

An Object-Oriented Program for Critical Path Analysis of Project Networks

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Abstract.

In this study, program has been developed in Visual Basic.Net platform for critical path analysis of projects. The critical path forward pass as well as the backward pass has been programmed for any complexity of project network. The program is able to output the earliest start, earliest finish, latest start, latest finish, total float, free float and the independent float of the activities in a project network. The program has been tested on a case study has been found to be very accurate. The results demonstrate that using the computer program will be of invaluable help to students and practitioners in the delivery of Critical Path Analysis.

Keywords: Object oriented, critical path method, float, project

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