



# Laborator Machine Learning for Industrial Automation

## AMPLASAMENT

| SALĂ    | ADRESĂ           | SUPRAFAȚĂ (mp) | NR. LOCURI |
|---------|------------------|----------------|------------|
| BT.6.01 | Str. Barițiu 6-8 | 70             | 15         |

## DOTARE

### HARDWARE

|    |                                                                                                                                     |
|----|-------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 15 kituri RASPBERRY PI 5 STARTER KIT, 8GB, EU PLUG + Raspberry Pi AI HAT                                                            |
| 2  | 15 bucati RASPBERRY PI CAMERA 3 WIDE - SC0874                                                                                       |
| 3  | 3 buc RASPBERRY-PI RASPBERRYPI-SENSEHAT - Daughter Board, Raspberry Pi Sense HAT, Orientation/Pressure/Humidity/Temperature Sensors |
| 4  | 3 buc Modul inteligent recunoastere vocala                                                                                          |
| 5  | 3 buc DFROBOT SEN0395 - Human Presence Detection Sensor, mmWave Radar, Arduino Boards                                               |
| 6  | 25 buc MODUL CU SENZOR ULTRASONIC, JSN-SR04T, V3.0, REZISTENT LA APA                                                                |
| 7  | 2 buc SLAM Lidar A1 M8                                                                                                              |
| 8  | 2 kituri Kit Plusivo pentru Lipit EU cu Multimetru Digital                                                                          |
| 9  | Proiector                                                                                                                           |
| 10 | Tabla inteligenta                                                                                                                   |

### SISTEME DE CALCUL

|   |                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 10 statii i7Ultra, 32GB RAM, 1TB SSD, Placa Video MSI GEFORCE RTX 5060 VENTUS 2X OC 8GB, Monitor LED Dell SE2725HG, 27 inch, Kit Wireless Tastatura Dell KM3322W, Layout RO, USB, Black + Mouse Optic, USB, Black |
| 2 | Rețea de comunicații wireless                                                                                                                                                                                     |

### SOFTWARE

|   |                      |
|---|----------------------|
| 1 | Windows 11           |
| 2 | Microsoft Office 365 |
| 3 | MATLAB               |
| 4 | Python               |
| 5 | GIT                  |

## DISCIPLINE

|   |                                                                  |
|---|------------------------------------------------------------------|
| 1 | Applied Machine Learning for Industrial Automation               |
| 2 | Data Processing and Predictive Modeling in Industrial Automation |
| 3 | Statistics and Numerical Calculus                                |
| 4 |                                                                  |
| 5 |                                                                  |

## DATA

01.09.2025

## RESPONSABIL LABORATOR

Conf.dr.ing. Roxana RUSU-BOTH

IMAGINI DIN LABORATOR

