

Proposal for graduation project (2023-2024)

Intelligent Automation for Smart Factories

Students

Supervisor

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Abstract:

Intelligent automation is a rapidly developing field where new technologies, such as Artificial intelligence (AI) and Internet of Things (IoT), are emerging to automate and optimize industrial process operations. This can help businesses to improve efficiency, productivity, quality, and sustainability, while reducing costs and risks in many application fields; including smart airports, factories, and petrochemical industries.

The project will cover the following activities:

- ✓ Overview of intelligent industrial automated systems
- ✓ Understanding recent technologies for smart factories
- ✓ Proposal for intelligent industrial process
- ✓ Simulation analysis
- ✓ Experimental validation
- ✓ Conclusions and recommendations

