香港城市大學
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Learning Artificial Intelligence through Cloud-based Interactive Platforms

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Abstract:

Artificial intelligence (AI) is increasingly used in various fields of life, including biomedical engineering. In order strengthen student's understanding of theories and practical applications of AI, it would be great to learn from some AI-based programming examples. Traditional programming and coding learning heavily depends on face-to-face teaching with the support of teaching assistants in the laboratory directly. The objective of this proposal is to develop an interactive learning cloud platform to give hand-on programming training and solid experience to students to advanced level of AI programming and applications. This is an e-learning approach for BME2121: Artificial Intelligence in Biomedical Engineering. Instead of going to computer laboratory, students can sit in front of their screens to gain hand-on experience of AI coding from beginning to deep understanding at home, this further enhance students' learning of in-depth knowledge of modem AI concept such as deep learning. To sum-up, the innovative cloud-based e-teaching and e-learning approaches greatly enhance the students learning effectively.