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STEM STAFF MOBILITY REPORT **within the framework of Erasmus+ KA2 project** **“INTEGRATED APPROACH TO STEM TEACHER TRAINING”**

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2. **Place of work and position:** L.N.Gumilyov Eurasian National University, assoc.professor
2. **Host University, country, city:** Hacettepe University, Turkey, Ankara
3. **Mobility period:** from December 12 till December 18, 2022.
4. **The purpose of mobility:** The development of the STEM approach in education and the exchange of experiences.

Several meetings were held in scientific educational centers (Science center Feza Gursay, Interactive science center, Science and Technology History Exhibitions), which provide each student with tools for innovative thinking and experience on how to use mathematics, engineering, and science to solve various professional problems: developed logic and thinking; the ability to set and solve problems; a scientific view of the world: the ability to explore, analyze, prove; teamwork, communication; creation; digital technology and discussed STEM approaches in education.

During the discussion, the issues of the prospects for the development of STEM education, and building links between educational institutions and business entities (scientific institutions, projects, high-tech industries, etc.) were considered to give students the opportunity to work on real projects;

At Hacettepe University, the main direction is focused on the development of scientific research and engineering practices; as evidence, we can mention a multidisciplinary Technopark.

In the Hacettepe Technopark, there are opportunities for motivated students to succeed in the field of science and technology, enter the technology sector and succeed: motivation for engineering and technical specialties and careers in science and technology; access to laboratories where experiments are carried out and industrial problems are solved for experience and practice; lack of barriers limiting career and professional growth; advanced knowledge in science, technology, engineering, and mathematics.

Studied STEM technologies (digitized museum exhibits and e-books, etc.) on the basis of museums, libraries, galleries, and other public spaces, to which there is free access to all interested persons.

The following issues were noted at the seminar (Hacettepe University): training of specialists with general STEM literacy and general skills of problem-oriented thinking, that is, those who have digital and social competencies to set and complete tasks in any field and professional field (in medicine, ecology, psychology, IT, pharmaceuticals, nanotechnologies, aircraft industry and others spheres).

Participant



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