



***Erasmus+ KA2 Capacity Building project***

**Modernization of Mechatronics and Robotics for Bachelor degree in Uzbekistan through Innovative Ideas and Digital Technology (MechaUz)**

***18-22 July 2022***

**MECHAUZ 4<sup>th</sup> PPM & 2<sup>nd</sup> Training**

**Viana do Castelo, Portugal**

**Venue: Rua Escola Industrial e Comercial de Nun'Álvares, N 34  
4900-367 Viana do Castelo**



## Participating Institutions

IHU International Hellenic University, Greece  
SEERC South East European Research Centre, Greece  
Vilnius Gediminas Technical University, Lithuania  
Liepāja University, Latvia  
Vidzeme University of Applied Sciences, Latvia  
Polytechnic Institute of Viana do Castelo, Portugal  
Andijan Machine-Building Institute, Uzbekistan  
Turin Polytechnic University in Tashkent, Uzbekistan  
Fergana Polytechnic Institute, Uzbekistan  
Tashkent University of Information Technology, Uzbekistan  
Karshi Engineering-Economic Institute, Uzbekistan  
Tashkent State Technical University, Uzbekistan  
Ministry of Higher and Secondary Specialised Education System of Uzbekistan, Uzbekistan

### Sunday 17, July 2022

Arrival and check-in of the participants in the hotels.

### DAY 1 Monday, 18 July 2022 – PPM Meeting Rua Escola Industrial e Comercial de Nun'Álvares, Nr 34 4900-367 Viana do Castelo

10:00 – 10:30	Visitors reception
10:30 – 11:00	<b>WP2 Development / Finalisation of the new BSc Program</b> <ul style="list-style-type: none"> <li>Curricula Implementation and Final Version presentation <b>Vytautas Bučinskas</b> Vilnius Gediminas Technical University, Lithuania</li> </ul>
11:00 – 11:30	<b>Accreditation &amp; Certification Progress</b> (roadmap and timeplan of accreditation process) <b>Utkir Khamdamov</b> - Professor at the department of Hardware and software of management systems in telecommunication, TUIT
11:30 – 12:00	Coffee Break
12:00-13:00	<b>WP3 – Development of the new training courses and organizing trainings for UZB teachers, staff and engineers</b> <ul style="list-style-type: none"> <li>2nd Training event details – Schedule <b>Duarte Alves</b>, IPVC, Portugal</li> </ul>
13:00 – 14:30	Lunch Break



	<b>Polytechnic canteen restaurant</b> Serviços de Acção Social do Instituto Politécnico de Viana do Castelo Largo 9 de Abril 177, 4900-339 Viana do Castelo
<b>14:30 – 15:30</b>	<b>Opening, Welcome</b> <ul style="list-style-type: none"> <li>Welcome speech <b>Carlos Rodrigues</b>, President of IPVC.</li> <li>Welcome speech <b>Ana Paula Vale</b>, Director of International Relations Office, IPVC;</li> <li>Welcome speech and Recap on Project Situation <b>Thomas Thomidis</b>, Project Coordinator, International Hellenic University, Greece;</li> <li>Welcome speech and Accreditation process <b>Kholikov Abduvali</b> - Head of the Main Department, Ministry of Higher and Secondary Specialised Education System of Uzbekistan</li> <li>Project presentation and current status in Uzbekistan <b>Javlonbek Rakhmatillaev</b> Andijan Machine-Building Institute, Uzbekistan</li> <li>Presentation of IPVC and scheduled week activities <b>Duarte Alves</b>, IPVC, Portugal</li> </ul> <p>Moderator: <b>Anastasios Ntabizas</b>, South East European Research Centre, Greece</p>
<b>15:30 – 16:30</b>	<b>WP4 – Establishment of iLABs</b> Discussion and Establishing of iLabs Each Uzbek HEI will present point of situation and short video.
<b>16:30 – 17:00</b>	<b>Sustainability of Project MECHAUZ</b> Joint exchange programmes and projects  <b>Javlonbek Rakhmatillaev</b> , Andijan Machine-Building Institute, Uzbekistan
<b>19:00</b>	<b>Bus departure</b> (transport by bus to Santa Luzia hilltop temple to city sightseeing and to restaurant)  Venue: Hotel do Parque Praça da Galiza 4900-476 Viana do Castelo
<b>20:00</b>	<b>Welcome Dinner</b>



**DAY 2 Tuesday 19 July 2022 - Bus Tour**  
**Praça da Galiza, 4900-476 Viana do Castelo**

<b>8:30</b>	<b>Meeting of the participants</b> Venue: Hotel do Parque Praça da Galiza; 4900-476 Viana do Castelo
<b>9:00</b>	<b>Bus Departure</b>
<b>10:00 – 12:00</b>	<b>Visit to CITIN - Industrial Technological Interface Centre</b> ( <a href="https://www.citin.pt/home/">https://www.citin.pt/home/</a> )  <b>Visit to IPVC Mechanical Engineering Laboratories</b>  <b>Location:</b> <a href="https://goo.gl/maps/oBvu25yyUCdfMUhK6">https://goo.gl/maps/oBvu25yyUCdfMUhK6</a>
<b>12:30-13:30</b>	<b>Visit to Superior Agriculture School (ESA - IPVC)</b> (Visit to former Monastery)
<b>13:30-14:30</b>	<b>Lunch Break</b> <b>Polytechnic canteen restaurant (ESA - IPVC)</b> Rua D. Mendo Afonso, 147 Refóios do Lima; 4990-706 Ponte de Lima
<b>15:00-17:00</b>	<b>Visit to historic old town of Ponte de Lima</b> Passeio 25 de Abril 17, 4990-045 Ponte de Lima
<b>18:00</b>	<b>Arrival to Viana do Castelo</b> Venue: Hotel do Parque Praça da Galiza; 4900-476 Viana do Castelo

**DAY 3 Wednesday, 20 July 2022 – PPM Meeting**  
**Rua Escola Industrial e Comercial de Nun'Álvares, Nr 34**  
**4900-367 Viana do Castelo**

<b>10:00 – 10:30</b>	<b>WP5 - Quality Control and Monitoring</b>  <ul style="list-style-type: none"> <li>Quality Evaluation <b>Anastasios Ntabizas</b> South East European Research Centre, Greece</li> </ul>
<b>10:30-11:30</b>	<b>WP6 - Communication, Dissemination and Visibility for the project</b>  <ul style="list-style-type: none"> <li>Overview of activities / next actions <b>Nodirbek Ismailov</b> Fergana Polytechnic Institute, Uzbekistan</li> <li>Website <b>Javlonbek Rakhmatillaev</b> Andijan Machine-Building Institute, Uzbekistan</li> </ul>
<b>11:30-12:00</b>	<b>Coffee break</b>



<b>12:00-13:00</b>	<b>WP7 - Financial Management Issues</b>
	<b>Thomas Thomidis</b> International Hellenic University, Greece;
<b>13:30-14:30</b>	<b>Lunch Break</b> <b>Polytechnic canteen restaurant</b> Escola Superior de Tecnologia e Gestão (ESTG) Avenida Atlântico, Nº 664 4900-498 Viana do Castelo
<b>14:30-16:30</b>	<b>Tour Visit at ESTG campus, IPVC</b>
	Venue: Escola Superior de Tecnologia e Gestão Avenida Atlântico, Nº 664 4900-498 Viana do Castelo
<b>16:30-17:00</b>	<b>Discussion upon 3rd day – Recap</b> <b>End of the Day 3</b>

**DAY 4 Thursday, 21 July 2022 1<sup>st</sup> Day TTT**  
**Escola Superior de Tecnologia e Gestão**  
**Avenida Atlântico, Nr 664**  
**4900-498 Viana do Castelo**

<b>9:00-9:15</b>	<b>Meeting of the participants (Trainees) in ESTG – IPVC</b> (2 trainees per each Uzbek HEI)
<b>9:15-9:30</b>	<b>Training session opening</b> <b>Duarte Alves</b> , IPVC, Portugal  Introducing training teacher <b>Prof. Júlio Pires</b> (IPVC teacher)
<b>9:30-12:30</b>	<b>Training: Operation and basic programming of ABB Robots (Total: 16h, 2 days)</b>
	General view of the system; Movement of arms; Defining tools and working objects.
<b>12:30-14:30</b>	<b>Lunch Break - Polytechnic canteen restaurant</b> Escola Superior de Tecnologia e Gestão Avenida Atlântico, Nº 664 4900-498 Viana do Castelo
<b>14:30-17:30</b>	<b>Training: Operation and basic programming of ABB Robots (continuation)</b>
	Introduction to programming; Inputs and outputs; RAPID language.



**DAY 5 Friday, 22 July – 2<sup>nd</sup> Day TTT**  
**Escola Superior de Tecnologia e Gestão**  
**Avenida Atlântico, Nr 664**  
**4900-498 Viana do Castelo**

<b>9:00-12:30</b>	<b>Training: Operation and basic programming of ABB Robots (continuation)</b>
	Servicing the robots; Operation of robot arms.
<b>12:30-14:30</b>	<b>Lunch Break - Polytechnic canteen restaurant</b> Escola Superior de Tecnologia e Gestão Avenida Atlântico, Nº 664 4900-498 Viana do Castelo
<b>14:30-17:00</b>	<b>Training: Operation and basic programming of ABB Robots (Final practice)</b>
	Operation of robot arms; Final practice.
<b>17:00 – 17h30</b>	<b>Certificates ceremony</b> Handing over of training certificates.