

**BLENDED INTENSIVE PROGRAMME
ERASMUS+ PROGRAMME**

**CALL FOR ERASMUS+ OUTGOING SHORT STUDENT MOBILITIES
BLENDED INTENSIVE PROGRAMME
RobotCam Project
academic year 2025/26**

In the framework of the Erasmus+ Programme – KA131 Learning Mobility of Individuals, and on the basis of the results and the funds awarded under the project **Erasmus 2024-1-IT02-KA131-HED-000197602**, a call for **students' selection** is published to assign contributions to take part into the **BLENDED INTENSIVE PROGRAMME named RobotCam** hereafter referred to as “BIP”.

BIP ROBOCAM: Robot competition based on computer vision and AI

The aim is to develop a collaborative project to control simple robots equipped with a camera to make them able to play a simple version of soccer. Several engineering expertise are required to understand functionalities of the devices (e.g. PWM, SPI, object tracking, motor control, A/D Conversion, etc.) that have been already acquired during the bachelor courses, but also new computer vision and machine learning approaches will be studied autonomously. Programming skills and capabilities to interact with new hardware devices are required.

During the virtual phase, students will form interdisciplinary teams to integrate the new expertise required by the project and the teams will collaborate to identify navigation problems and most successful approaches to win the game. The virtual component will consist in courses on how to program in Python and use it with the various components of the robot (camera – for viewing the environment, gyroscopic sensor – for determining position, how the wheels turn for movement or changing direction, etc.).

By integrating virtual and in person learning, students will develop practical expertise in applying different strategies and exploiting knowledge from different fields to optimize navigation. Interdisciplinary groups will be promoted to favour the enrichment of personal knowledge.

1. ELIGIBILITY CRITERIA

Applicants must fulfil the following compulsory criteria:

- To be duly enrolled at the University of Pavia for the entire duration of the mobility;
- To possess a proficiency in English language of at least **B2 level** of CEFR (Common European Framework of Reference for Languages). Students will be required to communicate and discuss fluently in English, take part in group activities and in general to treat any topic with ease.
- Students should be strongly interested in interdisciplinary subjects including mechatronics, electronics, computer vision, software engineering.

2. DETAILS ABOUT THE MOBILITY

The BIP RoboCam will take place **onsite** at **University of Iasi**, Romania, from 1st to 5th June 2026 (both included) and **online** on 2nd March – 16th June 2026.

The course will be considered completed and funded only if the participants will attend the online part and of the 5 training days in presence.

University of Iasi will provide the students with a certificate of attendance including the total number of hours, the topics treated and the number of ECTS obtained (6).

3. MOBILITY GRANTS

3.1 The mobility grant includes:

- an **individual support** of 79,00€ per student for each day of mobility in presence aiming at covering accommodation and meals costs. 2 (two) days of travelling, immediately before and after the beginning and finishing date of the course can be added to the days of mobility in presence;
- a **travel support** as follows:

Kilometres	Green Travel *	Non-Green Travel
Between 10 and 99 KM	€56	€28
Between 100 and 499 KM	€285	€211
Between 500 and 1999 KM	€417	€309
Between 2000 and 2999 KM	€535	€395
Between 3000 and 3999 KM	€785	€580
Between 4000 and 7999 KM	€1188	€1188
8000 KM or more	€1735	€1735

*By green travel it is meant travel that uses low-emissions means of transport for the main part of the travel, such as bus, train, bike or car-pooling. Proof of green travel is mandatory (tickets, etc.)

The kilometres are calculated using the [Erasmus Distance Calculator](#).

3.2 The exact amount of the Erasmus Grant will be explained to the selected students in the Grant Agreements they will be required to sign.

3.3 Mobility grants will be paid by the University of Pavia as follows:

- The **individual support** will be paid **before the beginning of the mobility in presence**;
- The **travel support** will be paid **after the beginning of the mobility in presence**, provided that the participant has attended the Blended Intensive programme for its entire duration (**physical + virtual**) and s/he is able to provide travel documents (e.g. boarding passes) and the certificate of attendance.

The mobility grant is a fixed amount of money that cannot be incremented under any circumstances.

4.4 The University of Pavia will provide its outgoing students with insurance covering accidents, civil liability and other guarantees in accordance with its internal procedures.

4. ONLINE APPLICATION AND DEADLINE

The applicant is required to complete the online application form at the following link by the **21/02/2026** at 12:00 CET - noon.

[Application form](#)

Incomplete applications will not be taken into consideration

5. EVALUATION AND SELECTION

The selection will be made by a joint Committee established within the **Department of Electrical, Computer, Biomedical Engineering** headed by the Professor in charge of the Project for the University of Pavia (Prof. **Chiara Toffanin**).

The following criteria will be taken into consideration:

- Soundness and relevance of applicant's interest for the topics, as expressed in the motivation description;
- Relevance of applicant's educational records and expertise to the study program.

In case of equal evaluation between two candidates, the Evaluation Commission reserves the right to give priority to those applications which add to the diversity of the study programme in terms of gender balance, year of study, and variety of mobility experience.

The Committee reserves the right to check the validity of declarations and supporting documents. False statements may lead to exclusion from the selection process and the award of the scholarship.

Each applicant will be notified about selection results and the grant in due time, via the email address provided in the application.

Selected applicants must then officially accept the awarded grant by answering via email.

6. PERSONAL DATA TREATMENT

Personal data submitted by the applicants will be used solely for application and selection procedures and institutional aims, and will be treated in accordance with the European General Data Protection Regulation no. 2016/679 art. 13.

7. PERSON RESPONSIBLE FOR THE PROCEDURE AND INFORMATION



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Responsible for the administrative procedure, pursuant to Law 7 August 1990, n. 241 as amended by Law n. 15/2005 is Ms. Michela Cobelli, Head of the International Mobility Unit.

For further information please contact erasmusbip@unipv.it.

Pavia, data del protocollo

IL RETTORE
Alessandro Reali
(documento firmato digitalmente)