

المستخلص

خضير زغير سلمان. جدولة العمليات التشغيلية في ورش التدفق باستخدام البرمجة الديناميكية. (اطروحة دكتوراه). - الجامعة المستنصرية : كلية الادارة والاقتصاد : قسم الاقتصاد ، ٢٠١٠.

Operations Scheduling in all organizations Considered as an important tool for planning and control for resources allocation in efficient way, to achieve the desired objectives in minimizing the production cost, and matching the demands in their fixed time, in order to get a competitive advantages. So the organizations must be choose and Implement an active scheduling policies and techniques based on a scientific methodologies, which can contribute to achieve the optimal performance. Dynamic programming is in the head of these Techniques, Which can help to build an active scheduling to improve the organization Performance.

The problem of study has been determined by many Field visits to General sector factories from which is (mechanical carpet factory), which illustrate flow-shop production system, that not attention in and ignore these techniques in scheduling it's operations, and depend on the experience and diligence of production supervisors, which cause awakens in exploitation it's resources and available capacity in efficient way.

The Study aims to schedule the operations in studied factory by using the dynamic programming approach to find the optimal Sequence with tardiness Criteria, in addition to minimize

the Deviation of available capacity in work centers in the Factory, by building and designing a mathematical model to achieve these objectives, and Implement it by a computer System.

The study have reached to many conclusions concernel with studid factory and suggested model, and presented some practical Recommendations to due to the conclusions. A number of assumptions are also submitted with regard to the future studies concerned with the subject of study.