Abstract

Software effort estimation is to find out the development effort required by a project. Before any project is being started firstly it is required to estimate the development effort required. This is one of the most important and challenging activities that has been done before. Various techniques have been proposed to calculate effort estimation, but providing accurate cost is still an unachievable goal. This paper represents different neural network techniques that have been proposed to calculate effort estimation. It describes various techniques and approach proposed by different researchers representing how neural network gives accurate effort estimation in comparison with other techniques. This paper also focuses on how researchers have used various concepts of neural network and brought it into use to estimate effort.

References


Index Terms

Computer Science

Artificial Intelligence

Keywords

Effort Estimation, Constructive Cost model (COCOMO), Neural Network, Radial Basis Function, Functional Link Neural Network (FLAN), Artificial Neural Network (ANN), Mean Square Relative Error (MMRE), Mean Square Error (MRE).