

**C2 Short-Term Training, Fondazione Mondo Digitale
16, 17, 18 November 2021**

EDU4AI

Artificial Intelligence and Machine Learning to foster 21st century Skills in secondary education

2020-1-DE03-KA201-077366

Agenda

November 16th 2021

15:00 CET Welcome

15:10 – 15:20 CET Presentation of **EDU4AI Project** progresses and future plans
IN2 - Konstantina Geramani

15:20 – 15:40 CET **EDU4AI Pedagogical Framework**
Fondazione Mondo Digitale - Ilaria Gaudiello

15.40 - 18.40 CET **EDU4AI project: Autonomous driving vehicle recognising traffic signs**
Fondazione Mondo Digitale - Silvia Larghi, IC Don Gnocchi, Arese, Milano

- *Description of the project and main objectives*
- *How to build a DIY vehicle based on raspberry pi (an example)*
- *How to program the vehicle*
- *Teachable Machine: brief overview*
- *Image recognition: stop signs*
- *Training an AI model to recognise images of stop signs with Teachable Machine*
- *Programming the vehicle to stop at stop signs and test! [30 min.]*
- *Image recognition: left/right turn signs [20 min.]*
- *Programming the vehicle to turn left or right at corresponding signs and test!*

18:40 – 19:00 CET **Questions and Answers - ALL PARTICIPANTS**

19:00 CET FINISH

November 17th 2021

15:00 CET	START
15:00 – 15.15 CET	EDU4AI Project Handbook – Guidelines to develop a project <i>EDUMOTIVA - Dimitris Alimisis</i>
15:15 – 17:00 CET	EDU4AI project: control a DIY robotic car with voice commands <i>EDUMOTIVA - Chrissa Papasarantou, Elias Theodoropoulos</i> <ul style="list-style-type: none"> • <i>Project Introduction</i> • <i>Assembling/constructing and wiring an Arduino-based robotic car</i> • <i>App Inventor: Controlling the robotic car through a smartphone</i>
17:00 – 17:15 CET	COFFEE BREAK
17:15 – 19:00 CET	<ul style="list-style-type: none"> • <i>App Inventor: Controlling the robotic car through voice commands - Solution1</i> • <i>App Inventor: Controlling the robotic car through voice commands - Solution 2</i>
19:00 CET	FINISH

November 18th 2021

15:00 CET START

15:00 – 16:30 CET **EDU4AI projects: Virtual Secretary's Office**

AIJU - Jose Carlos Sola and Andres Sanchez

- **Project Introduction**
- **How to Program the Chatbot**
- **Training the AI Chatbot**
- **How it has been integrated with WhatsApp and in the Colegi Sant Roc website**
- **Project Demo**

16:30 – 16:45 CET

COFFEE BREAK

16:45 – 17:45 CET

Advantages of implementing Virtual Secretary's Office at Colegi Sant Roc

Colegi Sant Roc - Juan Carlos Climent

- **Description of the experience with the new implementation and the impact it has generated in the school.**

17:45 – 18:00 CET **Evaluation** | Feedback | Recommendations

18:00 CET FINISH