Abstract

In this paper, a novel system is presented for the allocation of final year projects for the Computer Science and Engineering Department at the University of Mauritius. Earlier works had concentrated only on the allocation of projects to students. The system not only performs project allocation but it also allows academics to rate projects, examiners to bid for projects they wish to examine, students to propose their own projects, students to submit project deliverables, supervisors to follow projects more closely and allows projects coordinators to have a heuristic view of the whole system. The system captures the preferences of examiners as well as students and allocates projects to them in order to maximise the number of students who gets their first choice in their preference list and to keep the load of supervisors and examiners within a reasonable range. The percentage of students who obtained their first choice is 82% on 30 projects proposed by 15 supervisors for 11 teams. The simulation results demonstrate that this new system will allow deadlines for all the different project phases to be met.
A Multi-Objective Approach for the Project Allocation Problem

- Richard J. Cowie, "A Snapshot of Final Year Project Practice in UK Bioscience Departments", Centre for Bioscience, The HE Academy.

Index Terms

Computer Science

Intelligent Systems

Keywords

Project Allocation Examiner Allocation teams supervisors resources projects
examiner bidding

project rating