

Flexible Workshop TER



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- > **Ametys Code:** N9EE18E
- > **Open to exchange students:** Yes

Presentation

Objectives

Implement an optimized decision-making system based on Petri nets for a flexible workshop.

Description

Ensure compliance with a production sequence for different objects that must pass through stations dedicated to different operations, using a circuit and a shuttle for transportation.

Ensure that several objects are produced at the same time (Work In Progress >1).

Using a Petri net, propose a solution for managing several shuttles to optimize the production cycle.

Pre-requisites

Petri net, Discrete Event Systems