THREE STAGE FLOW SHOP SCHEDULING PROBLEM WITH BRANCH AND BOUND TECHNIQUE IN WHICH PROCESSING TIME ASSOCIATED WITH THEIR RESPECTIVE PROBABILITIES INCLUDING TRANSPORTATION TIME AND BREAKDOWN INTERVAL

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ABSTRACT

This paper is an attempt to minimize the total elapsed time for the nx3 flowshop schedule problem in which processing times are associated with their respective probabilities and break down interval. A branch and bound technique is applied to solve the problem. The method given in this paper is very simple and easy to understand. The algorithm of the problem has been clarified by a numerical example.

KEYWORDS: Flow-Shop, Branch and Bound, Optimal Sequence Scheduling, Break Down Interval, Make Span, Total Elapsed Time.