

عنوان مقاله:

A New Model for Mutual Logistics and Operation Service Selection Considering Flexibility in Operation Process Chart Selection

محل انتشار:

چهاردهمین کنفرانس بین المللی مهندسی صنایع (سال: 1396)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Mahsa Malek - Master Student, Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

Jalal Delaram - PhD Student, Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

Omid Fatahi Valilai - Assistant Professor, Industrial Engineering Department, Sharif University of Technology, Tehran, Iran

خلاصه مقاله:

Today s by spreading the concept of providing everything as a service, the manufacturing systems strive to exploit from the solution which helps them to work in this environments. So planning and scheduling should be considered with a service oriented manner. As Cloud manufacturing concept suggest to provide every tasks and processes should be provided as a service, operation process chart (OPC) helps to achieve this goal better. OPC provide a through look over the entire manufacturing processes need to produce a product. Accordingly, this paper proposes exploiting the potentials of a product s OPC for planning in a Cloud manufacturing system. The paper proposes a mathematical model which selects an OPC with minimum operation and logistic cost. The model consists of variables which insure the entire operations of an OPC would be accomplished by considering the logistical aspects. Finally, the paper presents a numerical example and conclude the remarks, and outlines the future works

کلمات کلیدی:

Cloud Manufacturing, Assignment Problem, Mathematical Programming

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