

Abstract Details

Title: Hierarchy Model To Measure Performance Of Routing In Fms

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Abstract: Flexible Manufacturing Is A System Which Allows Manufacturing System To Perform Under Highly Adapted Production Needs. The Problems Such As Uncertainty In Inventories Requirements And Market-Response Time To Match-Up With The Customer Needs, Response And Satisfaction To Adjust As Per The Trends In The Market Can Be Achieved By Flexible Manufacturing System. Routing Is An Important Component And Plays A Major Role In Any Manufacturing System. Selection Of Optimum Route Can Reduce The Total Cost And Improve Efficiency Of The Entire System. Designing Of The Route Of Machines Can Be Analyzed Same Domain Of Industries Based On Automated System Or Conventional System. Selection Of Best Route Of Machines For Particular Set Of Products Or Particular Section Of Industry Is A Very Important Activity Because It Depends Upon A Lot Of Criteria And Each Criterion Has Different Level Of Impact On Routing. So, Here The Core Attributes Of Routing System In Conventional And Fms Environment Is Identified Through Exhaustive Literature Survey. . Automated And Conventional Routing Systems Are Compared. These Attributes Are Further Classified Into Different Categories. A Model Is Developed Which Can Be Utilized In Different Situations To Compare The Different Alternatives Of Routing System.

Keywords: Fms, Routing, Attributes, Layout