



SPRING SEMESTER (M1.2/14.8)

# INTERNET- OF-THINGS ARTIFICIAL INTELLIGENCE

NANTES CAMPUS

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## **Icam Nantes campus**

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44470 Carquefou - France

## **OBJECTIVES**

- Understand the emerging profession of AI IoT engineers
- Immersion into innovative multi-technology fields
- Exploration of practical, fun and futuristic technologies

## **PROGRAM**

### **Lectures/Conferences**

#### **Conferences held by industry partner representatives:**

- Industry insight: experiences, problem situations, projects
- Understanding terminologies, methodologies, approaches and technologies

### **Practicals**

- IoT device development and testing
- IoT network deployment and monitoring
- IoT application development and testing

### **Typical project(s)**

- Bacchus: app-connected sensors to ensure wine quality, data collection and data visualization
- Armor: application layer for collecting, processing and visualizing data from OPV-based sensor networks
- GoodFlow: IoT device for tracking industrial rolls

### **Competencies**

#### **Development and operations (DevOps) of**

- IoT devices
- IoT networks
- IoT applications with AI features

### **Prerequisites**

- Bachelor's Level - business canvas, business plan, marketing study, budgeting concepts, or a big desire to explore entrepreneurship and management

*Note that as lectures and case studies for industrial partners are mostly conducted in French, having a good level of French is recommended.*

### **Assessment**

- Expert and peer reviews
- Individual interviews
- Technical reports
- Oral presentations
- video tutorials

### **Partners**

Partner companies who deliver lectures/conferences or mentor case studies.

**Jules Verne manufacturing academy / SFR business / Cité de l'objet connecté angers / CGI / Altran / Quantmetry / ifood**