

BLOCK NAME	VOICE TECH
BLOCK CODE	CS-L4B5
COURSE	2
LEVEL	4
CREDITS	4
CLASS HOURS	40
HOMEWORK	60
TOTAL HOURS	100

DESCRIPTION

This block introduces conversational UI's and voice assistants. We face the challenge of creating a conversational UI for a e-commerce business of our choice, including its design, its implementation following such design, and the subsequent testing.

PRE-REQUISITES

Basic programming skills are needed.
CS-L1B1

OBJECTIVES

The goal is for students to be familiar with the existing conversational UI's and voice assistants, and be able to design, implement and test new conversational UI's.

SKILLS TO BE DEVELOPED

- 1 - Conversational UI's fundamentals.**
 - 1.1 - Be up to date with the current state of conversational UI's in voice assistants.
 - 1.2 - Be able to configure and make a good use of the different features that current voice assistants provide.
- 2 - Conversational UI's design.**
 - 2.1 - Be able to design a conversational user interface.
- 3 - Conversational UI's implementation.**
 - 3.1 - Be able to implement a conversational user interface following a design.
- 4 - Conversational UI's evaluation and testing.**
 - 4.1 - Be able to evaluate and test conversational user interfaces.

SYLLABUS

- 1 - Conversational UI's fundamentals.
- 2 - Conversational UI's design.
- 3 - Conversational UI's implementation.
- 4 - Conversational UI's evaluation and testing.

METHODOLOGY

Resolution of practical activities supervised by the mentor. Compulsory attendance.

DEDICATION AND EVALUATION

The student must pass the mandatory activities (challenges/projects) that are covered in the block.

Each challenge/project produces its own score and has been designed to cover certain block percentages.

Such score is 80% objective (the program that solves the challenge/project works without errors and producing the expected results) and 20% subjective (solution elegance, how clean the code is, documentation).

Block scores are finally calculated by prorating individual activities with respect to their block coverage percentages.