CHAPTER 59

TECHNOLOGY
PRODUCTION & INDUSTRIAL ENGINEERING

Doctoral Theses

565. SHARMA (Rishu)
Production Planning and Inventory Management of Job Shop Systems.
Supervisor : Dr. S. K. Garg
Th 18952

Abstract

Identifies contemporary research issues related to systems like ASC, which has integrated features of JSP, MM, SCM and SM. With the help of simulation experiments, various policies to meet the conditions of demand variability are designed. Also, optimum parameter factors are found and their effects on critical performance measures are studied. A framework incorporating spare part management, using ANN, is presented to forecast reorder point and ordered quality of repair parts. The analysis considers parameters like unit price, annual demand etc other than inventory holding cost and carrying cost.

Contents