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AKM Nurul Amin
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MANUFACTURING MANAGEMENT

From basic machining to quality product



IIUM Press

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Crashing a Project in PERT/CPM network

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1. Introduction

What is crashing project? Crashing a project in a simple meaning is to expedite the project completion. In this case, the duration of an activity is shortened. Rosenau and Githens (2005) states that crashing is “spending more money on the project in order to speed up accomplishment of scheduled activities.” Decision should be made so that the crash cost does not exceed the penalty cost.

Figure 1 shows that as crashing activities implemented the total cost which is the crash cost plus the penalty cost at initial stage it decreases but it may increases after the point from the arrow.

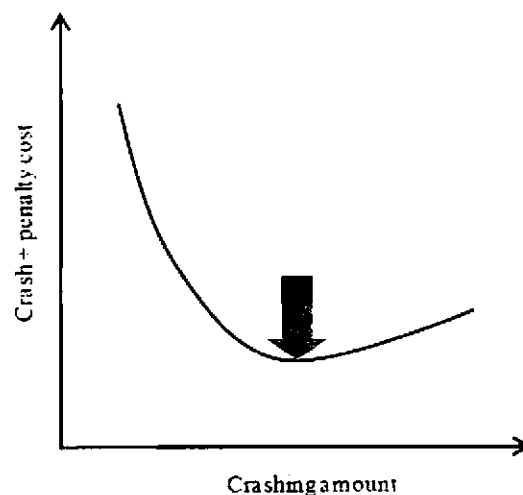


Figure 1: Relationship between crashing amount and the total cost(crash+penalty) by Kuhl and Radhamés et al. (2008)