



Planning and Manufacturing Support System

Field: Industrial Engineering

Description: Design and develop a system that allocates production batches to the different machines available and staking production

Context and problem: DAS-ERP allows the elaboration of the PDP, the Orders of manufacture, the follow-up and the control of the production.

Production scheduling is based on scheduler inputs and tracking reports that are generated from DAS. We want to develop a planning support system based on an operational research method that optimizes production within an industrial enterprise

Expected work:

Optimize the allocation of machines according to the PDP and the constraints of availability and configuration of machines (mounted tool, machine parameters, ...)

Staking the tasks to be produced in the machines (timestamping of the tasks to be done on the different machines)

Refresh the program taking into account the feedback given by the production terminals.

Integrate these programs into production terminals to drive manufacturing

Required Education Level: BAC+5

Send your CV to

1. rh@logidas.com and to
2. nihel.benyoussef@ieee.org

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