Abstract

Research in the realm of Pair Programming in computer science students has begun to explore the methods for accomplishing the benefits. However, valid measurements of the opinion on adopting a pair programming in the practical sessions are required to be drawn, before concluding. An Attitude Survey Test (AST) was conducted before implementing Pair Programming as a teaching and learning tool among computer science students in Pondicherry Engineering College. The purpose of this investigation is to examine the student’s opinion on four vital issues viz. i) General Perception about pair programming; ii) Personality conflicts among pair; iii) Relevant examination system and iv) Female student’s attitude. We have engaged 154 B. Tech and MCA students as participants from Pondicherry Engineering College, for the AST, each answered a set of questions relating to Pair Programming. By accurately assessing the students’ opinions, our AST results indicated the adequate convergent validity of scores obtained, that there is a room for implementing pair programming as a teaching and learning tool in laboratory course works.


- Jeffrey, C. C., Lisa, H., Lulu, H., Julia, H. and Donna, R. 2007. Increased Retention

- Joshua Sennett and Mark Sherrif. 2010. Compatibility of Partnered students in Computer Science Education. ACM SIGCSE’10 Milwaukee, Wiscosin, USA, pp. 244-248.


Student’s Opinion on Adopting Pair Programming as a Teaching and Learning Tool


Index Terms
Computer Science
Software Engineering

Keywords
Extreme Programming (XP) Pair Programming Attitude Survey Test Teaching
and Learning