

## CASE STUDY

# Transforming Tech Education: Enhancing Learning with Automated Assessment Tools

## INTRODUCTION

Arab Open University (AOU) is a leading institution in the Arab world, committed to providing high-quality education across multiple disciplines. Established with the goal of offering accessible and flexible learning, AOU has expanded its presence across several countries in the Arab world where the AOU headquarter is located in the state of Kuwait. With over 55,000 students enrolled, AOU operates in 9 countries, offering both undergraduate and postgraduate programs. The university is known for its innovative approach to higher education, embracing modern technologies to enhance learning experiences.

## SOLUTIONS

Arab Open University has enhanced its technology courses by integrating beecrowd Academic with Moodle LMS, providing students with practical coding challenges and real-time feedback. This integration boosts student engagement and skill development while streamlining grading for professors through automated corrections and detailed reports. The collaboration has significantly improved learning outcomes, making the university's tech programs more efficient and aligned with industry demands.

## BENEFITS

### Accelerated Assessment Creation and Grading

Easily create and grade assessments, reducing manual work and freeing up time for educators to focus on teaching.

### Seamless Integration with Moodle LMS

Students access beecrowd directly through the LMS, simplifying workflows and enhancing their learning experience.

### Dedicated and Responsive Support Team

The beecrowd team ensures a smooth experience by actively addressing user feedback and implementing improvements.

## SUMMARY

### Challenges

- Time-consuming assessment marking
- Limited Moodle LMS integration
- Difficulty creating programming contests
- Inefficient educator workflows
- Insufficient programming laboratory and practice tools

### Benefits

- Faster assessment creation/marketing
- Direct LMS integration for students
- Simplified programming contest setup
- Access to diverse problem bank
- Enhanced support from the beecrowd team



*"Using beecrowd has simplified my work as a faculty in computer studies and coach in competitive programming. Its robust library of problems and seamless Moodle LMS integration streamline creating and grading assessments, saving me time. Students access beecrowd via LMS without extra accounts, improving their experience. Additionally, organizing programming contests is now easier and more efficient, enhancing learning and engagement for everyone involved."*

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