



**UVIC**

UNIVERSITAT DE VIC  
UNIVERSITAT CENTRAL  
DE CATALUNYA

**INTEGRATED PROJECT II**

Bachelor Degree in Mechatronics

# **FOLLOW-ME ROBOT**

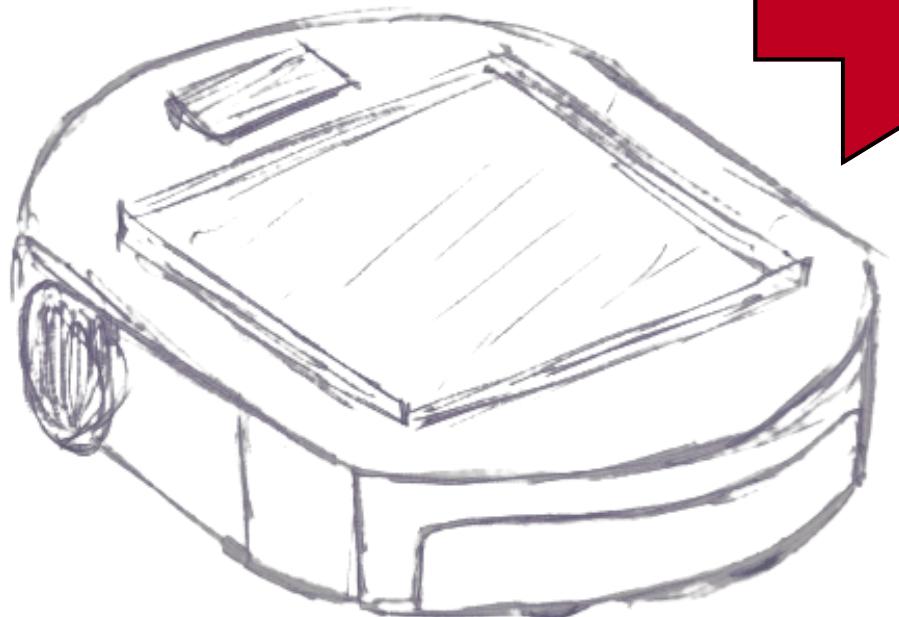
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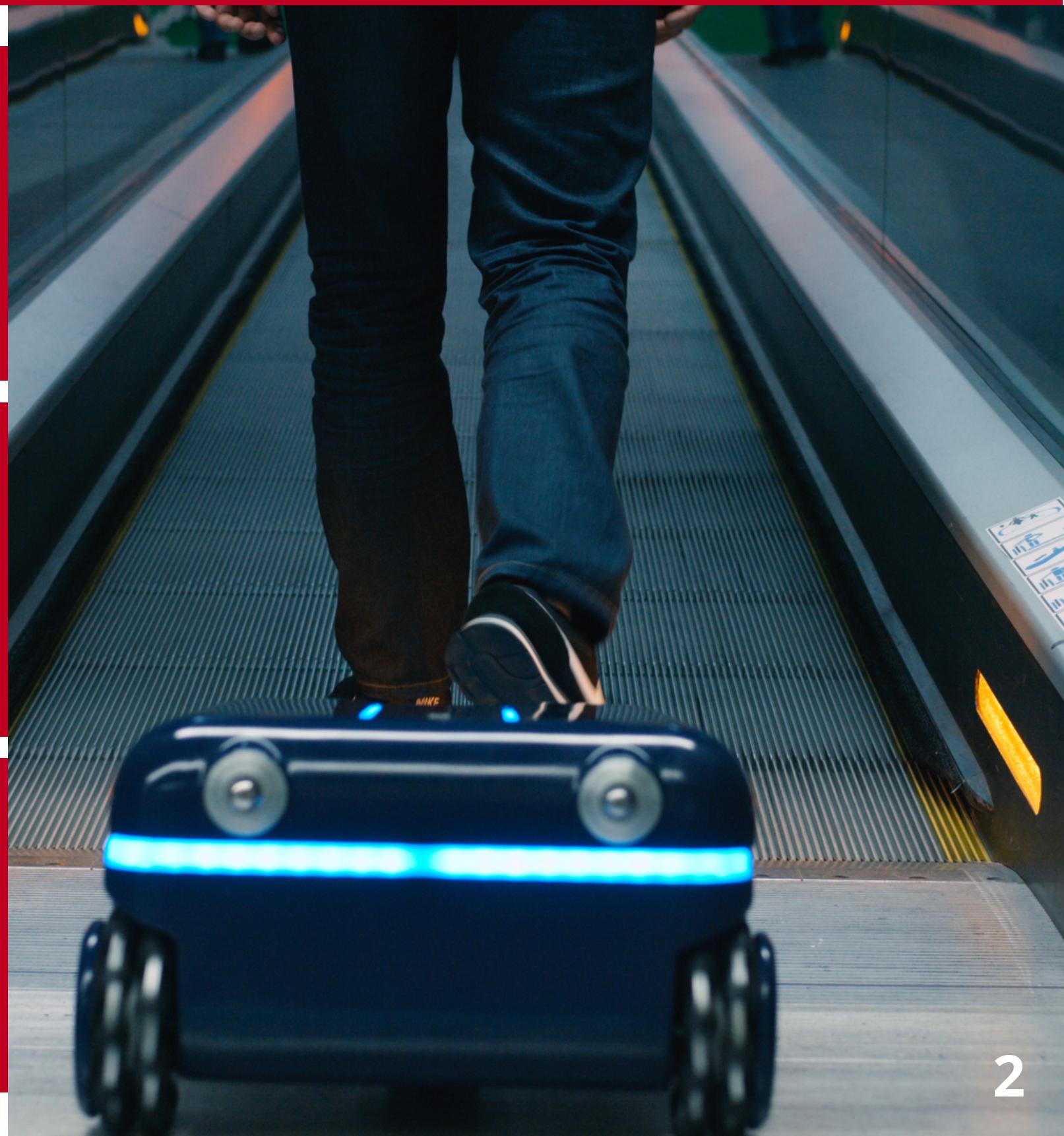
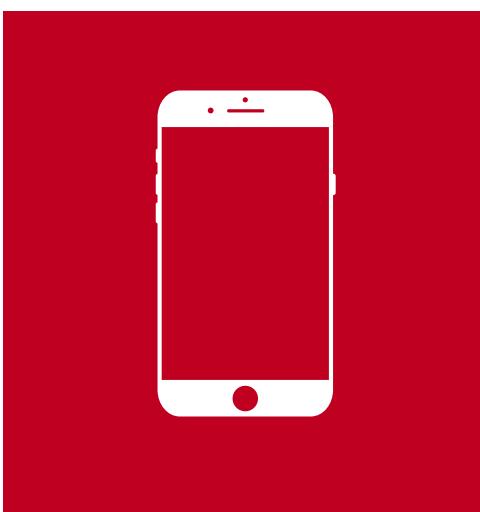
# PROJECT PROPOSAL

## Follow-me Robot

A robot that follows a person and carries boxes



First design



# PROJECT PROPOSAL

## OBJECTIVES

### Main Objective

1. Create a follow-me robot in order to increasing efficiency and productivity.

### Specific Objectives

1. Design and build a robot that can follow a person autonomously.
2. Integrate sensors to allow the robot to detect and follow a person.
3. Develop a control system to allow the robot to follow a person smoothly and smoothly.
4. Add additional functionality to the robot, such as the ability to carry objects.
5. Wireless robot using a battery.

# PROJECT PROPOSAL

## TEAM ORGANIZATION



JANA  
BOVER

Project  
Manager



ELOI  
GARCIA

Mechanical  
Leader



FERRAN  
HUÉSCAR

Electronic  
Leader



JORDI  
ROVIRA

Software  
Leader

# PROJECT PROPOSAL

# MANAGEMENT PLANNING

# Gantt Chart

# PROJECT PROPOSAL

## WEBSITE DRAFT

- Introduction ( overview of the project )
- Research and design
- Suplies
- Ensambling
- Programing
- Testing
- Result
- Conclusions

# PROJECT PROPOSAL

## REFERENCES

### GPS Robot

<https://www.instructables.com/How-to-Build-a-GPS-Guided-Robot/>

<https://geekyengineers.com/gps-guided-robot/>

### Follow-me system

<https://www.instructables.com/Follow-Me-Robot-Using-Arduino-Based-Embedded-Platf/>

<https://www.pocketmagic.net/make-the-robot-follow-you/>



