

IDENTIFICATION

Course code : ESI-SPI-CI-IN4-
S8-UE3-EC3
ECTS : 2

DURATION

Lectures : 4
Tutorial classes : 0
Labs : 2
Total : 6

Project :
Personnal work :

ASSESSMENT

The skills will be assessed based on the elements provided in the deliverable, which will be specified in advance to the engineering students.

TEACHING MATERIALS

All documents used during teaching sessions, along with the resources mobilized. If necessary, additional documentary references will be provided.

LANGUAGE

English

CONTACT

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UE8-DEV

Software Engineering SAE

SCOPE OF THE CHALLENGE

WORKING SITUATION

Design and develop a cross-platform application (for mobile and desktop) within an ecosystem involving multiple components (client, server, API).

COMPETENCES AND LEVEL ASSESSED

Design and develop software

EXPECTED OUTPUTS

Task 1 : Functional specifications + Domain analysis documents Task 2 : Design documents and diagrams Task 3 : Code Task 4 : Application, demonstration and documentation

In addition to the technical aspects specified in the expected level description, the SAE will be assessed based on the following criteria :

- Compliance with constraints, standards and legal framework
- Consideration of digital, environmental and societal challenges
- Effective organization and mobilization of available material and human resources
- Continuous scientific and technological monitoring
- Justification of technology, tool and solution choices
- Adapted response to the specifications in interaction with users and commissioning parties

RESOURCES

- Software development instructor
- Instructor specializing in eco-design
- Project management instructor