



Key Action 2
„Robotics ON” Strategic Partnership



Newsletter no 1

Project reference number: 2017-1-RO01-KA201-037335

„Robotics ON” Project

Strategic Partnership supporting innovation
Erasmus + Programme, Key Action 2
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NEWSLETTER NO 1

April 2018

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PARTNERS:

P1. Colegiul Național "Constantin Carabella"

Târgoviște, **ROMANIA**

website: www.carabella.ro

P2. Anyksciu Jono Biliuno gimnazija

Anykščiai, **LITHUANIA**

website: www.bilngimn.lt

P3. Budapesti Gépészeti Szakképzési Centrum Szily Kálmán Műszaki Szakgimnáziuma, Szakközépiskolája és Kollégiuma

Budapest, **HUNGARY**

website: <http://www.szily.hu>

P4. Istituto Istruzione Superiore A.Volta

Frosinone, **ITALY**

website: www.voltafr.gov.it

P5. S.C. SKA NET SRL

Bucharest, **ROMANIA**

website: www.itadviser.ro

P6. IMPLEMENT 24SOFTWARE SRL

Bucharest, **ROMANIA**

website: www.24software.ro

TARGET GROUP:

84 students (15-18 years old), 21 from each school, students interested in personal development, using ICT in the design and creation of robots, activities that will stimulate and increase the chances of employment at the right time.

OBJECTIVES:

1. Developing digital and entrepreneurial skills relevant to personal development and career.
2. Increasing the autonomy in terms of personal and professional development of the 84 students in Robotics Clubs, at least 32 of them competitive in programming / robotics.
3. Developing the capabilities to adapt, promote and exploit digital technologies by creating a robot, in each partner school, which solves a problem identified at school level.



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M1_FIRST TRANSNATIONAL PROJECT MEETING
6-8 December 2017

The first transnational meeting (M1) of the „Robotics ON” project (M1) was hosted by the „Constantin Carabella” National College (P1) and was attended by two Lithuanian teachers, two teachers from Italy, three teachers from Hungary and three representatives of the private companies SC SKA NET SRL and IMPLEMENT 24SOFTWARE SRL in Bucharest. They were joined by the P1 implementation team (six teachers and the accountant).

The meeting started with the College welcome program, Romanian students Crina Ioana Dionisie and Octavian Niculescu being guides to the guests in presenting and visiting the school. The Chairperson of CSS Carabella, student Teodora Popescu, and teacher Emilia Lixandru ensured the intercultural component of the meeting, by organizing stands with traditional Romanian products.

The agenda of the meeting included the most important aspects related to the planning, implementation, monitoring, evaluation, dissemination and promotion of the project.

During the three working days, the following management documents were discussed and improved: the logic matrix, the Gantt diagram for the first year of implementation, the internal and external communication plan, the Plan-Do-Check-Act methodology, the dissemination plan, the selection procedures from the target group, training sessions, organizing robotics clubs (21 pupils / school), reporting, monitoring and evaluation tools.



During the breaks, the guests were entertained by the Romanian students prepared by the teachers Daniela Olteanu and Justin Gropescu, who delighted the guests with Christmas carols and songs and the student Laurențiu Ciobanu made a brief presentation of his experience in programming robots and programming.

During the leisure time, the guests visited the Royal Court Museum and the Metropolitan Church, they met the representatives of the local authorities - deputy mayor Mr. Cătălin Rădulescu, with the General School Inspector of I.Ș.J. Dâmbovița - Mr. Sorin Ion and with representatives of non-governmental organizations (Mr. Teodor Bîte).





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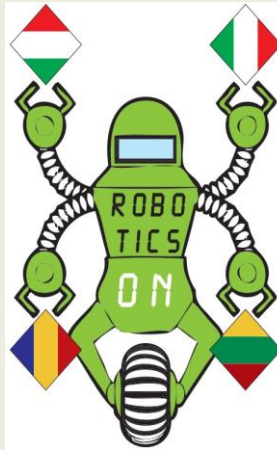
TARGET GROUP SELECTION 12 of January- 2nd February 2018

The selection of the project’s target group is realised in each school, respecting the procedure approved in M1, the commitments assumed in the approved project, the financial contract and its annexes, the Guide to the Erasmus Programme as well as the Management Guide to the Strategic Partnership Projects.

The purpose of the procedure was to select 84 students (21 students from each school), members of the Robotics Club in the respective school, students that are to take part in the training activities within the project (C1-C4) and 16 students in reserve.

The stages of the selection were: STAGE 1 – The analysis and the evaluation of the CV and the motivation letter, according to the evaluation grid; STAGE 2 – Interview in English and the presentation of the poster/logo, evaluation realised according to the grids from the procedure approved.

Here are some of the most successful student’s posters and the logo of the school in Lithuania, a logo chosen by students as the logo of the project.





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FIRST STEGP_C1 LEARNING ACTIVITIES
19-23 of March 2018

Host school: Colegiul Național „Constantin Carabella” (P1) Târgoviște, Romania

Participants: 30 students (10 students from P1; 7 students from Anyksciu Jono Biliuno gimnazija, Anykščiai, Lithuania (P2); 6 students from Budapesti Gépészeti Szakképzési Centrum Szily Kálmán Műszaki Szakgimnáziuma, Szakközépiskolája és Kollégiuma, Budapest, Hungary (P3); 7 students from Istituto Istruzione Superiore „Alessandro Volta”, Frosinone, Italy (P4); 4 accompanying teachers.

Trainers: Cătălin Oancea, Olimpia Oancea - trainers and Microsoft SQL Server consultants, with nationally and internationally recognized skills, experienced in delivering Microsoft training solutions, BI product development and ICT outsourcing consulting; representative of partner SC SKA NET SRL, Bucharest, Romania

Topics of the learning activities: Communication, Coordination, Teamwork related to System Project Management

Day 1: 19 March 2018, Palace of Justice Dâmbovița & „Valahia” University of Târgoviște

Presentation of participating schools and teams; presenting the experience of partner schools in programming and robotics;

Workshops: System Project Design Overview, System Project Planning Matrix, Logic Structure.





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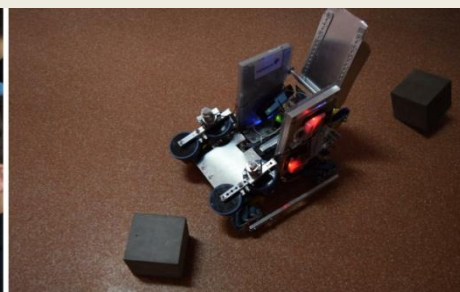


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Day 2: 20 March 2018, National College „Constantin Carabella” Târgoviște

Workshops: Project Planning Overview, Activity Planning Network Analysis, Resource Planning & Budgeting Overview Cost Management, Budgeting;

Cultural activities: Visit at the Museum Complex „Curtea Domnească”, Târgoviște.



First STEGP_Robotics ON_March 2018

Learning activities



Day 3: 21 March 2018, „Valahia” University of Târgoviște
Workshops: Work Breakdown Structure (WBS), Risk Management Lifecycle, Stakeholder Overview, Stakeholder Analysis.



Day 4: 22 March 2018, National College „C. Carabella” Târgoviște

Workshops: System Project Management Implementation Overview, Implementation Tracking.



Cultural activities: Visit at the Peleş Castle, Sinaia.



Festive dinner and farewell party.



Day 5: 23 March 2018, National College „C. Carabella” Târgoviște

Workshops: Monitoring Implementation Activities, Evaluation, SWOT Analysis.



Strengths points of the C1 learning activities:

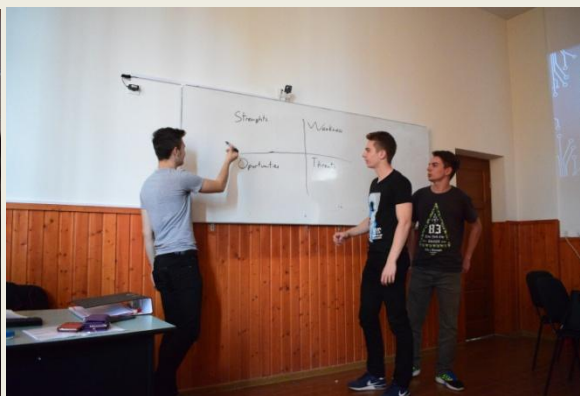
- The interest manifested by the majority of participating students towards their own personal development;
- The program of activities complied with Annex I of the grant agreement, adding cultural activities to contribute to the development of the European dimension of partner schools;
- Learning activities have contributed to the formation/ development of students' linguistic competences, by enriching the vocabulary with terms specific to the topics addressed;
- Friendship manifested by students during the 5 days of the first STEGP;
- The support provided by the families of Romanian students;
- The collaboration with stakeholders experienced in robotics and programming (George Radu and Petrișor Șerban);
- The collaboration with the Faculty of Electrical Engineering, Electronics and Information Technology of the „Valahia” University of Târgoviște and the Palace of Justice Dâmbovița, which provided space and logistics for some of the project activities.

ROBOTICS CLUB ACTIVITY
April- May 2018

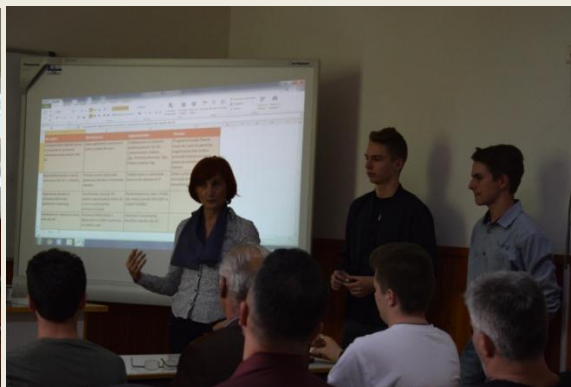
Workshop 1: The students participating in C1 undertook **peer-counselling activities** to share with their colleagues the C1 experience. In this regard, the students used the theoretical support of O1_ Module 1 and the ppt for dissemination C1 activities (acquisitions, lessons learned and photos taken during the learning activities in Romania).



Workshop 2: Students developed a **motivational speech** (for clarifications they will consult O1_ curriculum Robotics ON-Module 1) and a **SWOT analysis of the school's activity**. From the SWOT analysis they selected a weak point that actually was the problem they intend to solve with the robot they are going to build.



Workshop 3: BUILDING A TEAM dissemination workshop. Students presented the SWOT analysis and the motivational speech to teachers and other stakeholders and told them what robot they want to build and for what reason (what problem will solve/ improve the robot). They also benefited from the experience of teachers / guests, identifying together the resources needed to build the robot and group them into resource categories.



Workshop 4: Peer-counselling session. C1 participating students coordinated the elaboration of the work breakdown structure (WBS) / critical paths determined.



Workshop 5: Under the guidance of the Robotics Club coordinator teacher, students created a **draft of the project whose final product will be the robot**. The final project design and the Gantt diagram will be done in C2 (Lithuania), under the coordination of the two trainers of the private company SKANET.

Teodora Popa, Partnership Coordinator
Mihaela Gabor, P1 Public Relation Responsible