SE(i)Tlab

Software Engineering and Internet Technologies Laboratory
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The Software Engineering and Internet Technologies (SEIT) Laboratory focuses its research activities on two important areas of Information Technology, namely Software Engineering and Internet Technologies. In the first area, SEIT focuses on Cloud Computing, Service Oriented Architectures, Context-Aware Middleware Platforms and Smart and Mobile Computing for the development of pervasive, self-adaptive applications and Smart IoT services. In the second area, the Laboratory concentrates on the development of ICT-enabled Environments, platforms and tools for implementing Health monitoring and support services, Smart and Personalised services for Elders, Assistive Technologies for people with disabilities and Creativity services. The lab also pursues activities related to Technology Enhanced Learning, E-Business, E-Government and developing environments for elders' social inclusion, active ageing and independent living. Finally, the lab's research is also related to Creativity, Recommender Systems and Crowd Sourcing.

Participation in the 2014-2020 Erasmus+ Programme
SEIT has extensive experience in the area of applying ICT (Information and Communication Technologies) to e-Learning, m-Learning and Open and Distance Learning in general as well as Life Long Learning in particular. This expertise is both at technical level and at developing policies and qualification frameworks for such activities.

SEIT currently coordinates 5 Erasmus+ projects, VeLoCiTy, World-of-Physics (begun in 2016), DiFens, IDEA (begun in 2017), and wINGS (beginning in Dec.18). SEIT also participates in EASIER, EPUM, ELSE, AT-SGIRES and SENSE Erasmus+ projects.

Regarding Erasmus+ related themes, SEIT has participated so far in 13 Leonardo da Vinci projects, 3 EUMEDIS projects, 2 FP (Framework Programs), 1 INCO-DC and 3 projects funded by national funds. It has also participated in the EMUNI project ENPI/2009/226-479 (http://enpi.emuni.si/home) and the VUSCC initiative (http://www.vussc.info/) by COL (http://www.col.org/), both related to policy making or reform and qualifications accreditation. It has also participated in the Interreg IVC project Innofun, on developing policies and techniques for entrepreneurship and innovation.

For the 2019 call, the Laboratory is strongly interested in participating in proposals related to the above areas of expertise and addressing the following Erasmus+ priorities:
From Key Action 2, Strategic Partnerships, Knowledge Alliances, Sector Skill Alliances and IT Support Platforms, as well as all activities under Key Action 3 where our areas of expertise are relevant.

University of Cyprus

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Most Recent SEIT Projects Related To Erasmus+ Themes:

SCICHALLENGE HORIZON 2020:
The SCICHALLENGE project focuses on developing novel concepts to actively integrate young people in science education using acontest-based approach to self-produced digital education materials from young people for young people.

World-of-Physics - Erasmus+ (SEIT Lab Coordinator): The World-of-Physics Erasmus+ project aims to assist students in studying the physics domain with the utilization of innovative technologies like virtual reality.
http://worldofphysics.etcenter.eu

EPUM - Erasmus+ : Researching and Learning through multiple practices Erasmus+, Strategic Partnership for higher education: EPUM aims at the integration of different, often isolated urban form approaches through pedagogic innovation and Information and Communication Technology (ICT).

EASIER - Erasmus+, Knowledge Alliances: EASIER involves higher education institutions and companies that will, for the first time, bring together different training technologies to provide a multi-skills learning experience for surgical and interventional education. This Knowledge Alliance proposes an innovative solution for teaching and learning technical and nontechnical skills based on TEL.

AT-SGIRES – Erasmus+ tackles the problem of Smart Grids field knowledge being underrepresented in the existing technically overwhelmed teaching curricula at universities by integrating the SG and the methods of integrating RES to electrical grid in RE teaching programmes offered at HEIs in beneficiary countries.

SENSE aims on young people with lower skills either inside VET or unemployed to create change and address labour market needs through the professional development of a STEM Supporters programme deliverable across Europe including the use of digital technologies.

VALS will define sustainable processes to build knowledge partnerships between Higher Education (HE) and companies to collaborate on resolving real business problems through open innovation mediated by the use of Open Source Software (OSS).
http://virtualalliances.eu/

VeLoCiTy - Erasmus+ (SEIT Lab Coordinator): The proposed project deals with the problem to find a job in another country which is derived from culture and ethnic differences. The main goal is to eliminate any barriers, providing equal opportunities to remotely attend a series of consulting courses through an innovative platform, and therefore facilitating the transition to world of work.
http://velocity-project.eu/

IDEA - Erasmus+ (SEIT Lab Coordinator): The objective of the project is to improve the quality of practices in the education of adults on the challenges and opportunities related to energy poverty eradication.

DiFens - Erasmus+ (SEIT Lab Coordinator): The DiFens project concept is to elaborate such comprehensive, accessible and feasible outputs, which will navigate young people - potential young entrepreneurs and young entrepreneurs - in the process of utilizing ICT technologies in their business.

ELSE – Erasmus+ aims at designing and disseminating a strategy to achieve the fundamental European goal of redesigning Higher Education, facilitating the application of Bologna principles across Europe through the design of an integrated curriculum and of an innovative web platform.

Innofun aims at a methodology and digital tool, whose task is to improve regional policies concerning innovation funding, to achieve the goal of making the selection criteria flexible and reducing the communication gap between innovation and finance/market/people.
http://innofun.org/

V-ALERT aims at providing enterprises employees and ICT users with an immersive, cost-effective and innovative virtual learning environment that will fully support life-long learning in Information Security principles.
http://valert.cs.ucy.ac.cy/

idSpace: Tooling of and training for collaborative, distributed product innovation (STREP)
Duration: 2008-2010
Sponsor: European Union (FP7 - ICT)
Funding: €1,800,000
http://www.idspace-project.org