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Start în Robotică cu Erasmus+
2025-1-RO01-KA122-VET-000340573

Start in Robotics with Erasmus+

15.10.2025 – 14.09.2026

Mobility project in the field of education and vocational training (VET)

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Background

The brochure "Start in Robotics with Erasmus+" was developed within the project with the reference number 2025-1-RO01-KA122-VET-000340573, funded by the European Union through the Erasmus+ program and beneficiary being the "Grigore Moisil" Onesti National College.

The project aimed to modernize the practical training process and to offer students the opportunity to develop their technical, digital and STEM (Science, Technology, Engineering and Mathematics) skills at European standards. This initiative has significantly contributed to the internationalization process of the "Grigore Moisil" Onesti National College, strengthening the European dimension of the vocational and technical education promoted by our institution.

This publication captures the path, results and atmosphere of the mobilities, including details about the conduct of the internships and the achievement of the proposed objectives, articles written by the students, representative images from the practical activities in the field of robotics, the cultural program, as well as testimonials of the beneficiaries.

The 24 students who carried out the internship in Cyprus (between 10.05.2026 and 23.05.2026) participated as collaborators in the drafting of the brochure, under the guidance of the team of coordinators made up of the 3 accompanying teachers:

Prof. Melinte Elena-Carmen

Prof. Buzatu Cristina-Lăcrămioara

Prof. Petre Simona-Elena

Start in Robotics with Erasmus+

The project carried out in the "Grigore Moisil" National College in Onești responded to the college's need to increase the quality of initial professional training and career orientation of students from the real profile, the mathematics-computer science specialization, to the jobs of the future. Our college has developed solid partnerships with EU institutions and IT economic agents in Cyprus.

The beneficiary of the project **"Start in Robotics with Erasmus+",** with the reference number **2025-1-RO01-KA122-VET-000340573**, was the "Grigore Moisil" National College Onești, the implementation period being **15.10.2025 – 14.09.2026**.

The funding received from the European Commission was **66,326 Euros**.

The proposed objectives were:

- Increasing the level of knowledge, skills and practical competences of robotics for 24 students from the tenth and eleventh grades, mathematics-computer science profile, through 60-hour internships in IT companies in the EU area.
- Improvement, by the 24 beneficiaries of European VET mobility, of personal performance, linguistic, social, intercultural, digital and entrepreneurial skills.
- Increasing the prestige and internationalization capacity of the "Grigore Moisil" Onești National College through successful cooperation with IT companies and institutions in Cyprus.

The expected results of the project were:

- 24 students with developed knowledge, skills and practical competences of robotics;
- 24 **Europass Mobility certificates**;
- 24 **Training Agreements** with robotics theme;
- 24 practice notebooks and digital portfolios;
- Connecting the college to the IT job market in Cyprus;
- 2 articles on robotics;

- The "**IT Jobs of the Future" project,** carried out during the 2025-2026 school year.

Sustainability:

- 1 project site with RED results and resources: startinrobotica.moisilonesti.ro
- VET accreditation, corresponding to the period **01.02.2026 – 31.12.2027**;
- A 10-hour curricular aid, "Start IT-Robotics", carried out by the beneficiaries together with their colleagues from the school: Arduino course auxiliary access;
- A "Good Practices" material submitted to the College's Board of Directors.

The management team was made up of:

Enache Irina-Livia – Legal Representative and Monitoring Officer

Melinte Elena-Carmen – Project Coordinator

Buzatu Cristina-Lăcrămioara – Selection and Training Manager

Petre Simona-Elena – Dissemination Manager

Sandu Elena Lidia – Financial Manager

The main stages of the project were:

- Information and promotion of the project
- Recruitment and selection of participants
- Participant training
- Mobility
- Follow-up and reporting

Transversal activities: project management, publicity and dissemination.

The recruitment and selection stage of the participants involved a competition held between **26.11.2025 – 12.12.2025** in which 43 students registered and 24 were selected.

The eligibility criteria were**:**

- Students enrolled at the "Grigore Moisil" Onesti National College, real profile, mathematics-computer science specialization, in the tenth and eleventh grades at the time of mobility;
- Not to have had a low grade in behavior in the 2024-2025 school year;
- Have not benefited from funding for previous VET mobilities.

The participants signed a declaration by which they committed to take the exam "Attestation of professional skills in computer science" at the end of high school.

The selection criteria were**:**

- Minimum A2 level of conversation in English;
- Knowledge of work environments (Windows, C++) and the use of Web platforms;
- Communication skills, knowledge of the project data (provided on its website) and their use in filling in the application file and at the interview test;
- Moral qualities, behavior, team spirit, etc.

The selection tests included**:**

- Registration file for the selection competition;
- English knowledge assessment test;
- Interview;
- Practical test;
- Digital portfolio;
- Additional score: gender equality (supporting girls in STEM activities) and vulnerable categories.

The stage of preparation of the participants included the training of students in the following areas:

- Pedagogical training and risk management;
- Cultural training;
- Language training;
- ECO practices.

Mobility stage:

The beneficiaries – the 24 students from the tenth and eleventh grades – not having the opportunity to practice in the field before this project in the regular school curriculum, benefited from a first transnational practical learning experience, completed by obtaining **Europass Mobility** certificates. Through the intermediary organization **OPEI (Organization for Promotion of European Issues)** in Cyprus, our students carried out practice activities in the field of robotics within the companies **Lazarou CTC** (E10156628) and **SSM Global Training Services LTD** (E10093988).

The practical activities combined elements of programming (C++) with elements of robotics (Arduino), notions of physics (electronics) and elements of the category of environmental sciences (ecological practices).



Follow-up step:

Upon returning from the internship, the beneficiary students carried out multiple activities to disseminate the knowledge, skills and experiences acquired among their classmates, **college** students and in two secondary schools in Onești.

An attractive **"Tech Break" activity** was organized in the courtyard of the college, where the participants in the internships set up stands with some of the products made in mobility and shared their experiences with the students and teachers of the high school.



A representative activity that marked the end of the project was **the Round Table** with the theme "VET Experience", held in the Aula of the "Radu Rosetti" Municipal Library Onești, on 11.09.2026. This allowed the beneficiaries to disseminate and value the results of the project, to share the success stories and to motivate the audience to get involved in future projects.



Articles

Arduino Components

Overview of boards, sensors, and motors commonly used in electronics projects

Author: Vîlcu David – grade XI-a B

Coordinating teacher: Melinte Elena-Carmen

1. Arduino Board



Arduino is a development board based on a microcontroller. Its role is to read signals from sensors, process this data according to a program written by the user, and control other components (LEDs, motors, screens, etc.) based on the results.

How it works

The board has digital pins (used for HIGH/LOW signals, i.e. 0V or 5V) and analog pins (which can read variable voltage values, internally converted into a number between 0 and 1023 through an analog-to-digital converter). The microcontroller executes the code loaded from the computer through the USB port, using a bootloader that allows the board to be reprogrammed without additional equipment.

Structure of a program (sketch)

Arduino code is written in C/C++ and always has two mandatory functions: setup(), which runs only once at startup (for initializations, e.g. pinMode), and loop(), which repeats continuously while the board is powered.

```
void setup() {
```

```
 pinMode(13, OUTPUT); we configure pin 13 as the output
 Serial.begin(9600); we start serial communication
}

void loop() {
 digitalWrite(13, HIGH); turn on the LED on the board
 delay(1000); wait 1 second
 digitalWrite(13, LOW); turn off the LED
 delay(1000);
}
```

2. Ultrasonic sensor (HC-SR04)



The HC-SR04 is a sensor used to measure the distance to an obstacle, based on the propagation time of an ultrasonic signal (sound waves with a frequency above 20 kHz, inaudible to humans).

How it works

The sensor has two main pins: Trig (trigger) and Echo (reception). The board sends a short pulse on the Trig, the sensor emits an ultrasonic pulse, and this is reflected from the obstacle and returns to the sensor. The Echo pin remains in the HIGH state exactly for the duration of the round trip of the signal. From this time the speed of sound (~343 m/s) the distance is calculated.

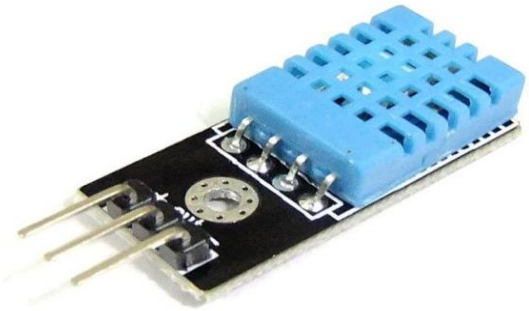
```
long-lasting;
float distance;

digitalWrite(trigPin, LOW);
delayMicroseconds(2);
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
```

```
digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);
distance = duration * 0.034 / 2; cm
```

3. Temperature and humidity sensor (DHT11)



The DHT11 measures the temperature and relative humidity of the air simultaneously. It is frequently used in simple weather stations, environmental monitoring systems or projects with alert when a temperature threshold is exceeded.

How it works

The sensor has a thermistor (for temperature) and a capacitive humidity sensor inside. The data is transmitted on a single digital wire, through its own protocol, in the form of 40-bit packets. Because of this special protocol, the reading is usually done with the help of a dedicated library (e.g. DHT.h).

```
#include <DHT.h>
DHT dht(2, DHT11); pin 2, type DHT11

void setup() { dht.begin(); }

void loop() {
  float temp = dht.readTemperature();
  wet float = dht.readHumidity();
  Serial.print(temp); Serial.print(" C, ");
  Serial.print(wet); Serial.println(" %");
  delay(2000);
}
```

4. Servo motor



The servo motor is a motor capable of positioning itself at a precise angle (usually between 0° and 180°), unlike a regular DC motor that only rotates continuously. It is used for steering mechanisms, robotic arms, radar-type systems (rotation of an ultrasonic sensor), etc.

How it works

Inside it has a small DC motor, a set of reduction gears and a potentiometer that indicates the current position of the spindle, used in an internal control loop. The desired position is transmitted through a PWM (Pulse Width Modulation) signal: the width of the pulse (usually between 1 and 2 milliseconds, repeated every 20 ms) determines the angle at which the spindle is positioned.

```
#include <Servo.h>
myServo Servo;

void setup() {
  myServo.attach(9); PWM pin
}

void loop() {
  myServo.write(90); position at 90 degrees
  delay(1000);
  myServo.write(0);
  delay(1000);
}
```

5. Stepper motor (stepper motor)



The stepper motor is a special type of motor that, unlike the DC motor, rotates in small and equal steps (e.g. 5.625° per step on the 28BYJ-48 model). This allows the spindle to be positioned with high precision, without the need for a feedback sensor, and is used in 3D printers, scanners, CNC systems or focusing mechanisms.

How it works

Inside, the motor has several coils (windings) arranged around a rotor with permanent magnets. By powering the coils in a certain sequence, the magnetic field gradually shifts, and the rotor "follows" this field step by step. Since the Arduino cannot directly supply the necessary current to the coils, a driver board with the ULN2003 circuit (an array of Darlington transistors) is used, which amplifies the control signals from the board and powers the four coils of the motor in the correct sequence.

```
#include <Stepper.h>
#define PASI_PE_ROTATIE 2048
Stepper motor(PASI_PE_ROTATIE, 8, 10, 9, 11);

void setup() {
  motor.setSpeed(10); revolutions per minute
}

void loop() {
  motor.step(PASI_PE_ROTATIE); a full rotation
  delay(1000);
}
```

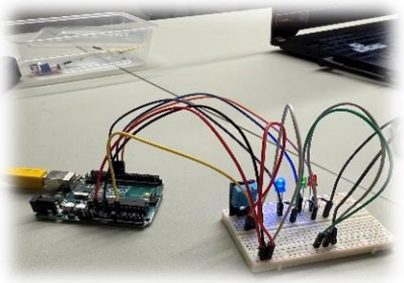
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Robotics – the technology that builds the future

Spătaru Iulia-Alexandra
Participant of the project "Start in Robotics with Erasmus+"
Coordinating teacher: Melinte Elena-Carmen

In recent years, technology has evolved at a very rapid pace, and robotics has become one of the fields with an important role in this development. When we hear the word "robotics", we usually think of robots that move or execute different commands. In reality, robotics is much more complex and involves the combination of several fields, such as computer science, mathematics, electronics, mechanics and engineering. Its goal is to create systems capable of performing certain activities automatically or with as little human intervention as possible.



From the perspective of a student in the Mathematics-Computer Science profile, I think that robotics is a very interesting field because it combines the theoretical part that we learn at school with practical applications. Computer science has an essential role, because through programming we can transmit to a robotic system the instructions necessary to work. At the same time, mathematics is used for calculations related to position, distance, speed, angles and movement. Thus, the notions we learn in class can be applied in concrete situations. A robotic system is generally made up of several components that must collaborate. Sensors allow it to receive information from the environment, motors give it the opportunity to move or perform certain movements, and the program determines how it should react. For example, a sensor can detect the approach of an object, and depending on the information received, the program can transmit the command to the engine to change direction. In this way, robotics transforms the information and commands written in a program into real actions.

Another field that is increasingly related to robotics is artificial intelligence. This allows the development of systems capable of analyzing information, recognizing certain objects or situations, and making decisions based on the data received. By combining

robotics with artificial intelligence, systems can become increasingly autonomous and perform complex tasks.

The applications of robotics are very numerous. In industry, robots are used to assemble products, transport certain materials, or perform repetitive and dangerous activities. In medicine, robotic technology can help carry out precise procedures. In agriculture, automated systems can monitor crops and help carry out certain activities. Robotics is even used in space exploration, where robots can collect information from places that humans cannot easily reach.

I believe that robotics is also important in education because it helps students learn in a practical way. When we build and program a project, it is not enough to know the theory. We need to test, observe what is not working and find solutions. This process develops logical thinking, creativity, patience and the ability to solve problems.



I had the opportunity to discover this field more closely during an Erasmus+ project carried out in Paphos, Cyprus. During the project, I worked with Arduino components and made different automated projects. I used sensors and motors, and through programming I established how they should work together. For me, this experience was very interesting because I was able to see in practice how the information in a program can control physical components.

One of the most interesting aspects was the fact that the projects did not always work from the first time. We had to test the code, identify errors and modify certain instructions until the result was what we wanted. Thus, we understood that programming and robotics require a lot of experimentation and perseverance. At the same time, teamwork was very important, as each member could contribute different ideas and solutions.

The experience in Paphos gave me a more practical perspective on computer science and made me better understand the connection between what we learn at school

and the technologies we encounter in real life. If before I saw programming mainly as an activity carried out on a computer, through this project I was able to observe that a program can control objects and produce concrete effects in the physical world.

However, the development of robotics also brings certain challenges. Automation can cause some repetitive tasks to be performed by machines, which can change certain jobs. At the same time, new fields and professions are emerging, and people need to adapt and acquire new skills. From my point of view, robotics should not only be seen as a threat, but also as an opportunity to make certain activities faster, safer and more efficient.



In the future, it is very possible that robotics will become even more present in our lives. Robotic systems will be able to be used in more and more fields, and the development of artificial intelligence will allow them to perform increasingly complex tasks. For my generation, this represents an opportunity to discover new fields and use the knowledge of mathematics and computer science to create innovative solutions.

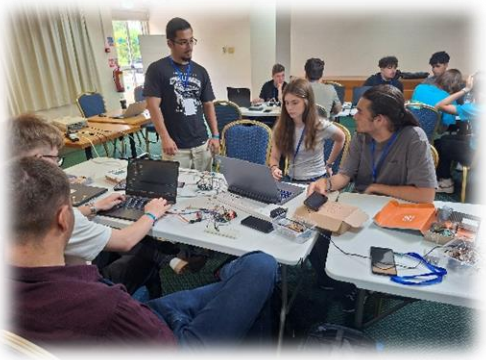
In conclusion, robotics is much more than building robots. It is a complex field, where mathematics, computer science, electronics and engineering come together to turn ideas into functional systems. My experience in the Erasmus+ project in Paphos has shown me how interesting it can be to move from theory to practice and see the result of your own programs. I believe that robotics is a field of the future, and for me it is a very good example of how the passion for computer science can be transformed into concrete and creative projects.

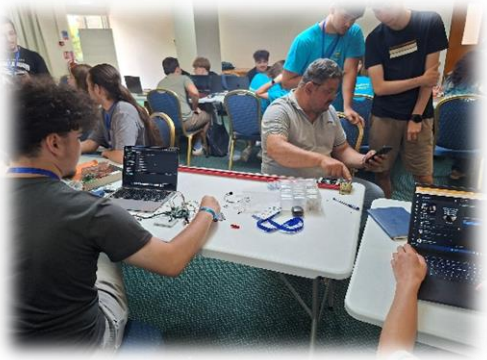
INTERNSHIP ACTIVITIES

The students participating in the mobility in Cyprus carried out internship activities at the companies: **Lazarou CTC** (E10156628) and **SSM Global Training Services LTD** (E10093988).

For the students in the tenth grade, the learning outcomes of the mobility aimed at acquiring fundamental knowledge about the evolution and industrial relevance of robotics, the application of basic concepts in programming (C++, Arduino systems) and electronics, as well as the programming and implementation of microcontroller-based systems in collaborative work environments. Also, the internship focused on the design, integration and optimization of systems with Arduino through the use of sensors and performers, everything being complemented by the development of transversal, linguistic, social and intercultural skills necessary for integration into the labor market.

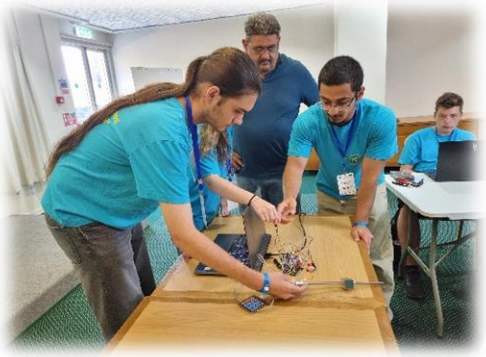
For the students in the eleventh grade, the training program aimed to gain an in-depth understanding of the field of robotics and microelectronics, the application of advanced programming notions in C++ and electronic schematics, along with real-time system programming and the construction of automated structures. A special emphasis was placed on the design and optimization of Arduino-based systems - additionally including the understanding and use of parallel algorithms for the execution of tasks - as well as on the strengthening of transversal skills, team spirit, critical thinking and adaptability in a European professional context.

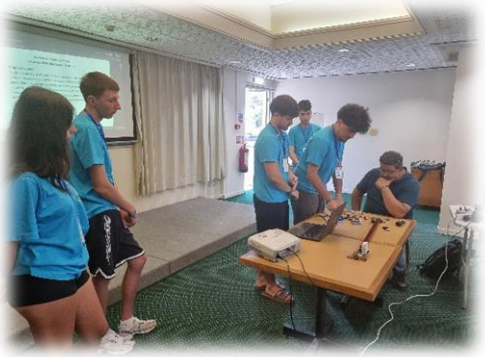




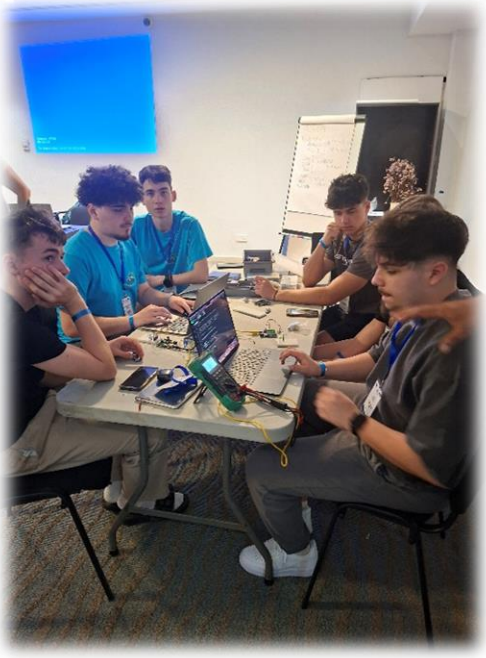


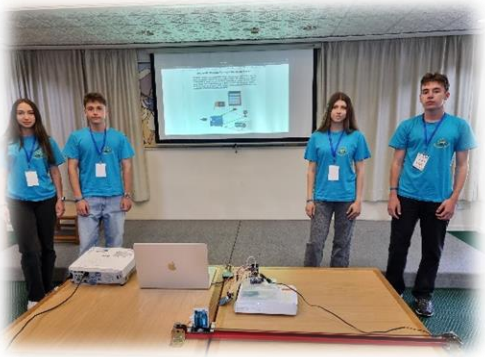






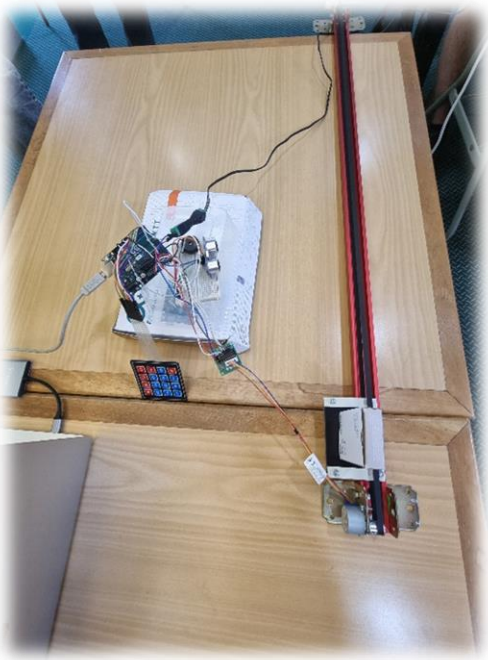


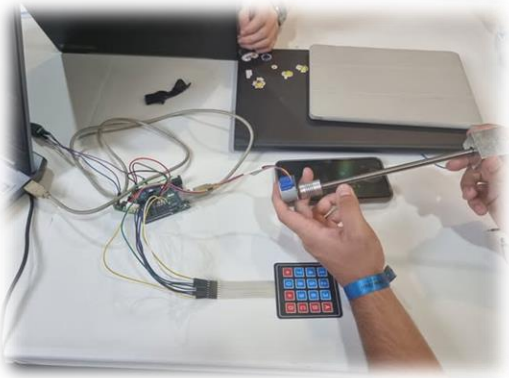


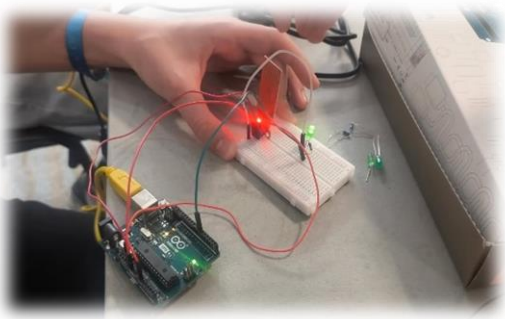










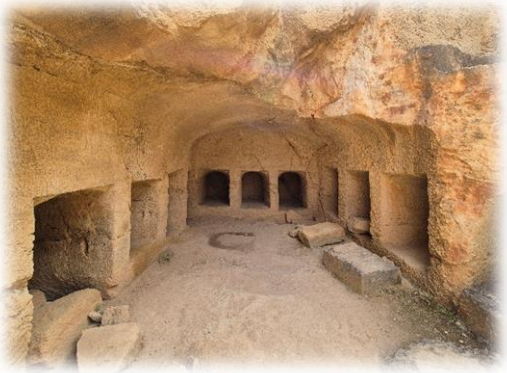


CULTURAL ACTIVITIES

Tombs of the Kings - Paphos





Paphos Archaeological Site

















Excursion Limasol and Nicosia











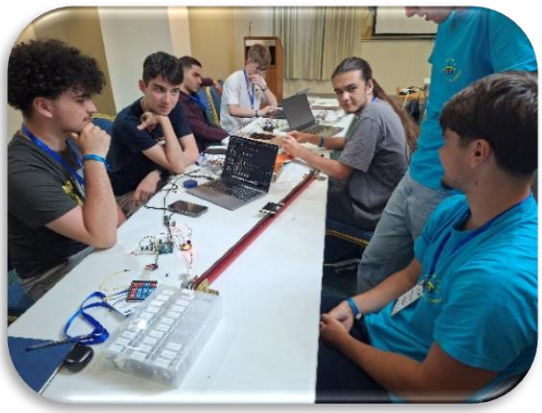




TESTIMONIALS



Denis BRÂNZA – Grade XI-a B



My participation in the Erasmus+ mobility was a very valuable experience, through which I learned new things and developed both personally and professionally. I chose to participate because I wanted to discover an international environment and improve my practical skills in the field of robotics and programming with Arduino.

The topic was well related to my current studies, as it gave me the opportunity to apply in practice notions I learned at school. During the internship, I worked with sensors, LEDs, motors and various electronic components, and my responsibilities included making circuits, testing the code and collaborating on the final project. Thus, I acquired new knowledge and developed my patience, attention and team spirit.

The experience working with the mentor was very good, as he explained clearly to us and helped us every time we encountered difficulties. Also, the collaboration with colleagues was pleasant and useful, because we supported each other and worked effectively together.



This mobility helped me become more confident, more responsible and more open to new experiences. The most beautiful memory for me was the completion of our project and the trips to the beautiful places in Cyprus, such as the Blue Lagoon and Coral Bay.

Theodor-Ștefan DRAGOMIR – 10th grade B



I chose to participate in this internship because I wanted to see what robotics and automation look like beyond theory, in a real, international setting. The theme of the project was very well related to what we study in high school in the technical field, giving me the practical context I needed to really understand the notions in the classroom.

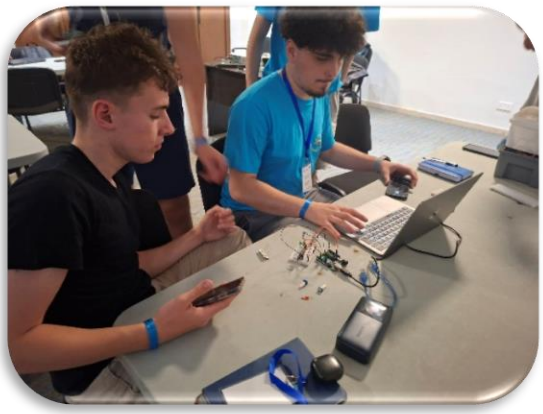
During the two weeks, we worked with Arduino boards, ultrasonic, infrared and touch sensors, DC motors and steppers, ending up building a fully functional conveyor belt as a team. We learned to connect circuits, write and debug code, but also to think systematically when something went wrong the first time. Team responsibilities were naturally divided, and the collaboration worked precisely because everyone contributed something. The satisfaction from the final presentation, when our entire system ran flawlessly in front of the committee, without any errors, was hard to match.

Our mentor, Mr. Lazarou, knew how to create an environment where mistakes were part of the process. He did not give us the solutions directly, but guided us to find them ourselves, which made each success truly ours. The working atmosphere was relaxed, but serious when needed.

On a personal and professional level, this experience helped me understand that technology is not intimidating if you approach it step by step. I gained confidence in my ability to work with hardware and software, but also communication skills and adaptation in a new environment. I return home with a different mentality, with lifelong friends and with gratitude to our mentor and to the teachers who made sure everything went perfectly.

If you are a student and you are thinking of applying for an Erasmus+ internship, do it! You will learn more than you expect, both in the classroom and outside it!

Cristian-Andrei Gondoș – 10th grade B



I chose to participate in this Erasmus+ internship because I wanted to do more practice, beyond the theory at school, and see what it's like to work in another country. The theme of the project, robotics and Arduino circuits, fit very well with my studies and helped me understand much better how the technology we use every day works.

During the two weeks, I worked in teams, documented different sensors and built circuits. I learned to use new components, such as the multimeter, potentiometer, numeric keypads, OLED displays and different types of motors (stepper and servo). I also learned how to find and fix errors in the code when the circuits were not working the first time.

Our mentor explained everything to us step by step and showed us many practical electronics tricks. Working with colleagues was super ok; we helped each other with code and connections, which brought us quite close. This experience helped me become more independent and more confident in what I can do on the technical side.

My message to other students: Apply without hesitation! It's the perfect opportunity to learn new and practical things, travel and have fun with your classmates.

Victor IACOB – eleventh grade

My participation in the "Start in Robotics with Erasmus+" project that took place in Paphos, Cyprus helped me to improve both my technical, linguistic and communication and teamwork skills. Probably, without this project, I would not have had the necessary knowledge to work with Arduino.



Ever since the project was launched, I really wanted to participate as it was a topic of interest for me, which led me to work harder and push hard to be able to participate in the mobility in Cyprus, which came true.

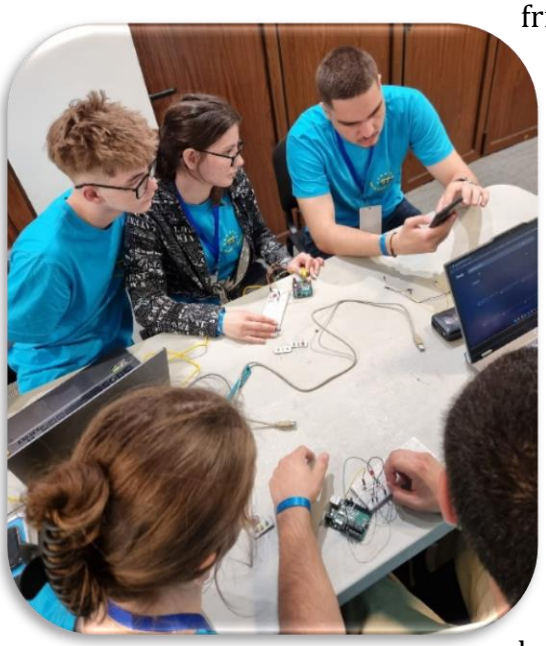
This participation in the project was a unique experience that combined both professional and cultural development. I also really liked the topic addressed, namely Arduino, learning many useful things from the mentor of the lessons. I liked the most the activities to present the projects we succeeded, being a good time to learn from each other. I can say that my team and I managed to carry out some really interesting projects that present applications in everyday life, even if sometimes we stayed up late in the evening to get the final product.

This experience was unique! It helped me improve my knowledge and realize that in life nothing can be achieved without a little sacrifice and a little work done. I would also like to thank the teachers who coordinated the project for being understanding with us and trying to make sure that everything was fine in the end, but also the mentor of the robotics lessons for managing to make us stay with something from this whole project.

Maria LEUȘTEAN – eleventh grade

Participating in the Erasmus project in Cyprus, specifically in Paphos, was a very beautiful and interesting experience, which helped me both in my personal and professional development. I chose to participate in this mobility because I wanted to work with modern technologies, learn new things about robotics and Arduino board programming and experience an international learning environment.

From the first day, we met beautiful people, with whom we immediately became friends. They helped us whenever we needed and we managed to understand each other throughout the mobility. In addition to the practice activities, we made friends, shared experiences, saw many beautiful places and discovered cultural differences and similarities together, which made this experience even more valuable.



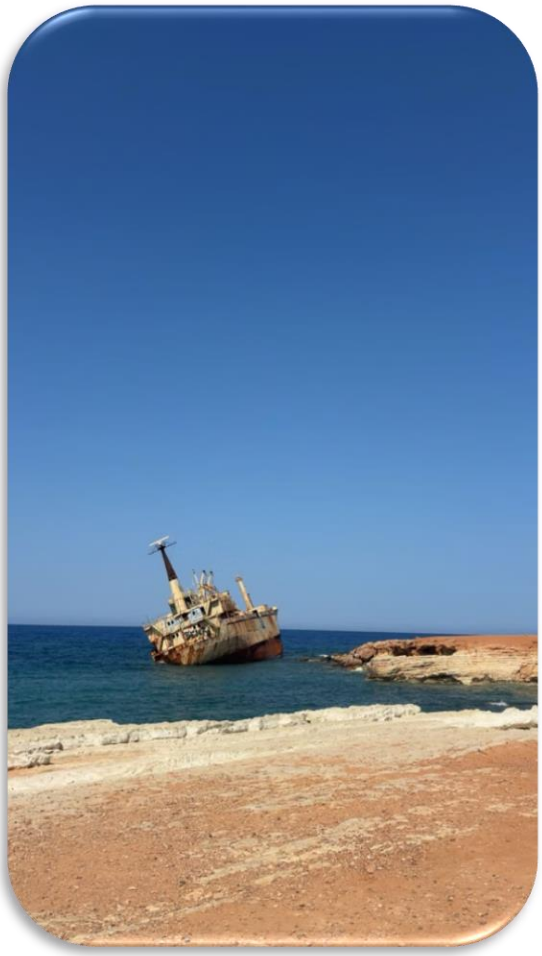
The topic of the internship fit very well with my field of study. The activities carried out helped me to better understand how automated systems work and how electronic components can be used to create functional solutions in real life.

During the internship I worked on several projects based on Arduino and ultrasonic sensors. One of the most interesting projects was the creation of an automatic traffic barrier, a project designed by me and my friends. The system detected the approach of a car with the help of the ultrasonic sensor, and when a predetermined distance was reached, the barrier was automatically raised to allow vehicle access.

The experience of working with the mentor was very pleasant. He gave us constant support, clear explanations and encouraged us to find our own solutions to the challenges we encountered. I particularly appreciated his patience and willingness to help us

whenever we needed it. I also formed a friendship with him and he helped me in choosing the field for college.

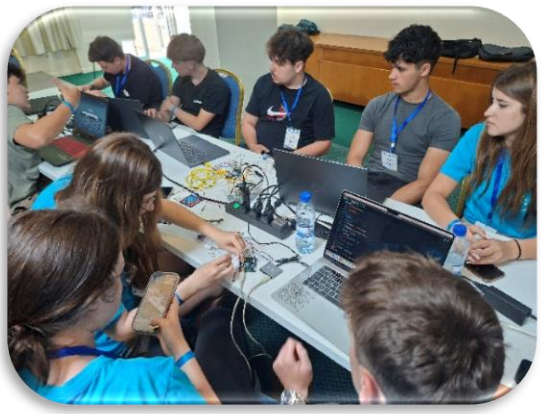
The collaboration with colleagues was excellent. We worked together on projects, shared ideas and learned from each other. The working atmosphere was open and friendly, even though we were tired and it was late.



For students who are thinking of applying for an Erasmus internship, I highly recommend this experience. You will have the opportunity to learn new things, develop your professional skills, meet people from different cultures and gain experiences that will be useful both in your career and in your personal life.

Through this opportunity I discovered new things about myself, but also about my friends, with whom I bonded even closer. I learned to be more patient and attentive to others, to help everyone and to manage on my own in some moments.

David Luca – eleventh grade B



The theme of the internship fit very well with my current studies, as I am passionate about technology and the IT field. During the activities I learned to work with Arduino boards, sensors, motors, OLED and matrix displays, numerical keypads and different mechanical systems used in robotics. I discovered new concepts such as parallel algorithms, component calibration, error diagnosis and integration of several components in a single functional project.

My main responsibilities were documenting the electronic components, making the connections, programming the Arduino boards and participating in the development of team projects. Together with my colleagues I built a prototype fan designed to look like a small air conditioner, a project that I presented in front of the tutors at the end of the mobility.

The experience working with the mentors was very good. They explained the notions to us in a clear way and encouraged us to find solutions to the problems we encountered on our own. Also, collaborating with colleagues was one of the most enjoyable parts of the project. We worked together, helped each other and learned to communicate more effectively as a team.

This experience helped me develop both professionally and personally. I improved my technical knowledge, became more independent, more responsible and more confident in my own abilities. I also developed my English communication skills and the ability to work in an international environment.

Erasmus mobility was a great opportunity to learn new things, meet different people and cultures, and create memories that will stay forever.

Iris-Elena LUPU – 10th grade

My participation in the Erasmus+ project in Cyprus was an extremely valuable experience, which helped me to develop both personally and professionally.

The theme of the project, focused on robotics and Arduino, is closely related to the IT and programming field I am studying, giving me the opportunity to apply the theoretical notions in practical activities. During the mobility, I learned the basics of programming in the Arduino IDE, the use of sensors, the connection of electronic components and the realization of functional projects such as traffic lights, sensor systems or conveyor belts.

I acquired new skills such as logical thinking, problem-solving, attention to detail and effective team collaboration. I also learned to better organize my work and find quick solutions when projects didn't work from the start.

The experience working with the mentor was very good, as he clearly explained each notion and gave us constant support. The atmosphere was open and friendly, which helped me learn without fear of making mistakes. Also, the collaboration with those around me was very pleasant, based on communication, mutual help and involvement.

This experience helped me become more confident, more responsible and more open to international teamwork. The most beautiful memory remains the final project – conveyor belt with ultrasonic sensor and buzzer – and its presentation, but also the trips to places like Blue Lagoon or Coral Bay.



My message to students who are thinking of applying for an Erasmus project is not to hesitate. It is a unique experience, which combines learning with the discovery of a new culture and which can change your perspective on education and personal development.

Ștefan LUPU – 10th grade B



As part of the Erasmus mobility in Cyprus, I had the opportunity to participate in an internship in the field of robotics and Arduino circuit programming. I chose to participate in this project because I am passionate about technology and wanted to develop my practical knowledge in a field that is related to my current studies in the mathematics-computer science profile.

During the two weeks, I worked in teams on several Arduino projects, using components such as ultrasonic sensors, potentiometers, motors and keypads. My main responsibilities were assembling the circuits, programming them and testing their operation. As a result of the activities carried out, I acquired new technical skills, learned to use electronic components more efficiently and improved my ability to work in a team.

The experience working with our mentor, Mr. Lazaros Lazarou, was a very pleasant and useful one. He explained the concepts to us in a clear way and encouraged us to find solutions to the problems we encountered on our own. Also, the collaboration with colleagues was excellent, and the teamwork helped us to communicate better and support each other.

In addition to our professional activities, we had the opportunity to discover the culture and history of Cyprus through numerous visits and excursions. We visited impressive places such as the Tombs of the Kings, the archaeological site of Paphos, Aphrodite's Stone, Limassol, Nicosia and the Blue Lagoon. These experiences made mobility much more interesting and helped us get to know this country better.

This Erasmus experience has helped me to develop both professionally and personally. I have become more independent, more confident in my own abilities and more open to working with new people.

Ștefan MANEA-IVAN – 10th grade B



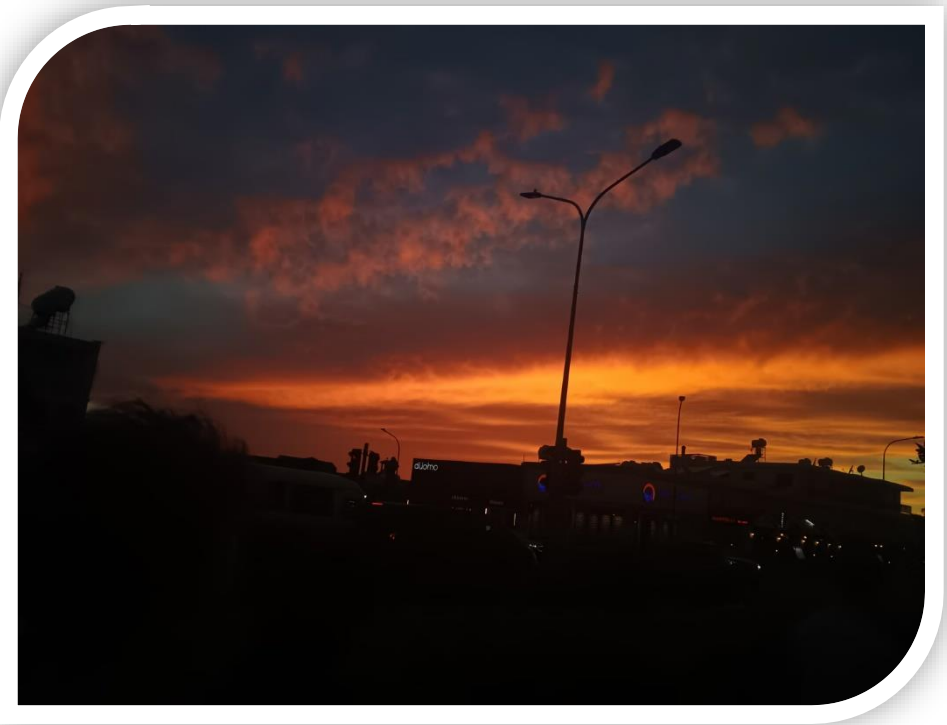
For me, this Erasmus+ experience was one of the most important achievements so far. Since the beginning of high school I wanted to participate in such a project, and when the opportunity arose, I gave everything to be selected. The admission tests were an excellent challenge through which I learned how to design a CV, a file and how to hold an interview. That is why I recommend anyone to at least try. Just the simple fact that you prepare and try to get here develops you enormously as a person. The greatest pride is the very courage to take the first step, because it is much better to try and maybe give up along the way, than not to try at all. But, at that time, I could not anticipate how deeply this mobility would really change me, once I got there.

From the first moment I stepped into Cyprus, I felt like I was entering another world. These two weeks transformed me as a person; I started to see life differently and enjoy every moment I lived, no matter how small it may seem. Being an introvert by nature, here I was able to open up, say exactly what I think and become aware of how many things I am capable of. Every morning at the hotel, every tourist attraction and every course contributed to my development. I met incredible people and rediscovered those I already knew, simply falling in love with this country. Going back there has now become one of my dreams.



On an educational level, this mobility revealed a new passion for me: robotics. I learned a ton of new things about Arduino, robotics in general, and how they can be used in everyday life, forming a set of skills that I want to

develop to the fullest. Mr. Lazaros was a great mentor. He explained everything to us clearly, trusted us, and even at the last minute, encouraged us to never give up. He quickly



became one of the people I respect enormously.

All these lessons were complemented by Memories that will remain forever in my soul: the nights when my colleagues woke me up and the mornings with impossible awakenings, the tens of thousands of steps I gathered daily exploring the cities, the ice cream bought by the kilo in the port and the endless tasting of Turkish. I will also not forget the hours spent working in the conference room, the beautiful sunsets, the adrenaline-filled adventures with the Jeeps and the boat, or the long discussions with the teachers, from which I always extracted something new.

Looking back, I can say without any exaggeration that this experience gave me the motivation to do much more even after it ended. The project in Cyprus brought out a new version of myself, a much better one.

Teodora-Elena MĂZĂREANU – XI-th grade

Participating in the international mobility within the START IT project, through the Erasmus+ program, was an important pillar in my personal and professional development. This experience strengthened my communication skills and adaptability in diverse groups, while also providing me with valuable knowledge in the field of IT and robotics, which I will certainly capitalize on in my future career.

This experience was something special for me. The two weeks in Cyprus passed like the wind, during which I learned about Arduino, broadening my horizons in this field. The 60 hours of practical training carried out within LSSM Global Training Services LTD (E10093988) represented an excellent opportunity, with a major impact on my development, both professionally and personally. Our mentor wanted to introduce us to this language in small steps, so that we later became experts. Little by little, I began to develop a real passion for programming, and this mobility gave me the certainty that I wanted a career in this field. Every day I was eager to learn and find solutions to the problems encountered in the development of our ideas, while building our circuit. We faced various difficulties during the projects, but together with my team, we managed to overcome them all.



In addition to classes, I had the opportunity to learn about the history of several cities, such as Paphos, where I visited the Archaeological Site, the Tombs of the Kings, the Waterfall of Adonis and the Rock of Aphrodite. I also had trips to the capital, Nicosia, but also to Limassol – places that, although they are in the same country, are completely different. Each one told a unique story, and I was eager to know their secrets. The trips were the perfect opportunity to discover the riches and traditions of this country. I believe that interacting with a different culture stimulates critical thinking and provides

a broader perspective on the world, while helping to consolidate a solid set of personal values.

At the same time, I can say with an open heart that friendships have been formed in Cyprus that will remain forever. During this time we have been able to really get to know each other, we have exchanged opinions and we have reached the point where we can consider ourselves a family. This mobility has given me the opportunity to meet some special people, whom I am proud to have in my life.



The Erasmus+ experience was a complete journey for me, with challenges and successes, which taught me what adaptability means and made me appreciate the comfort of home from a different perspective. In addition, I changed my vision of the IT field, which I now perceive as extremely dynamic and full of professional opportunities. I will always keep a beautiful memory of the colleagues and friends I met, the valuable lessons I learned and the moments of joy lived together.

Ana-Maria Năstăsoiu – 10th grade

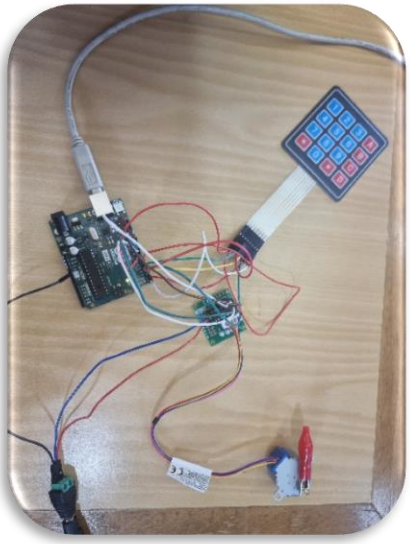


Participating in the Erasmus+ START IT mobility has changed my perspective a lot and, I think, even the way I behave.

From the beginning of the mobility I was afraid of how it would be. I was very anxious and expected to miss home in the first days.

The experience was totally the opposite. It was the most beautiful experience I have had so far. In the 2 weeks in the practice hours where we collaborate with teammates as I did not expect, the activities we had as a group, everything made me grateful for the opportunity I had to participate.

From my point of view, participating in the Erasmus+ internship is an experience that anyone who has the opportunity to live, should do.



Luca-Mihai NISTOR – eleventh grade B

The deep desire to go beyond the boundaries of a predictable existence and to strive for complex knowledge was the primordial impulse that guided me towards this Erasmus+ mobility in Cyprus. In a space where ancient vestiges converge with innovation, the central theme of the internship harmoniously united the technical rigor of robotics with the philosophical exploration of human consciousness, providing a dimension deeply applied to my current studies and demonstrating how the exact structures of science can coexist with existential interrogations about the dynamics of the self. The journey through this academic path was decisively marked by the presence of a mentor with an encyclopedic vision and a consummate professionalism, under whose guidance the proactive and inspirational dialogue constantly encouraged us to look beyond the surface of algorithms to discover the innovative essence of technology.



In this stimulating setting, my main responsibility was to manage and implement a highly complex technical project focused on engineering and robotics, where, together with my teammates, I experienced first-hand the rigors of laboratory work, from assembling fine mechanisms to calibrating alloy motors and synchronizing drive belts. This close collaboration has developed essential crisis-solving skills, critical thinking, and remarkable resilience in the face of sketches initially considered unachievable, demonstrating that real progress is often born from collective efforts prolonged late into the night and turning technical obstacles into human bridges.



Beyond the hours dedicated to technology, Cyprus revealed itself as a fascinating multicultural mosaic and an inexhaustible source of inspiration, where the exploration of the Mediterranean coasts under the caress of a timeless breeze and the immersion in the local legends dedicated to Aphrodite and Adonis offered the perfect poetic counterweight to the rigor of scientific analysis. The greatest challenge, but also the most beautiful achievement of this mobility, was to detach myself from the monotony and limitations of the provincial environment of origin, giving me the necessary clarity to understand that personal evolution implies a permanent self-analysis and a tireless desire to surpass oneself. Looking back on this transformative experience, I urge future students not to hesitate to step beyond the comfort zone of the familiar, to refuse to limit themselves and to seek those international contexts that force them to ask questions, because an Erasmus+ internship is not just a simple stage in the CV, but a rare opportunity to polish their conscience and crystallize their own potential to become.

Andrei PASCU – eleventh grade

The project "Start in Robotics with Erasmus+" was one of the most beautiful experiences I have had so far. Although the field of robotics did not particularly appeal to me at first, I chose to participate in this internship because I wanted to get out of my comfort zone and try something new.



Being the first time I traveled by plane, I was also nervous about flying, but everything went smoothly and I arrived safely at the place where I was going to spend two weeks: Paphos, Cyprus.

However, this Erasmus+ project cannot be considered a holiday. During this internship, we attended robotics courses, where we learned the structure of an Arduino board, we used a multitude of sensors, such as distance, light, sound, vibration sensors, and we used motors. Our mentor presented these notions to us in detail and helped us deepen them. He assigned us projects, which we had to create and present the next day. It was not a very different teaching style from what we already knew, but English had to be known very well in order to be able to actively participate in the course.

Beyond technical learning, the project promoted the importance of communication and relationships between colleagues. We spent a lot of time together, created unforgettable memories and strengthened our friendships, which were already quite close. I believe that teamwork and time spent in the group made the experience much more pleasant and memorable.

Professionally, I believe that this internship has developed my skills in robotics and opened up new perspectives for my future career. Although I wanted to become a programmer, I also started to consider a career as a robotics engineer. On a personal level, I believe that this project developed my language skills and helped me become a more

communicative and open person. I also had the opportunity to discover new traditions and customs, which enriched my intercultural knowledge.

Personally, I don't think I have just one beautiful memory from this project. I tried to take advantage of every opportunity and I think that each day gave me more beautiful memories than the previous one. However, if I had to choose a favorite moment, I would opt for the boat trip and the Jeep ride, because they were experiences full of adrenaline and enthusiasm.



For me, the Erasmus+ project was an unforgettable one and I recommend it to any student, regardless of their hobbies. This experience was one of the most valuable stages in my educational and professional journey. I am grateful for the opportunities I have had and I want to capitalize on the knowledge and skills I have acquired in the future.

Ionuț Pîrjol – 10th grade



My participation in this Erasmus+ international mobility helped me a lot in developing my practical, technical and personal skills. I chose to participate in this internship because I wanted to learn new things about the field of robotics and to gain practical experience in the use of Arduino boards and electronic components. The topic connected very well with my current studies and helped me to better understand notions that I also studied at school.

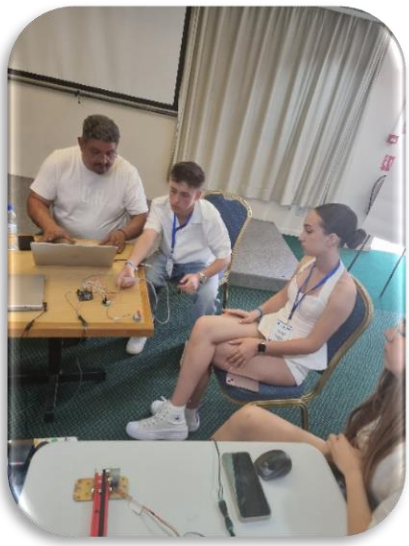
During the internship in the city of Paphos, my main responsibilities were realizing and testing projects based on Arduino, working with sensors and electronic components, but also working in a team to solve various practical tasks. As a result of this experience, I gained new knowledge about programming, electronics and robotics and developed my logical thinking and the ability to find quick solutions to the problems encountered.

The experience working with our robotics mentor, Mr. Lazarou, was a very pleasant and interactive one. He patiently explained each activity to us and helped us whenever we needed it. In addition to the technical knowledge, we also had the opportunity to learn a few words in Greek, which made the experience even more interesting and closer to the local culture.

Working with my colleagues helped me to better understand the importance of collaboration and communication in a team. We also had the opportunity to interact with a group of students from Ireland who are in another Erasmus+ project, an experience that gave us the opportunity to socialize and meet new people from another culture.

This experience helped me a lot both professionally and personally. I developed my confidence in my own abilities, team spirit and the ability to adapt in a new environment.

The daily schedule and practical activities better prepared me for a possible future job and made me understand how important discipline and organization are.



The most beautiful memory from this mobility was carrying out practical projects together with the team and the fact that I had the opportunity to discover a new country, new people and a different culture. The pleasant atmosphere and the experiences lived in Cyprus will remain for me some of the most beautiful memories.

For students or pupils who are thinking of applying for an Erasmus+ internship, I highly recommend this experience. It is a unique opportunity to learn new things, meet people from other countries, develop your professional and personal skills and go home with unforgettable memories and experiences.

Aris SĂLBATECU – eleventh grade



This internship was directly connected with my studies as a student in math-info, because the C++ language, the programming language we use in computer science, was used. During the mobility, I acquired skills to use the Arduino platform, I understood how circuits work and how to write code to control the hardware components related to the board.

The experience of working with the mentor was very pleasant. He explained to us what we had to do, but more importantly how we did it. He offered us help every time something didn't work out for us. The collaboration with colleagues was also positive, we managed to organize ourselves efficiently, dividing responsibilities between us, and when someone had a problem, we helped each other.

On a personal level, this mobility helped me develop much better teamwork and communication skills. On a professional level, I learned how to make the transition from theoretical programming to applying it in reality, starting to understand how code interacts with the physical part.



The most beautiful challenge was the final project. We had to modify the initial code quite a bit to find the method by which we could stop an engine at the exact moment of pressing a button. When we tested the project and all our components worked correctly, it was a great pleasure.

My message to those who are thinking of applying is simple: don't be afraid! It is a particularly beautiful experience, from which you will learn a lot of useful things, and it is well worth every moment.

Iulia-Alexandra SPATARU – 10th grade B



Participating in the Erasmus+ mobility in Cyprus was a great experience for me, full of discoveries and opportunities for development. The two weeks spent in this country gave me the chance to get to know a different culture, meet new people and create memories that will always remain special to me. In addition, I had the opportunity to develop my professional skills and broaden my horizons through educational activities and practical experiences.

One of the main components of this program was the intensive Arduino course, where I had the opportunity to discover and apply essential concepts in the field of automation and programming of electronic systems. During the activities, I carried out various automated projects using Arduino boards, electronic circuits and a variety of components such as sensors, LEDs, motors and displays. I learned to design and connect circuits, to write and test codes for device control and to develop functional solutions for different practical applications. The teachers gave us permanent guidance and encouraged us to experiment, collaborate and find creative solutions to the challenges encountered. This experience developed my logical thinking, technical skills and ability to work in a team, motivating me to delve into the field of electronics and automation.

In addition to my professional training, I had the opportunity to discover many spectacular places in Cyprus. I visited the city of Paphos, where I admired the combination of history and modernity and learned more about the cultural heritage of the region. Also, the organized trips took us to Limassol, a lively and elegant city known for its vibrant atmosphere and seaside promenade. Another special moment was the visit to Nicosia, the capital of Cyprus, where I was able to observe the contrast between the modern part of the city and the areas of historical value. The walk through the city center gave me an interesting perspective on Cypriot culture and history.

The experiences in the middle of nature were equally impressive. We admired the famous Aphrodite Stone, one of the most famous symbols of the island, a place full of legend and natural beauty. We also visited Coral Bay, where the clear water and spectacular landscape created a perfect setting for relaxation. Sea Caves and Blue Lagoon impressed me with their natural formations and the incredible color of the water. An unforgettable experience was the trip to Adonis' Waterfall, where I had the opportunity to swim in a spectacular natural setting and enjoy the beauty of the place.

In addition to all these activities, the time spent in Cyprus gave me the chance to make new friends and spend time with colleagues in a different environment than at home. I learned to be more open to new people, cultures and experiences and to appreciate the diversity that surrounds us.



In conclusion, this Erasmus+ mobility was one of the most valuable experiences of my life. The knowledge gained in the field of Arduino and automation, the extraordinary places I visited and the people I met contributed to my personal and professional development. I am grateful for this opportunity and I am convinced that the experiences I have had in Cyprus will inspire me and help me in the future.

Teofil PURICE – XI-th grade B



Participating in the Erasmus+ internship in Paphos, Cyprus, was much more than just an academic course for me; it was a transformational experience that perfectly combined technical challenges with cultural discovery and forging lasting friendships.

During the two intense weeks, the robotics laboratories became a space for experimentation and innovation. Under the careful guidance of local tutors, we went from theoretical concepts about the evolution of robotics and microelectronics, to complex practical applications with **Arduino Uno** boards. We learned to program in C/C++, control the execution time, connect ultrasonic sensors, potentiometers or numerical keypads and manage PWM signals. One of the most challenging and rewarding moments was working on the team project: a conveyor belt driven by DC and stepper motors, integrated with a keypad for control of the controls. Seeing how the lines of code written by us come to life and set electronic components in motion was a clear confirmation of our practical progress.



In addition to the professional benefits and obtaining the certificates that recognize our skills, the mobility had an extraordinary cultural and personal dimension. We had the chance to explore places full of history and natural beauty: from the impressive ruins of the *Tombs of the Kings* and the ancient mosaics in the port of Paphos, to the visit to the capital Nicosia, the

spectacular landscapes of the Rock of Aphrodite, the unreal blue water of *the Blue Lagoon* or the Coral Bay beach.

Moments of relaxation – evenings spent on the pontoon, beach volleyball at sunset, jeep trips to Adonis' Waterfall or pool games with colleagues – welded the team together and helped us develop our communication skills, team spirit and adaptability.

Completing the internship and receiving the diplomas brought with them both pride and nostalgia. The project **"Start in Robotics with Erasmus+"** has shown me that transnational practical education opens up new horizons, giving us confidence in our own strengths and really preparing us for the jobs of the future."



Daniel STOIAN – eleventh grade

Participating in this Erasmus+ project was one of the best choices I have made so far. This experience gave me the opportunity to gain new knowledge, such as programming and building an Arduino-based project, but also developing teamwork skills.

The mobility gave me the chance to realize that my interests are directed towards the IT field. This would not have been possible without our mentor, who answered any questions and explained extremely clearly each topic discussed in the courses, it being obvious that he is really passionate about what he does. He is a very patient man, who helped us understand both the logic of programming in Arduino and the physical construction of a robot.

In addition to the professional component, I had the opportunity to visit extraordinary places, which I also liked very much. The Tombs of the Kings, the Rock of Aphrodite, the Waterfall of Adonis, the city of Limassol and the Old Town of Paphos are just some of the destinations visited that amazed me with their beauty.



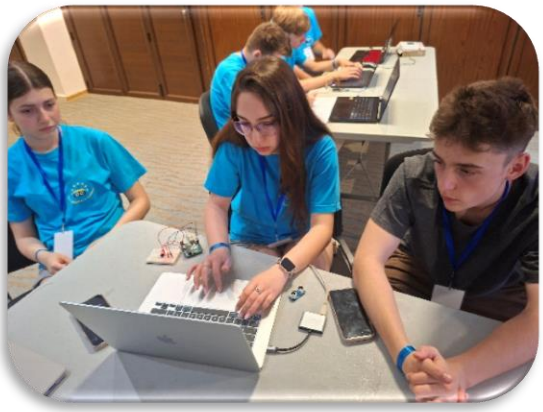
Also, the local gastronomy was an extremely pleasant surprise; I loved their traditional dishes, especially the Souvlaki, which was delicious. It was a great opportunity to discover a new culinary culture.

This Erasmus+ project has helped me discover what I really like professionally and I highly recommend any student to try such an experience.

Sara TURTURICĂ – 10th grade

Participating in the Erasmus+ mobility in Paphos, Cyprus, was one of the most beautiful experiences I have had so far. I chose to participate because I wanted to learn new things in the field of robotics and to see how I can apply the notions studied at school in practice. During the internship I worked with the Arduino platform and different electronic components, such as sensors, motors and keypads, carrying out practical projects that helped me better understand how automated systems work.

An important role in this experience was played by our tutor, who was very patient and attentive with each participant. I liked the fact that the explanations were clear and that I could ask for help whenever I needed it. Also, collaborating with colleagues made the activities even more interesting, as we worked together on projects, supported each other and learned to find solutions as a team.



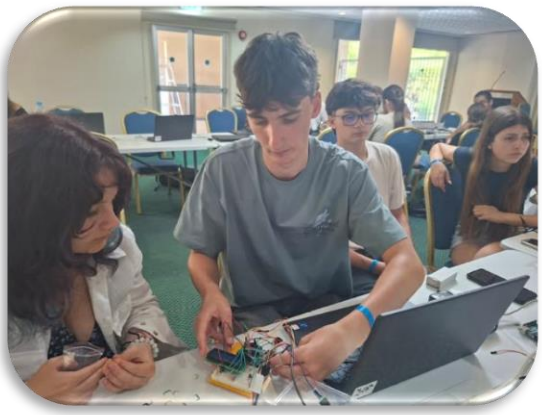
In addition to the educational part, the mobility gave me the opportunity to discover spectacular places in Cyprus, such as Blue Lagoon, Limassol, Nicosia, Tombs of the Kings and Petra tou Romiou. One of my favorite memories remains the time spent with colleagues on the beach, admiring the sunsets, playing volleyball or simply enjoying the atmosphere of the place. These moments made the experience even more special and brought us very close.

This mobility has helped me become more confident, more independent and more open to new experiences. I have acquired useful practical knowledge, but also memories that I will keep for a long time. For any student thinking of participating in an Erasmus+ project, I recommend taking advantage of this opportunity, as it is an experience from which you have a lot to learn, both professionally and personally.

Paul-Bogdan UNGUREANU - 10th grade A

I wanted to get out of my academic comfort zone and experience practical engineering in an international and multicultural environment.

The internship was a perfect fit for my field of study, focusing on Arduino programming, circuit design, and assembly. My main tasks included configuring sensors, soldering components, testing circuits, and debugging hardware. I gained solid practical skills in prototyping and significantly improved my ability to solve technical problems.



The collaboration with my mentor was great; his expertise in electronics and patient guidance accelerated my learning process. Together with my colleagues we formed a great team, always sharing knowledge and brainstorming together to solve complex circuit-related challenges.

On a professional level, I gained valuable laboratory experience; on a personal level, I became much more independent and adaptable. The most beautiful memory was exactly the moment when our first complex circuit worked perfectly, followed by a relaxation with the team on the beautiful beach in Cyprus.

An Erasmus+ internship takes you out of the theoretical framework of textbooks, reshapes your perspective and helps you develop enormously as a professional.

George-Gabriel VACARU – 10th grade B

My participation in the Erasmus+ project in Paphos, Cyprus, was one of the most beautiful and valuable experiences I have had so far. The two weeks I spent there were full of special moments, new knowledge and memories that I will keep forever. This project gave me the chance to learn in a different way, to discover a new culture and to meet extraordinary people.



During the mobility we participated in Arduino courses. At first we made simple circuits, then we worked with sensors and motors, developing more and more complex projects. The courses were very interactive and well organized, which helped us to easily understand the notions presented. Whenever we encountered difficulties in making circuits or writing code, Mr. Lazaros helped us with patience and clear explanations, making sure that each of us understood and could continue the activity.

Outside of class hours, I had the opportunity to discover many of the beauties of Cyprus. I visited the cities of Limassol and Nicosia, admired the spectacular landscapes of Coral Bay and the Blue Lagoon and explored the Port of Paphos. I also had the opportunity to visit the Archaeological Site, the Tombs of the Kings and the Old Town of the city, places that impressed me with their history and beauty. Each trip was a new experience and an opportunity to better understand the culture and traditions of this special island.

The accommodation was excellent and contributed a lot to the positive experience we had. The hotel staff was very kind and friendly. We got along very well with both the waiters, with whom we even took photos, and with the reception staff and the ladies who were in charge of cleaning. The food was very good and diverse, having the opportunity to choose from a wide variety of dishes, depending on my preferences. The rooms were clean, comfortable and well maintained, and the beds were very comfortable.

One of the most important aspects of this mobility was the opportunity to meet new people and make friends. I spent a lot of time with my colleagues in the group, but I also had the chance to meet people from other participating groups. A pleasant coincidence was the fact that, at the same time, another group from Romania was also there. I managed to create beautiful connections, share experiences and meet people I hope to see again in the future.

In conclusion, participating in this Erasmus+ project was a great experience, which helped me to develop my technical knowledge in the field of Arduino, to discover new places and to meet special people. I returned home with many beautiful memories, valuable experiences and friendships that I will keep for a long time. I really felt that this adventure ended the moment when, at the last course, Mr. Lazaros said for the last time "Bravo Guys!". It was then that I realized how quickly the two weeks passed and how much I was going to miss this wonderful experience.

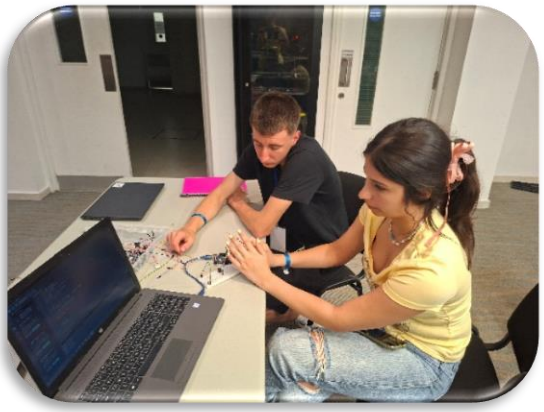


Veronica VELEZ – XI-th grade B

Participating in the Erasmus+ mobility programme in Paphos, Cyprus, was an incredibly valuable experience that went far beyond classical classroom learning. I joined this two-week programme out of a desire to gain practical skills, get out of my comfort zone and experience a new culture.

Our mentor made the academic part of the journey engaging and easy to follow. Throughout the mobility, we worked on various hands-on engineering projects that involved sensors, motors, and programming. The technical highlight was working with my colleagues to build and program a conveyor belt system, which we presented on our last day. Working as a team to solve hardware and code challenges taught us a lot about teamwork and problem-solving.

Beyond the courses, exploring Cyprus made this trip truly memorable. We discovered the deep history of the island by visiting the port of Paphos, the castle, the Roman mosaics, and the ancient Tombs of the Kings. On weekends, we traveled through Limassol to the capital Nicosia. We also went on a jeep and boat trip to see the Sea Caves, the Blue Lagoon, and the Adonis Waterfall.



This experience was a huge step forward for me. Professionally, I gained real confidence in applying technical concepts in practical projects. On a personal level, I returned home with better communication skills, great friendships and memories for a lifetime.

David-Eusebiu Vîlcu – 11th grade B

Participating in the Erasmus+ mobility in Paphos, Cyprus, was an intense and profound experience, which went far beyond the framework of simple courses. I chose this two-week internship out of the desire to go beyond classroom theory and face real technical challenges, in a completely new environment. The theme of the internship connected directly with my studies, giving me increased clarity on how electronics and programming come together in industrial applications.



During the mobility, I had the responsibility of designing and configuring complex circuits based on Arduino. I worked in detail with sensors, servo motors and stepper motors, elements that require maximum precision in calibration and code writing. The culmination of this practice was the realization of the final project: an automated conveyor belt system driven by motors and controlled by keypad. Our mentor played an essential role in this process, as he guided us with great patience, creating a space where mistakes were seen as learning opportunities, not failures. At the same time, the close collaboration with my colleagues welded us together as a team and demonstrated how we can solve logic problems and connections through direct communication.

Beyond the robotics laboratory, the cultural dynamics in Cyprus perfectly complemented this evolution. Daily walks and trips to big cities such as Limassol and Nicosia, or visiting incredible landmarks such as the Blue Lagoon, Adonis' Waterfall, the archaeological site and the Tombs of the Kings, considerably broadened my cultural horizon.

This experience was a huge leap for me. Professionally, I acquired a practical and solid vision of automation, and on a personal level, I tested my independence, visibly improved my fluency in English and learned to adapt quickly in foreign environments.



Vlad-Andrei VRÂNCEANU – 10th grade

Participating in the Erasmus+ internship in Cyprus was one of the best decisions I made during college. I chose this project because I wanted to combine the development of technical skills with an authentic international experience, and the theme – "Arduino and mobile robotics" – fit perfectly with my specialization in engineering/electronics/automation.



During the two weeks, I participated daily in practical Arduino courses, where I worked with sensors, electric motors, keypads, LCDs and completed a complex mobility project (a mobile tape controlled by motor and keypad). I acquired valuable practical skills: Arduino programming, hardware integration, teamwork on real projects and troubleshooting technical solutions.

The experience with the mentors was excellent – they were patient, well prepared and always available to guide us. Equally valuable was the collaboration with colleagues: we formed a united team, helped each other with projects and created beautiful memories together both in the laboratory and outside it.

On a personal level, this mobility helped me become more independent, adaptable and confident in my abilities. Professionally, I gained confidence in practical skills and an international perspective on teamwork.

The most beautiful memory remains the day when we presented the final project and received the diplomas, followed by the celebration on the beach. But just as special were the trips to the Tombs of the Kings, Aphrodite's Stone, Blue Lagoon, Adonis Baths or the karaoke and bingo evenings.

Message for future students: If you are thinking of applying for an Erasmus mobility, do it without hesitation! You will learn, grow, meet wonderful people and create memories of a lifetime. The experience is worth every effort!

