DESIRE

TEMPUS-project 544091-TEMPUS-1-2013-1-BE-TEMPUS-JPCR

P11-TSU Final Meeting

Courses development & pilot teaching:

Courses	Pilot Teaching
1. Module "Hardware for Embedded Systems"(150h (5 ECTS) + 120h (4 ECTS) **practical exercises with new equipment**) 2. Module „CAD/CAM/CAE for Embedded Systems" (80h (3 ECTS) + 80h (3 ECTS) **practical exercises with new equipment**) 3. Module "Software for Embedded Systems" (180h (6 ECTS) + 150h (5 ECTS) **practical exercises with new equipment**) 4. Digital Signal Processing 60h (2 ECTS) – additional module	**Training courses:** • Summer school - UKF, Slovakia • Master classes - in National Polytechnic University of Armenia, Yerevan • Spring School - Ilmenau University of Technology, Germany • Summer School - Thomas More University College, Belgium • Master Classes in Georgia • FPGA training - UKF, Slovakia **4 training courses at TSU for TSU teachers and students**
Amount of students participated in pilot teaching, trainings, Master Classes	20 students

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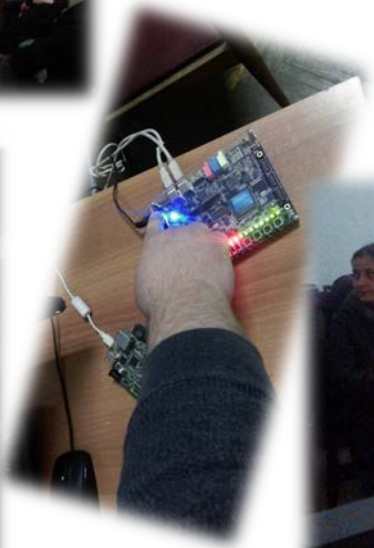
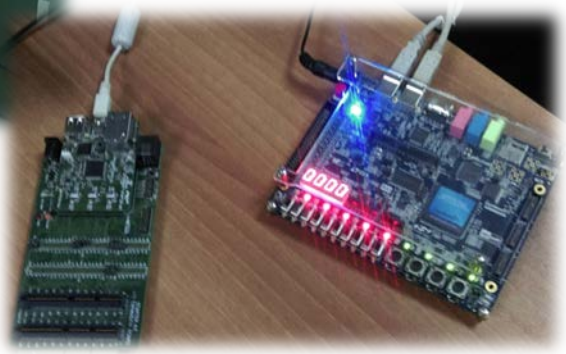



Equipment & learning tools

- GOLDi remote lab: Process Cell; Digital Demo Board
- Arduino Mega 2560 R3
- Danger-Shield Bausatz (SparkFun)
- mSD-Shield v2 (Datenlogger Shield)
- Drehencoder mit Taster PEC12R-4225F-S0024
- GLCD-Shield mit Display
- Ethernet-Shield R3 (Arduino)
- Raspberry Pi 2 Modell B - ARM Cortex-A7 Quad-Core
- Shield-Bridge (Raspberry Pi - Arduino Adapter)
- STM32F4-Discovery
- MI0283QT Adapter v2 (inkl. LCD)
- Cyclone V GX Starter Kit
- Formula AIICode Deluxe Class Set (+ license)
- 3D printer
- 5 PCs and 1 server for remote lab
- Altium nano-board
- PTC software; Altium software

ptc



Dissemination

- Dissemination via web-resources (TSU research-portal)
- Posters, Flyers

Dissemination and Enterprise Collaboration

Special Meeting dedicated to the dissemination of the TEMPUS-DESIRE project goals and expected results was organized. Representatives of research institutes, Georgian Research and Education Networking Association - GRENA and EMCoS Ltd. were invited.

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- Regional meeting with a representative of the TEMPUS Office Lika Glonti (February 2014)
- Meeting dedicated to the Joint Institutional Monitoring Visit of EACEA representatives at Ivane Javakhishvili Tbilisi State University on Erasmus Mundus and Tempus projects was organized on 22-23.10.2015

Quality control and monitoring meetings with the National TEMPUS Office representatives (7 November 2014, 29 June 2016, TSU)

Multiplier effects

One of the students of TSU EEE Department, Tornike Tchikadze who was involved in the project implementation, has submitted the grant proposal related to the Embedded Systems "Accelerometer sensors system developing in order to monitoring geodynamical procession the territory of Georgia" to the Shota Rustaveli National Science Foundation under the Call for MA research scholarships and got the funding for his Master Thesis.

Group of TSU EEE Dept. students founded a start-up company – LIMES LLC. Based on international experience, LIMES developed curriculum that gives possibility to children to get the skills and basic knowledge in Robotics and Electronics, Microcontrollers programing and Physics. The start-up became one of the most successful young companies in Georgia. Now they have more than 1000 school children and students.

Thank You for Your Attention!