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Georgian Technical University



Kick-off meeting of the Erasmus+ CBHE project

“PRINTeL”

Yerevan State University
15-16 February, 2018

Assoc. Prof. Boris Gitolendia
Faculty of Transportation and Mechanical Engineering

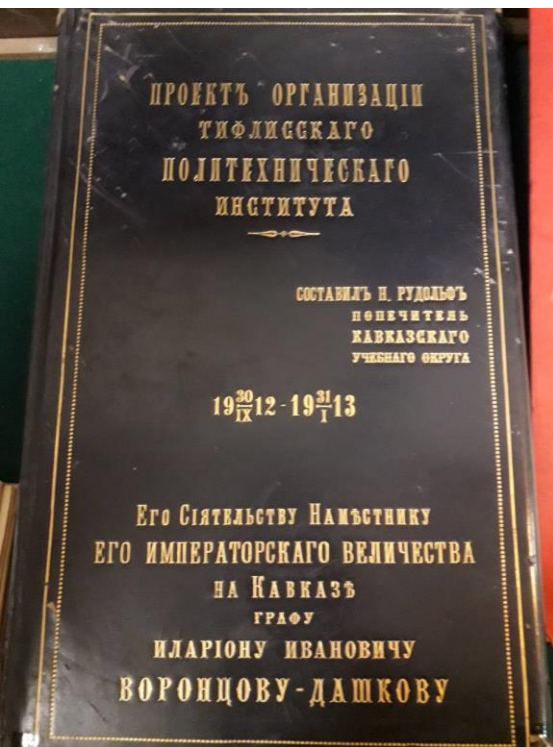
Yerevan, Armenia



GTU at a Glance

Georgian Technical University (GTU) is one of the biggest educational and scientific institutions in Georgia.

Main focus - providing opportunities to obtain excellent professional and academic skills maintaining internationally competitive education, research and innovation services significant for Georgia's sustained development.

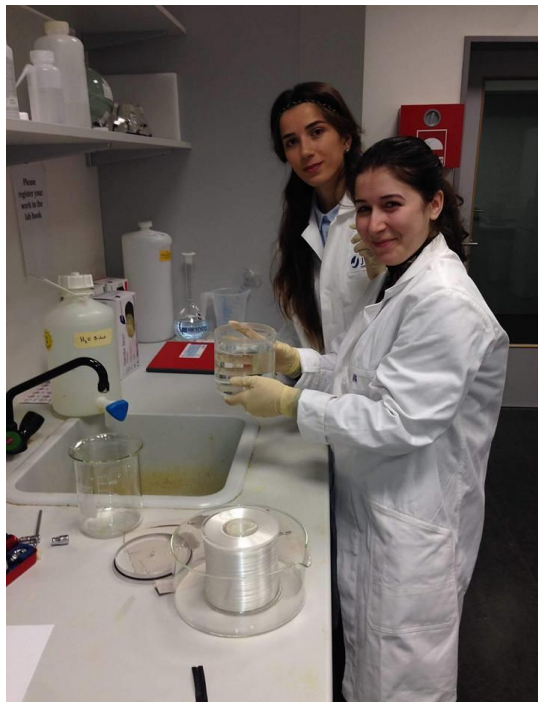


- 1917 - Russian Emperor issued the order, according to which was set up Polytechnic Institute in Tbilisi, the first Higher Educational Institution in Caucasian region;
- 1922 - was founded as a Polytechnic Faculty of Tbilisi State University;
- 1990 - Georgian Polytechnic Institute was granted the university status and renamed into Georgian Technical University (GTU);
- 2001 - GTU became a full member of the European University Association – EUA;
- 2005 - Georgia joined Bologna Process.



Facts and Figures

- Faculties 12 (including Engineering, Technology, Humanities, Law, Business, Social Sciences);
- Departments - 71;
- Scientific and Educational Centers – 127;
- Affiliated Scientific-Research Institutes – 17;



- ✓ Vocational students – 993
- ✓ Undergraduate students – 18719
- ✓ Postgraduate students – 1251
- ✓ PhD students – 640
- ✓ Foreign students – 652
- ✓ Academic Personnel–1228
- ✓ Full Professors-505
- ✓ Associate Professors–533
- ✓ Assistant Professors–190
- ✓ Invited Professors–279
- ✓ Teachers–369
- ✓ Supporting Staff-2179



Educational Programs:

211 accredited curricula

- 44, out of 184 Vocational programs are currently active-each 150 ECTS;
- 69 Bachelor's degree programs - each 240 ECTS;
- 46 Master's degree programs - each 120 ECTS;
- 38 PhD programs - each 180 ECTS;

**Languages of Study (4): Georgian
Russian
English
German**



List of HE Programs in Foreign Languages

• Bachelor's Programs in English	11
• Master's Programs in English	7
• PhD Programs in English	2
• Bachelor's Program in Deutsch	1
• Bachelor's Programs in Russian	23
• Master's Program in Russian	3
• PhD Program in Russian	1

668 foreign Students are studying at Georgian Technical University



International Partnerships

GTU has advanced partnerships in the fields of education and research with the world's leading organizations, such as KEK – High Energy Accelerator Research Organization (Japan), Forschungszentrum Jülich GmbH (Germany), CERN - European Organization for Nuclear Research (Switzerland), JINR - Joint Institute for Nuclear Research (Dubna), German Sustainable Building Council, DGNB (Germany).

Distinguished Professors from various countries are delivering lectures at GTU.



International Relations

Institutional Membership in International Networks and Associations

- EUA – European University Association (Brussels, Belgium);
- ITU - International Telecommunication Union (Geneva, Switzerland);
- Black Sea Universities Network (Romania, Constanta);
- Association of American Colleges and Universities (AAC&U) (USA);
- Association “ Rondine Cittadella della Pace” (Arezzo, Italy);
- European University of Information Systems (EUNIS) (Paris, France);

GTU has beneficial partners from various research and scientific-educational institutions and organizations, including up to 64 local and 79 international organizations.



Georgian Technical University as Coordinator/Partner of European Educational Projects (1996 - present)

- TEMPUS Projects - 15
- Erasmus Mundus Projects - 5
- FP7 Projects - 6
- ERASMUS+ Key Action 2 Projects - 3
- ERASMUS+ Key Action 1 Projects - 28



ERASMUS+ *Participants Mobility Statistics within “Key Action 1” Projects at GTU (2015 – present)*

Incoming Academic/Administrative Staff	35
Outgoing Students	39
Outgoing Academic/Administrative Staff	31



Teaching & Learning Practices

Forms and Methods of Achieving Learning Outcomes:

- Lecture/Seminar;
- Guest Lecturer, Co-Teaching;
- Practical Classes (Team Working, Exercises, Case Study, Presentation);
- Group work/Discussions, Role Play;
- Course Work/Project;
- Assignments by Business Sector;
- Independent Work (Reading and Comprehension);
- Reading and Rendering.



Teaching & Learning Practices

➤ **Pilot E-Learning center at GTU;**

Developes and pilots e-Learning courses, namely:

- Virtual Communication;
- Project Management;
- Introduction to Managerial Economics;
- Introduction to Web-Design;

This e-Learning center was created within the project ARMAZEG. Overall aim of the project was to support higher education institutions in Armenia and Georgia in order to use technology for enhancing education of both university students and lifelong learners (LLL);

➤ **GTU has Rosetta Stone® language learning licensed Platform;**

The Platform includes American English, British English, Dutch, French, German, Italian, Spanish, China. The Learning platform is user-friendly, as the software comprises Beginner, Intermediate and Advanced levels.

This program is equally accessible both for Students and Staff.



Teaching Staff Development Centers

CPDESC - Center for professional development, science, education and culture

- The Center provides workshops, seminars and trainings on a variety of teaching and learning issues;
- The Centre works in partnership with academic units, faculty members, and students to enhance the practice and learning and teaching at University;
- The Centre takes an evidence-based approach to curriculum planning and services to support the application of technology in education, as well as institutional policies and infrastructure to enhance the learning environment;
- The Center offers teaching-orientated training for the faculties as well as lectures and workshops.
- The Center also develops mentoring programs.



Teaching Staff Development Centers

GTTC - Georgian Technical Training Center

GTTC is a successful example of public-private partnership. The overall budget of the project is 5.5 million US dollars, whereas 2.3 million US dollar is a grant amount from the Millennium Challenge Account and the remaining – co-financing share from the state and private sectors.

GTTC mission is to support, promote, and enhance teaching effectiveness and students learning. Provides activities and services to help individuals, departments and programs to identify and achieve their desired level of teaching excellence.

The GTTC Lab is for teacher training. Currently, the GTU teachers are mostly re-trained at the lab by international experts.

Each program is in compliance with the European standards and successful graduates besides national diploma can get international certification;



Current Issue

- Lack of teaching staff with new pedagogical approaches, innovative T&L methods, ICT & online learning tools, etc.;
- Lack of modern ICT and e-learning instructional technologies;
- Students' concern about boring and outdated lectures and need of more experimental/innovative learning activities;
- Need of redesigning of some courses
- Still need to promote greater awareness on the types and methods of innovative and technology-enhanced T&L and to share best practice.



Challenge

University authorization process:

- Oncoming authorization process is the instrument for external evaluation of compatibility of the institution with the standards to promote educational quality development required by the National Center for Educational Quality Enhancement.
- It's a procedure for obtaining the status of a higher education institution (HEI);
- The goal of HEI authorization standard is to fully assess the institution including: its resources; regulations; carried out current and planned activities; achieved results and feasibility to reach intended goals.



Authorization Standards concern:

- a) Mission and strategic development of the HEI;
- b) Organizational structure and management of the HEI;
- c) Educational Programmes;
- d) The HEI Staff;
- e) Students and their support services;
- f) Research, development and other creative work;
- g) Material, informational and financial resources.



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Thank you!

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