

# 智慧型教學輔助機制之研製

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## 摘要

The learning efficiency in traditional classroom is easily influenced by the environment, instruction mode and the conditions of students. For improving the learning efficiency, the concept of Intelligence Classroom is carried out in this paper. The status of students and the classroom will be detected by the sensors, and these status will provide necessary information for servers to give the proper feedbacks. The Intelligent Classroom includes three sub-systems: automatic environment control system, instruction mode control system, and anti-drowsiness system. Automatic environment control system will regulate the classroom in the status which is suitable for learning. Instruction mode control system will assist teacher to switch their instruction mode quickly. Anti-drowsiness system will notify students when they are in fatigued situation. Our proposed system has been implemented in an intelligent classroom, and a series experiments will be practiced in the near future.

關鍵字：Classroom Management, Intelligent Classroom, Anti-Drowsiness System