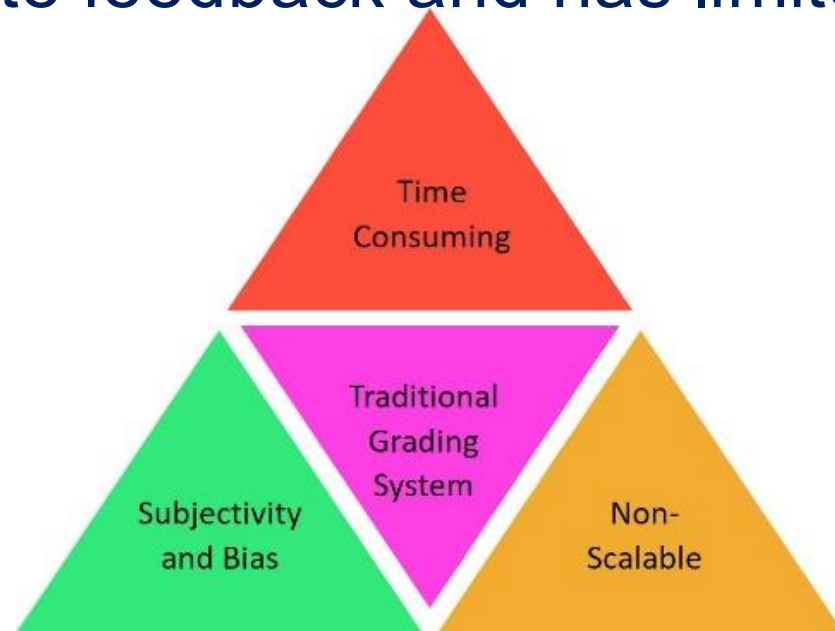


# EduMark AI: AI-Driven Grading and Personalised Student Feedback to Save Educator Time

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## Key Issues & Project Objectives:

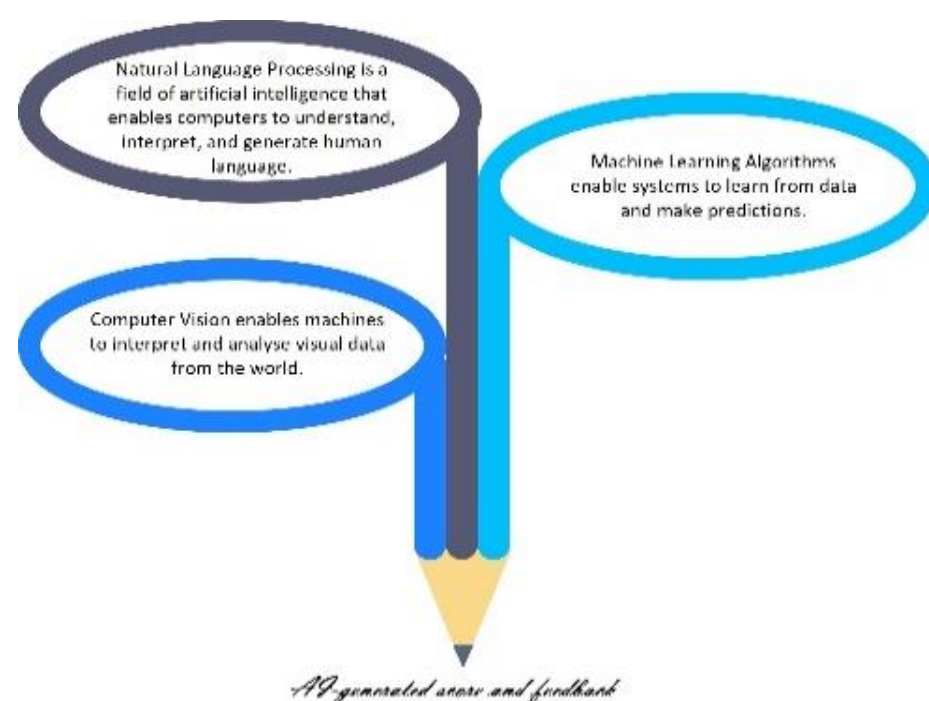
**Context:** Traditional grading is time-consuming, has subjective biases, provides late feedback and has limited accessibility.



**Aim:** Leverage AI to provide faster, more consistent grades, personalised student feedback and time-saving for educators.

## Methodology

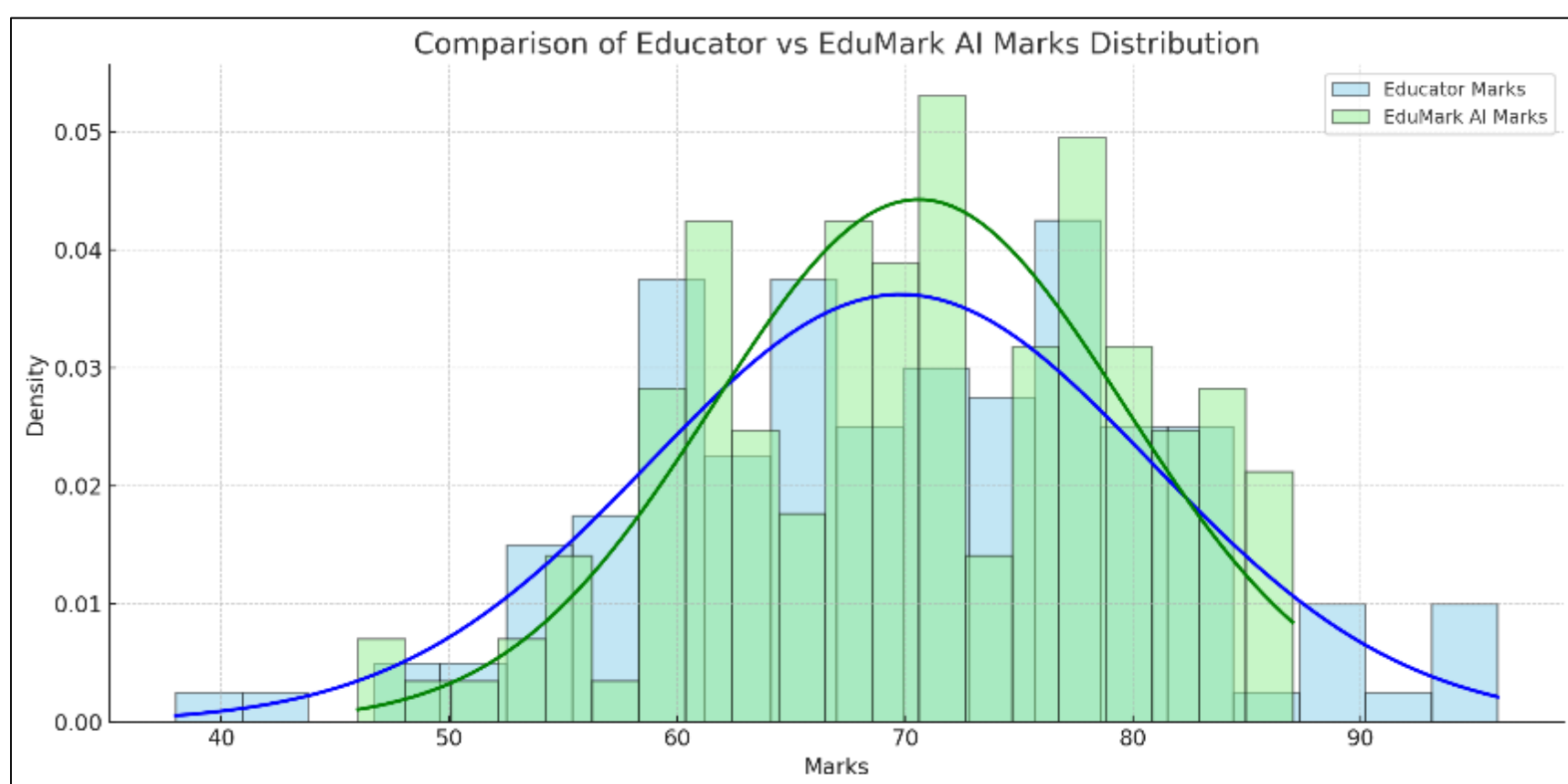
- Comparative analysis of three AI systems: ChatGPT, Google Gemini, and Copilot



- Statistical analysis for grading accuracy, time efficiency, and satisfaction between AI and the already marked exams/reports by educators manually.
- Student surveys and focus groups for qualitative feedback.

## Solution: EduMark AI – A Smarter Way to Grade

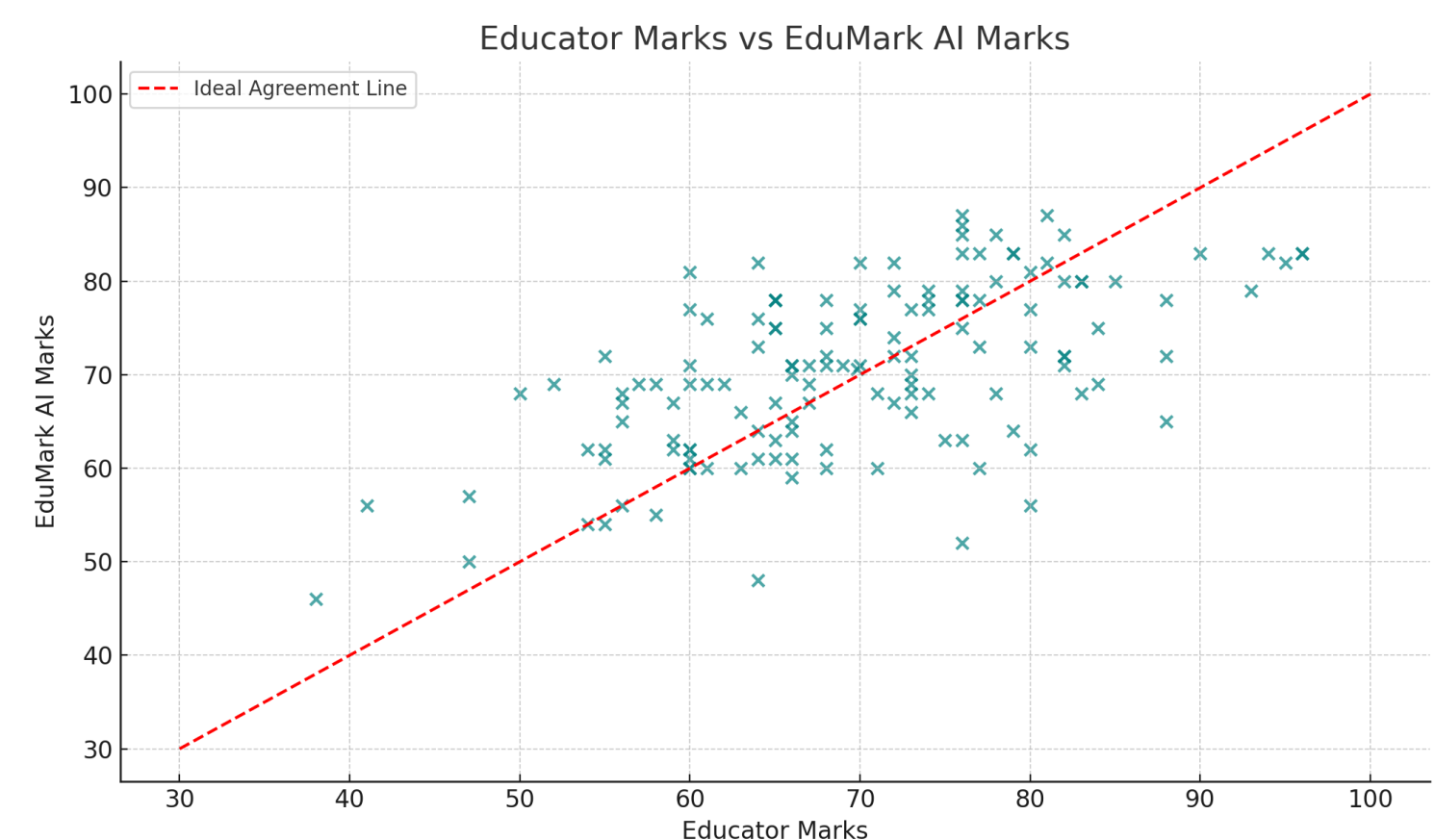
EduMark AI employs advanced natural language processing and machine learning to grade diverse assessments efficiently. In pilot trials within QMUL modules, EduMark AI demonstrated superior reliability, producing a symmetrical and tightly clustered grade distribution compared to traditional educator marking, which was broader with more outliers.



The system also delivers instant rubric-based, personalised feedback, significantly enhancing both grading consistency and student experience.

## Educator V/s AI: Agreement on Grades

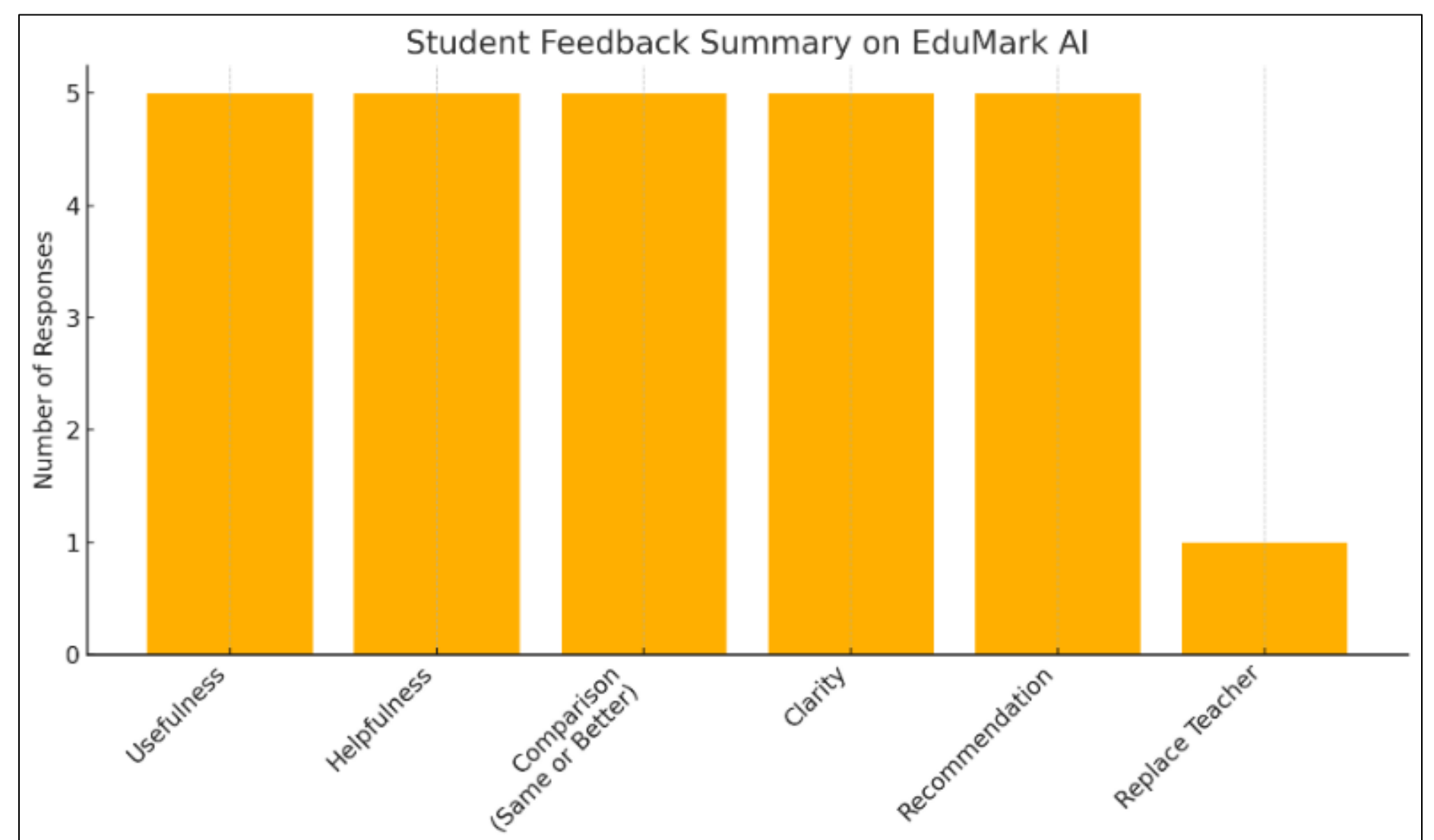
The red dashed line shows ideal agreement (i.e., AI and Educator marks are equal).



Most points lie close to or slightly above the line, meaning EduMark AI often gives equal or higher marks than educators. Few outliers exist where the difference is significant.

## Impact: Dramatic Time Savings

EduMark AI significantly reduces grading time by 50–60%. Quick and personalised feedback to students.



## Impact: Enhanced Student Learning Experience.

Students rated EduMark AI feedback highly for clarity, usefulness, and relevance, noting it explained errors "extremely clearly" and matched or exceeded traditional teacher feedback in quality.

## Future Steps:

These promising results highlight a strong potential requirement for an EduMark AI user-friendly web-based application that seamlessly integrates with QMPlus and Turnitin. This directly supports our institutional goal of embedding AI literacy across our programmes.

