

GPM: An innovative web-based tool to solve group marking issues

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Abstract

Group/Team work is an important element in most (if not all) courses in higher level education. Assessment of group work has always been challenging with potential problems. Problems include inconsistent marking processes and potentially unfair scoring/grading methods. Our study reviewed group marking processes across several courses including software engineering, computing, business computing, web technology and security within the university. The key challenge faced by all is: **“How can the marks from both lecturer and students within a group be combined in a fair way to produce a single score for each student?”**.

Other Tools:

One common problem with popular tools such as WebPA and SparkPlus is that:

The maximum mark an individual can achieve will be **capped at 100%** reflecting the maximum available mark for demonstrating the learning outcome achievement. For example, if a group receives 98/100 for their project and a student in that group receives a RPF factor of 1.05 for their contribution (reflecting a higher than average team contribution), the student will receive an individual mark of 100.

$$\begin{aligned} \text{Individual mark} &= 98 * 1.05 \\ &= 103 \text{ capped at } 100. \end{aligned}$$

