

Supervised Project in AI

Conception and implementation of an AI-driven solution



PROGRAMME
Master 1

SEMESTER
Semester 2

CREDITS
2 ECTS

CONTACT HOURS
3-days block

Course Description

This supervised project requires students to act as consultants and design an AI implementation plan for a growing online platform. The core challenge centers on integrating an AI-driven dynamic pricing system.

Students must structure a feasible plan covering technical, business, and regulatory aspects, without the requirement of programming the final algorithm. The project bridges the gap between identifying business needs and organizing the necessary data structures and skills for deployment.

Learning Outcomes

- Establish a comprehensive implementation plan for an AI project.
- Identify key data sources and define data collection, storage, and security requirements.
- Recommend appropriate technologies and define the necessary skills for a development team.
- Formulate performance metrics for testing and continuous production evaluation.
- Address and integrate regulatory constraints within an AI deployment strategy.

Indicative Content

- 1. Business Needs & Data Requirements:** Auditing data sources, variable formats, storage, and security needs.
- 2. Dynamic Pricing:** Assessing demand, seasonality, and competitor pricing.
- 3. Technology & Skill Assessment:** Evaluating required tools (e.g., Python, SQL) and team compositions.
- 4. Performance Metrics:** Designing evaluation criteria for both testing phases and continuous monitoring of the proposed solution.
- 5. Structuring the Implementation Plan:** Organizing workflows, defining regulatory caution points, and establishing testing phases.

Teaching & Learning Approach

Students work collaboratively in teams of 3 to 4 individuals acting as a consulting unit. The instructional format includes independent group work guided by mandatory intermediary interviews with the instructor to validate initial ideas, monitor progress, and answer questions. The students pitch their ideas and plan at the end of the project.

Assessment

Written report, oral presentation,
and intermediary meeting evaluations