Monday
- Introduction
  - Introduction to drones
  - Introduction to the project
- Robotics and Aviation principles
- Welcome dinner

Tuesday
- Robotics and Aviation principles
- Crash course (Linux, Python, ROS)
- Workshop
  - Let your code take over

Wednesday
- Workshop
- Robotics & Drone Innovation
- Cultural activity

Thursday
- Workshop
- Integration Computer Vision
- Closing dinner

Friday
- Workshop
- Technical and Innovation Pitch

UNIVERSITY OF APPLIED SCIENCES AND ARTS

PXL

HOGESCHOOL PXL

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BusIT Week
19-24/03/2023

PXL UNIVERSITY OF APPLIED SCIENCES AND ARTS

PXL drones:
Lift your
programming skills
to a higher level

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Who are we?

PXL University of Applied Sciences and Arts is a young, dynamic and vibrant organisation; a centre of expertise for innovation, creativity and entrepreneurship. PXL offers professional bachelor programmes in Business, Education, Digital, Green & Tech, Healthcare, Media & Tourism, Music and Social Work, and bachelor and master programmes in Arts.

Where are we located?

PXL is located within walking distance of the commercial centre of Hasselt. The PXL-Digital department is situated on the Elfde Linie Campus.

How to reach us?

Hasselt is easy accessible by public transport. Buses drive you back and forth between the railway station of Hasselt and PXL.

If you arrive by air at Brussels Airport, take the direct train to Hasselt (train Blankenberge to Genk) at the train station in the airport building.

PXL UNIVERSITY OF APPLIED SCIENCES AND ARTS

Lift your programming skills to a higher level during our international ICT-week.

Learn how to use open-source software to control a drone and eventually you will let your code TAKE OFF.

Improve your relational and intercultural skills.

Have a great international experience in Hasselt.

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Description of the project

During the international week we will introduce you to the basics of drone/robot programming, using open-source software such as Linux, Python and the ROS framework. This will be supported by a short introduction to aviation physics and the general principles of quadcopters and robots.

After this introduction we will teach you how to control the drone using your own code.

Goal

The final goal is to have a drone flying autonomously over a set track, using all acquired programming skills. Your team will investigate innovative ways to use drones for all kind of purposes.

Accommodation for students

In Hostel H, the youth hostel of Hasselt, next to the train station.

Registration for students

The registration fee of 295 € includes 5 nights with breakfast (arrival on Sunday, departure on Friday), 5 lunches, 2 dinners and the social and cultural activities. You will be invoiced by your home institution.

If you want to participate, register through your international coordinator before 13 February 2023.

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