



Erasmus+



EDUCODE

E-Newsletter- Number 1



**Increasing the Competency of
Computer Science Teaching Undergraduates
on Coding Education**

2017-1-TR01-KA203-046578

This Project was funded by the Erasmus+ Program of the European Union. However, European Commission and Turkish National Agency cannot be held responsible for any use which may be made of the information contained therein

The aim of the project

The aim of the project is to develop new curriculum and teaching material in the field of Higher Education with a specific focus on ICT Teaching. These outputs will be specifically developed to ensure that Higher Education Students who are training to be teachers of ICT or STEM (Science, Technology, Engineering and Maths) will have up to date and highly demanded knowledge and skills in their field, such as:

1. motivating students to learn coding,
2. teaching basics of computer science like algorithms, sequences, loops, conditionals etc.
3. making Coding subjects fun and engaging for students,
4. teaching students the value of collaboration with others,
5. promoting computational thinking and problem-solving skills,
6. using and evaluation coding support tools such as Scratch, Alice, Code Monkey Island etc.

accessing relevant information sources and supports at a regional and



Kick Off Meeting

Kick Off Meeting 12-13 February 2018 DOKUZ EYLUL UNIVERSITY (DEU) – İzmir, TURKEY

Coding teaching is becoming more and more important in education in the world. Accordingly, teaching coding to children in primary and secondary level has begun in Turkey and some European countries. It may be a real challenge for ICT or STEM teachers to develop their pedagogical field knowledge to teach code and to be considered as one of the important issues to be studied.

The four universities in Europe “Dokuz Eylül University from Turkey, Zagreb University from Croatia, Maribor University from Slovenia, and Limerick Institute of Technology (LIT) from Ireland and APEC have come together to work collaboratively to contribute to Higher Education curriculum with a specific focus on teaching to teach coding to children. The project has been supported by the 2017 European Union Erasmus + KA203 Strategic Partnership project in the field of Higher Education.

The first meeting of the project (kick off meeting) has been held together with the partner countries hosted by Dokuz Eylül University, Buca Education Faculty on 12-13 February 2018,

Dokuz Eylül University
(DEU)

Limerick Institute of
Technology (LIT)

Maribor University
(MU)

Zagreb University
(FOI)

Advanced Project
Education Consulting
(APEC)

Dokuz Eylül University (DEU)

Dokuz Eylül University is a state university established in 1982 in Izmir, the third biggest city of Turkey. Regarding its experience of more than 30 years in higher education, the university has the advantage of acting at the center of regional network of universities in the Aegean region. It is the largest university in the Aegean Region regarding the number of students, academic and administrative staff. DEU is a dynamic university which keeps growing with 14 faculties, 10 institutes and graduate schools, 3 schools, state conservatory, 7 vocational schools, 54 research centers. It also embodies Dokuz Eylul Technology Development Zone (DEPARK).

The Department of Computer Education and Instructional Technologies (CEIT) at Dokuz Eylul University was established in 1997 with the goal of training information and communication technology teachers. It has four-year undergraduate education and a master degree program in the Institute of Educational Sciences.

As a result, DEU-CEIT have the expertise of both ICT teaching and instructional technology which means systematic and systemic analysis, design, development, implementation and evaluation of teaching using technology effectively. In addition, the department has the experience of technology integration to school environments.



Limerick Institute of Technology (LIT)

Limerick Institute of Technology (LIT) is an institution of higher education in Limerick publically funded by the Government of Ireland and set up under the IoT legislation. It is one of 13 such institutes in Ireland. The Institute has five campuses spread across Limerick City, County Tipperary and County Clare in the Mid West Region of Ireland.

LIT offers over 120 accredited courses from Level 6 certificates through to Level 10 (Ph.D.) across a range of disciplines including Information Technology, Applied Sciences, Social Sciences, Electrical, Electronic and Mechanical Engineering, Business and Art & Design. LIT also cater for craft apprentices, adult and continuing education, lifelong learning (on-line, blended and part-time) programmes. There are currently 610 staff at all campuses in LIT with 50% of these being academic staff. LIT is recognized for its active learning approach, it's applied research portfolio, social development inclusion and its enterprise development.



The University of Maribor (UM)

The University of Maribor (UM) is the second largest Slovene university and has seventeen faculties (Faculty of Economics and Business, Faculty of Electrical Engineering and Computer Science, Faculty of Energy Technology, Faculty of Civil Engineering, Faculty of Chemistry and Chemical Technology, Faculty of Agriculture and Life Sciences, Faculty of Logistics, Faculty of Natural Sciences and Mathematics, Faculty of Organizational Sciences, Faculty of Mechanical Engineering, Faculty of Tourism, Faculty of Criminal Justice and Security, Faculty of Health Sciences, Faculty of Arts, Faculty of Medicine, Faculty of Education, Faculty of Law).

Number of students in the academic year 2015/2016 is 14.962 (10.756 BA; 4.206 MA; 276 PhD). The UM has 1724,94 staff members (1,038 teaching – pedagogical and research stuff, 701 administration and technical support), 17 faculties. University members implemented 27 vocational Bologna programmes, 55 academic programmes (1st degree study programmes), 71 second-cycle (master's) programmes and 34 doctoral programmes.

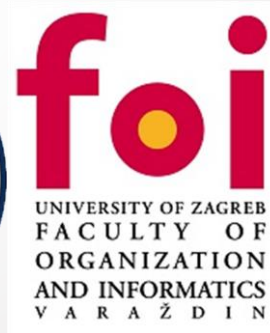


Univerza v Mariboru

University of Zagreb (FOI)

Faculty of Organization and Informatics (FOI) is a medium-sized faculty belonging to the **University of Zagreb (UNIZG)** with 3,000 students and 140 employees. Active for 50 years now, it is considered the leading higher education institution in Croatia providing education in information technology and information sciences. UNIZG (1669) is the oldest and the biggest university in SE Europe consisting of 33 faculties and art academies. With over 70,000 undergraduate, graduate and postgraduate students, UNIZG is the strongest teaching and research institution in Croatia and one of the most important higher institutions in the SE Europe.

Faculty of Organization and Informatics (FOI) is strong in the following research areas connected to the proposal: information systems and information technology, e-learning and open software, decision making and project management. FOI was the first faculty in Croatia to adopt the E-learning strategy (2008) which introduced that all courses should be taught as blended learning using LMS Moodle.



Advanced Project Education Consulting (APEC)

Advanced Project Education Consulting (APEC) is a project and education consulting company. APEC is an educational enterprise that mainly focuses on 21st Century Skills Education, designing education programmes, developing occupational standards and managing European Projects. APEC has 8 staff composing of researchers, trainers and project experts. APEC provides 21st Century Skills Education for many colleges in Ankara including Critical Thinking, Problem Solving and Information Literacy classes. Acquisition of Digital Skills are an important part of Information Literacy classes.

APEC also designs education programs and courses according to needs of companies and targeted groups, generally focusing on required skills in workplaces.

APEC also carries training programme for the staff of company in needed fields. APEC also develops professional standards in collaboration with relevant social partners and professional competency board. Professional competency and standards of Youth Leaders and Mining Operators have been developed by APEC.

APEC is also experienced in Project Management, has been developing and carrying out projects in the most competitive programs out GAP, process, and job analysis. According to results of these analysis, APEC designs such as Horizon 2020, FP7, CIP, LLP, Erasmus +, IPA and Development Agency Programs.

Next MEETING

Next meeting will be held on 29-30 May 2018, Limerick, IRELAND.
Further information about the the meeting organization will be provided by
Limerick Institute of Technology (LIT).

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