



Main outcomes of the project will be

- To Create a new MSc programme at the AndMI, JizPI, TerSU, TICMAR, TIRE and TUIT;
- a Full Master of Science curriculum with 12 courses for UZ Universities, which meet EU standards;
- fully functional and well equipped 6 Intelligent Transport systems labs with all tools for analyses and experiments in the areas.

Project management structure

- Coordinator (GUT)—UZ co-coordinator (TICMAR) – Project administrators at each partner institution.
- GUT, UNIZA, AKU and TICMAR are responsible for operational management of INTRAS.

Creation of new laboratories at UZ universities:

- j. Identification of Software and hardware list needed for project goals.
- k. Procurement of hardware and software tools including books and other materials.
- l. Preparation of space for project laboratories at UZ universities.
- m. Establishment of Intelligent Transport systems labs at 6 UZ universities.



Erasmus+

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**Intelligent Transport
 Systems:
 New ICT-based
 Master's Curricula
 for Uzbekistan –
 INTRAS**

CONSORTIUM OF INTRAS

Universities of Programme Countries:

- Grantholder: Gdansk University of Technology (Poland)
- Austria: Klagenfurt University
- Slovakia: Zilinska University in Zilina

Uzbekistan:

- Tashkent Institute Design, Construction and Maintenances of Automotive Roads;
- Tashkent Institute of Railways Engineering;
- Tashkent University of Information Technologies;
- Andijan Machine Building Institute;
- Jizzakh Polytechnic Institute;
- Termez State University;

UZ Nonacademic Partners

- Ministry of Higher and Secondary Specialised Education;
- The Jizzakh department of Uzbek Agency for Automobile and River Transport;
- "Toshshaxartransxizmat" stock company;
- Via –Tashkent LLC

Project duration

- 36 months
- 15 October 2017–14 October 2020

Grant proposed: € 814 63

Project activities

The activities of the project are distributed evenly for 3 years as follows:

- a. Project initiation meeting held in UZ .
- b. Selection of potential professors, experts and professionals at UZ universities.
- c. Intensive English courses in three levels (beginner, pre-intermediate, intermediate) for target groups of students, teachers and experts.
- e. The computer skills improvement courses for the target group of 60 students will be organized.
- f. Intensive trainings for 1.5 weeks.
- g. Needs assessment and analysis of current educational programs at UZ universities
- h. The list of 12 courses within the planned MSc program are:
 - 1. Transportation systems (32hrs/lec,32hrs/prac,32hrs/lab);
 - 2. ITS basics(32hrs/lec,32hrs/prac);
 - 3. Mathematical tools(32hrs/lec, 32hrs/prac);
 - 4. Automated Data Acquisition and Processing(16hrs/lec, 16hrs/prac,16hrs/lab);
 - 5.ITS management(48hrs/lec, 48hrs/prac);
 - 6.Traffic modeling and simulation (32hrs/lec,48hrs/prac,32hrs/lab);
 - 7.Telecommunication(48hrs/lec, 32hrs/lab);

- 8.Specialization in ITS I and II (48hrs/lec,48hrs/prac,48hrs/lab);
- 9.Traffic safety(48hrs/lec, 32hrs/prac,48hrs/lab) ;
- 10.GIS for Transportation(32hrs/lec, 32hrs/prac,32hrs/lab);
- 11.Theory and Methodology of Science(16hrs/lec,32hrs/prac, 16hrs/lab);
- 12.Required elective Module (48hrs/lec,48hrs/prac,32hrs/lab).
- All these courses will be taught in English.
 - i. Design requirements for thesis works and projects based on Intelligent Transport system problems of regions of Uzbekistan.
 - n. Preparation of training courses for industries and public institutions in the 2nd year. Trainings, seminars, workshops at UZ universities. The project established laboratories will be arranged in the 2nd year. For preparation and teaching of all these trainings 30 academic staff from UZ universities and target groups will be involved.
 - o. Development and publishing a website of the project in English and Uzbek languages.