
Development and Effectiveness of Rubric-Based Assessment for Computer Science Final Year Project

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Abstract

The final year project (FYP) is a compulsory module for undergraduate students that allows them to design applications and solutions to apply their technical and soft skills. The FYP is significant since it assesses the candidate's abilities in idea construction, literature review, project analysis and design, and project development. Once completed, it remarks as the highest accomplishment of a bachelor candidate and proof indicates they already possessed the significant skill set. While it is common to use rubrics to evaluate projects, the variety of projects and the unique nature of supervisory approaches generate some operational challenges when using such rubrics in evaluation. This paper presents the development and effectiveness of a comprehensive rubric-based evaluation for most of the FYP components. As part of a proper evaluation of FYP, the rubric suggests assessing components in proposal report, dissertation report, project development, progress record, and presentation. This paper also shares the rubrics' evolution as well as feedback from academicians and students.

Keywords : *assessment; evaluation; final year project; rubrics*
