What it is?

A **technical competition for students** in the field of **autonomous driving**, on model cars at **1:10 scale**, mimicking **real-driving scenarios.**

What background do you need?

The more **expertise in the team**, the better. Some of the covered topics in the project are Computer vision, Vehicle control, Hardware design, Software design, Python coding, Parallel computing and many more!

What's there to gain?

- General overview in the field of autonomous driving
- Interaction with Bosch experts during the entire competition
- Attractive prizes
- Internship opportunities

BOSCH | IEEE

present

Bosch Future Mobility Challenge

What needs to be developed?

The **minimal features** are the following:
- Lane keeping and intersection navigation.
- Recognition and reaction to road elements (e.g.: signs)
- Reacting to road participants (e.g.: cars and pedestrians)
- Geo-localization-based components (e.g.: dynamic driving)
- Other driving scenarios.

What's provided?

- Fully working model vehicle
- Firmware for car control and APIs for shared systems interaction
- Demo code for car control
- Dashboard for monitoring car states
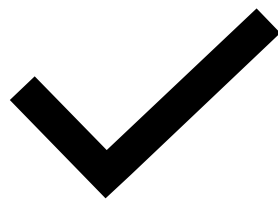- Plenty of documentation, guidelines and code example
- Bosch mentorship

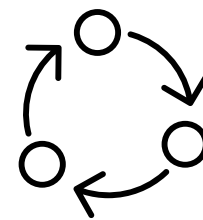## DO YOU WANT TO JOIN?
HERE ARE THE STEPS!
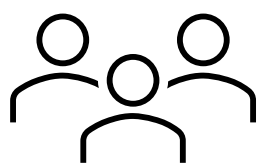
BUILD a team
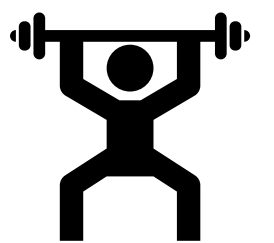3 to 5 members and a university mentor.

Did you get in?
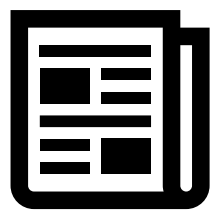Meet us for an interview and wait for the result!
1st-13th of November 2023

Develop your solution
Write your code, integrate it, test it, then start over!
15th of November 2022 → 14th of May 2024

Competition finals
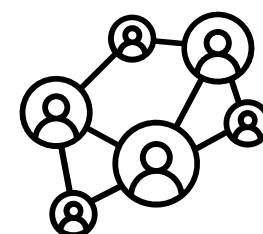Come to Cluj-Napoca, Romania and prove that your team is the best!
15th – 19th of May 2024

Register
Have the team-leader register the team on the competition website
1st – 31st of October 2023

Let's get started!
Get your car and participate at the kick-off!
15th of November 2023

Qualify for the event
Stand out and qualify for the finals!
10th of March 2024

More details on
www.boschfuturemobility.com