

2nd LTA – Minute

Erzin, Turkey

22th - 26th, November, 2021



Educational Robotic and Programming and Learning Scenarios
2020-1-PT01-KA201-078670

2nd LTA – MINUTE

The second Learning and teaching activities meeting was held in Erzin between 22nd and 26th November 2021, with the purpose of learning and teaching activities with workshops were taking place, to apply in its schools or other partners institutions.

The second meeting in Erzin, was the second face-to-face meeting, it was a mix of face to face meeting for Portuguese, Turkish schools, Portuguese institutions (ANPRI, Associação Nacional de Professores de Informática and Sucessos Criativos, Lda) and online meeting with Italian, Polish schools.

The activities were started with the intervention of coordinator Manuel Russo and the guidance of Mr Alisan Bozcuk.

On the first day of the meeting, we worked on the structure of the course and set dates for the completion of tasks, especially for schools and institutions that are responsible for the different modules.

The module "using arduino and sensors" was finished with the participation of ANPRI (professors Carlos Monteiro and Anselmo Pinheiro) and learning scenarios examples with the participation of professor Alisan Bozcuk and the conclusion of module five.

It will complete the modules of virtual reality, augmented, 3D printing that will continue to be developed in the following sessions with teachers Rossana Latronico from the Italian school and teacher Grzegorz Stozek from the Polish school. This activity lasted all morning.

The representative of the Turkish school welcomed us and wished us the best successes for the activities would be developed during the week.

we visited the facilities of the Turkish school where worked during this week.

On the second day, we continued working on the tasks.

At the beginning, we explained where we could find the file to continue working on it using google drive.

Each school continued to write the information relating to each module, especially the "3D printing" modules from Poland and "the virtual reality" from Italy. All the information that the file should contain was explained.

This template file had already been previously structured with the division into modules and with its components, belonging only to the participants to understand what they would have to do, to start filling it.

Some of the doubts that arose during the completion were explained, and a deadline was given, until the end of the month, for the task to be completed.

The report about the different curricula in partners countries was presented and analyzed. It was based on the data collected and on the reports available at the international level on education. The conclusions about the situation in each country were summarily presented to the partners.

This report needs to be read in more detail, and after, it would be verified by all schools in different countries, and it should be translated into their national languages.

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A deadline was given for this reading, verification and translation, which should be until the end of December. Therefore, it should be available for its presentation on January, in Italy, at the conference organized by the Italian school.

The workshop on "virtual reality and augmented reality" presented by the teacher Rossana Latronico from the Italian school took place.

It presented several free and paid computer applications that can be used in augmented reality and virtual reality.

Mrs Rossana also presented several concrete examples of application to different learning scenarios.

On the third day, the presentation was made by Mr. Alisan Bozcuk, and a representative of the company YASA, where their activities were explained.

After discussion on the company, its role in Turkish society and its innovative technologies.

It was also explained all the support given to the school with whom it has strong relationships, even because the company representative is a former student of this school, where the activities were carried out.

Mr. Alisan Bozcuk did the workshop, on learning scenarios, and together with the company YASA, they showed samples of learning scenarios.

On the fourth day, the workshop on "arduino and sensors" was held, presented by Professor Carlos Almeida, supported by Professor Anselmo Pinheiro from ANPRI. The components and operating mode of the breadboard in its assemblies and the Arduino itself with its different digital and analog ports were explained.

The arduino programming was done step by step, in its different sections, defining the initial settings defining which port is "input" or "output", setup() and loop(). The state changes with an automatic delay() or with the introduction of the condition "if" and its application.

Exercises were proposed that were performed with time divided by all participants on site or online.

On the fifth day of the program, we had taken stock of the meeting and meeting conclusions. The meeting closing, and the participation certificates delivery.