Abstract of Student Sayed Faisal Sharaf

**ABSTRACT**

Pair programming is a seemingly powerful addition to the tool kit of educators wishing to enhance learning in software engineering students. However, this educational technique is not implemented at the College of IT at the University of Bahrain. This feasibility study examines whether pair programming technique is beneficial for students in the College of IT at the University of Bahrain and if it is enhance their learning. The study uses an experiment in which a total of six pairs of IT students are introduced to the technique of pair programming and then they are asked to apply it for one assignment and accordingly evaluate their experience. They are also asked to record the benefit and difficulties they perceive from their experience with pair programming technique. The results show that about 68 per cent of students preferred to work in pair, while the rest (32 per cent) did not. Another finding is that the participants generally became more confident in their code when pair programming. However, a major drawback of pair programming is its collocation requirement. Some students found it difficult to schedule meetings with their partners because of conflicting classes; also they faced a difficulty in having to work with a weak partner. The study concludes that pair programming technique is highly advisable to implement provided that the timing gets scheduled carefully to suit each pair and that the pair consists of students of the same level.

Red: Background, and introduction to the topic and field of the study

Green: Research gap, research problem, the controversy, the unresolved issue or question, why there is a need for this research

Blue: Purpose of the study, goal, thesis statement

Orange: The procedure, the methodology, the steps

Purple: Major findings, results, observations

Black: Recommendations of the research