AN INVESTIGATION OF THE RELATIONSHIP BETWEEN THE ACHIEVEMENT OF

UNDERGRADUATES' SOFTWARE ENGINEERING (IN COMPUTER PROGRAMMING) AND THEIR FAMILY ENVIRONMENT

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ABSTRACT

Inculcation is the process by which people acquire cognizance, skills, habits, values and postures. Edification involves both the edification and learning, sometimes people learn by edifying themselves, in which psychology plays a vital role in inculcation to availing the students. Consequently, family environment has consequential effects on psychology and earnest accounts are being taken of the family environment of students. Family environment needs to be understood within the particular context in which it occurs. The contemporary research is premeditated to discover the achievement in Computer Programming, and family environment of second year Software Engineering Undergraduates', and the relationship between the same. According to the views collected from software engineering undergraduates, computer programming is the most difficult subject in their degree program. Descriptive survey method was used for this research and the sample consisted of 150 second year Undergraduates' who study for Bachelor of Engineering (Honors) in Software Engineering in a private university situated in Western Province of Sri Lanka. Sample was drawn by utilizing random sampling technique. This study reveals that there is no significant difference between male and female second year Software Engineering Undergraduates' with regard to achievement in Computer Programming. And there is no significant difference between male and female second year Software Engineering Undergraduates' with regard to family environment. But there is significant relationship between achievement in Computer Programming and family environment of second year Software Engineering Undergraduates'. In all the above comparisons, the results betoken that the achievement in Computer Programming and family environment is not of paramount difference from person to person and the correlation between these two is correlated positively. It reveals that the family environment is a key factor for the students in their academic achievement.

Keywords: Academic achievements, Computer programming, Family environment