Designing Artificial Intelligence & Implementing Smart Technologies
Group Assignment 18.00

Date: Oct/30 2025

Due Date: Dec/9 2025 [before SESSION 29]

Ongoing grading (maximum)

180 Group Assignment

Assignment Description
Updated scope for Year 2025

Functional Analysis: Only the predictive block of functionality is required

2

2. Predictive

- 2.1 Prediction of the price of a particular computer configuration or model
  - Identify basic features
  - Provide "default" values for some of the features not informed explicitly by the client
    - Numerical values (either direct input or sliders)
    - Categorical (combo dropdown)
    - Yes/No features (checkboxes)
  - Request input for desired/necessary information
- 2.2 Explanatory breakdown of the price on the basis (importance) of the main components or features

Interfaces: Both

a)   Traditional key input fields

b)   Basic natural language interface for interacting with the "predictive module" [agent] either using function/tool calling, a light MCP server architecture or any other appropriate Agentic AI technique selected by the students [Langgraph, CrewAI, …(*)]

(*) if any API_KEY is required for recreating the assignment [either in the development or in the deployment server replication] it has to be temporarily informed and provided [for immediate subsequent deletion and/or invalidation after the review/grading]