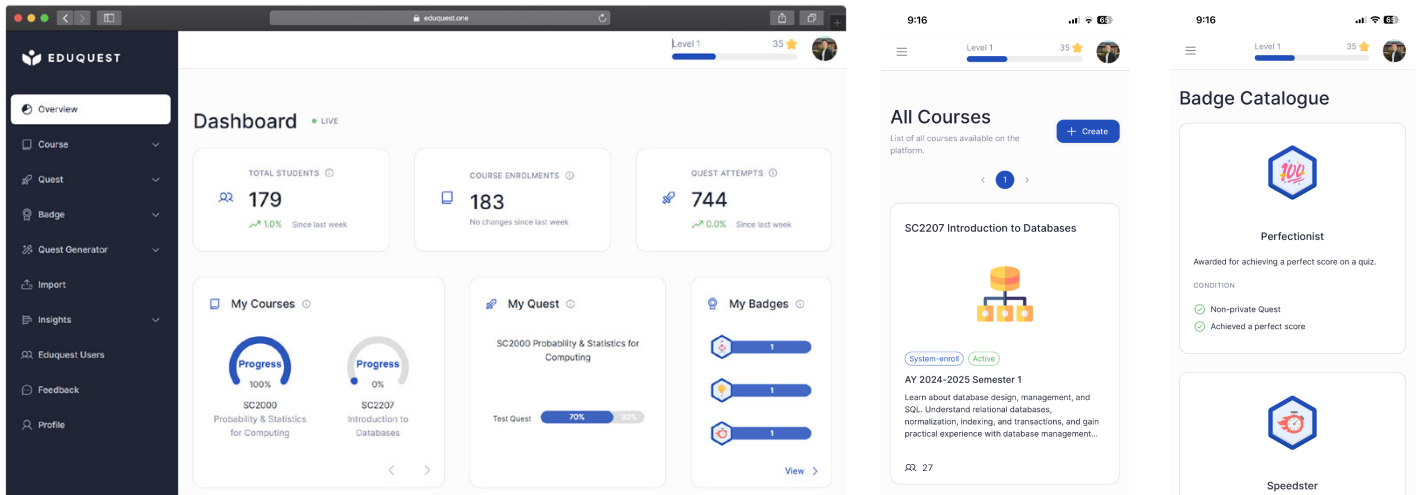


Promoting Classroom Participation through Micro-Credentials Certification with Personalised Quiz Generation using LLM

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EduQuest is an innovative **Learning Management System (LMS)** designed to revolutionize classroom learning by integrating **gamification** and **micro-credentialing**. The platform aims to enhance student engagement, foster motivation, and promote active participation through **digital badges**, **personalized quests**, and **progress tracking**.

Project Objectives:



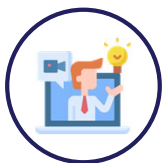
Engage Students Through Gamification

- Leverage game-like elements such as levels, points, and leaderboards.
- Reward student efforts with digital badges for specific milestones.



Micro-Credentials Integration

- Recognise students' achievements with **digital badges**
- Enable instructors to track and import progress data from third-party tools like **Wooclap**.



Personalized Learning Experience

- Allow students to upload learning materials and generate personalised quests using **Large Language Models (LLMs)**.
- Utilise **Azure OpenAI** services to dynamically create quizzes and challenges.



Comprehensive Course and Quest Management

- Facilitate seamless course creation, quest management, and performance tracking through an intuitive interface.