONS WITH TEMPLATES

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Abstract

Due to the popularity of artificial intelligence (AI), the development of Conversational AI and Generative AI applications has become increasingly important. Universities have developed courses integrated with AI components. The raised question is how to teach them effectively. One of the solutions is to use application templates. Given the appropriate AI application development templates, which are stand-alone workable learning samples, students can execute and modify them to their assignment solutions and, ultimately, the course project. The template provides students with a framework and guides them to better understand and apply their acquired knowledge to AI application development. Conversational AI templates include training large datasets, building intents, expressions, entities, skills/actions, data, and actions for continuous improvement, and deploying ChatBots. Generative AI templates include creating a custom schema for document extraction, creating a custom template, selecting a schema when adding documents, and extracting document results. SAP Joule, AI-based copilot, can be used to develop code and build enterprise applications. Utilizing the template approach increases students' motivation to learn and produces more effective learning outcomes than passive approaches such as traditional lectures. By adopting this approach, IS educators can integrate AI fundamental concepts, skills, and projects in AI application development courses.

Conference Track

MIS and Business Analytics