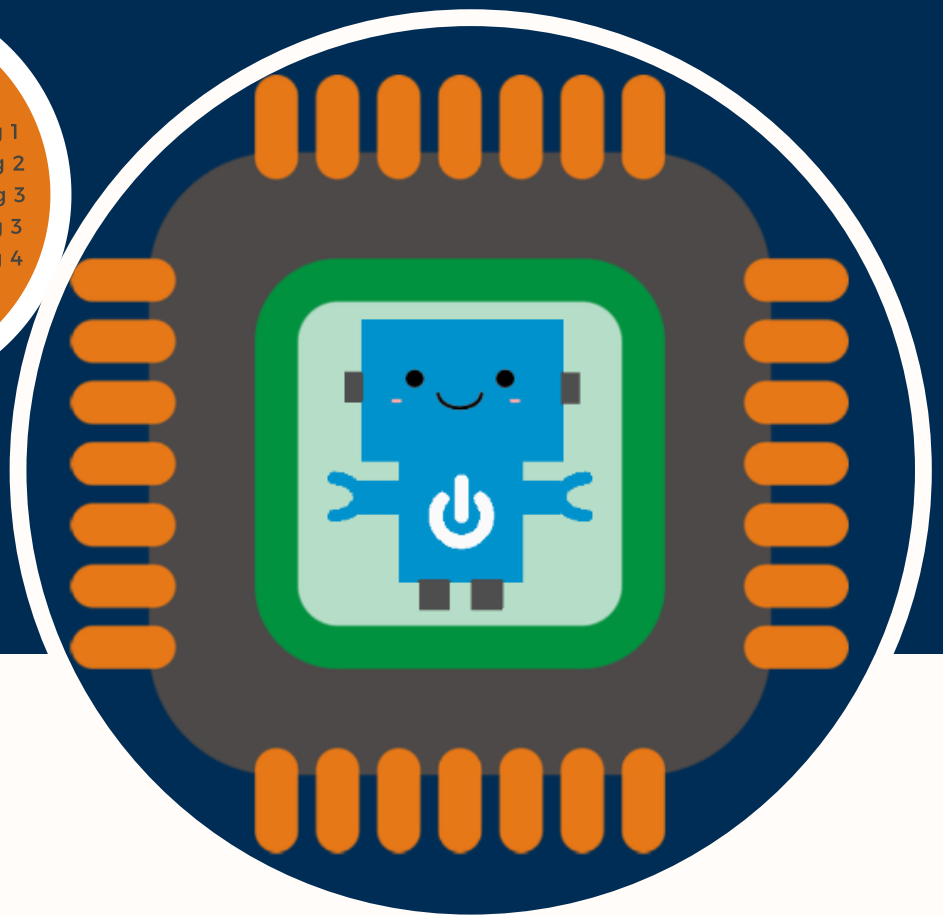


ROBOSTEM

 Erasmus+ Project No. 2019-1-RO01-KA202-063965

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A TRAINERS TOOLKIT TO FOSTER STEM SKILLS USING MICROCONTROLLER APPLICATIONS

Welcome from John Chircop (MECB Ltd)

Welcome to the first newsletter from the RoboSTEM group. You'll find that this newsletter serves as an introduction into an exciting project being undertaken through the Erasmus+ program directed to educational institutions and any other interested recipients to foster STEM skills.



AIM

The project RoboSTEM is intended to foster skills upon STEM subjects & create a curriculum for schools to use. The curriculum will include contents that aim to develop STEM skills in students and include examples of learning activities and evaluation methods. Topics include application of Maths, Physics, Chemistry, Biology & Technology.

TARGET GROUP

The Erasmus + RoboSTEM project is aimed at high school STEM teachers and their students.

Main Objectives of the project

The project is intended to project, program and use embedded systems for educational purposes catering mostly upon STEM (Science, Technology Engineering & Mathematics). Implementing learning activities in classrooms with the focus of familiarising students with new technologies based upon micro-controllers.

This will create a study platform for the free access to curricular resources upon the theme of creating and developing upon applications with micro-controllers. This will create new EU partnerships with the transfer of good practices and innovations between institutions that target the development of STEM skills.



What is the project about?

The main objectives of this project are to organise the design and construction of embedded systems in flipped classroom, use the devices to motivate students and increase scientific knowledge, to produce an innovative curricula, a collection of resources, a methodological guide and e-learning platform, which is to be piloted all of which having the focus on microcontroller technology. These resources will allow VET students to achieve relevant skills and competences. The high quality of these ones is guarantee by the quality of project's partners: three representative VET schools working with industry representatives, organizations and a technical university having first hand expertise in microcontroller technology, STEM subjects and VET.



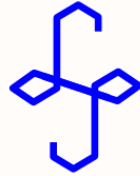
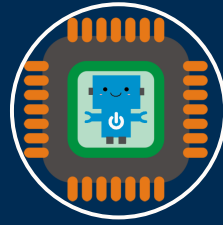
1st International Partners Meeting

The first meeting between the partners of RoboSTEM was done at the Liceul Teoretic de Informatica "Grigore Moisil", Romania on the 15th January 2020. During the meeting the partners monitored the tasks required for the project and planned accordingly a set of activities for the following 5 months.

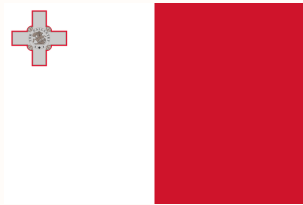


MEET THE PARTNERS

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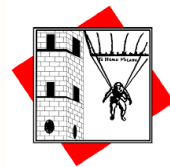
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