**PATHFINDERS**

**Project Objectives**

1. Teach basic robotics and programming concepts through building a line follower robot.
2. Foster teamwork and collaboration.
3. Introduce GitHub for version control and collaborative coding.
4. Develop presentation and reporting skills.

**Technical skills**

* Git: <https://learngitbranching.js.org/>
* C: <https://www.w3schools.com/c/>
* Sensors and Actuators
* Finite State Machines, Control
* Soldering
* Electronics

**Soft Skills**

* Brainstorming
* Teamwork
* Planning
* Time management
* Presentation and communication
* Self assessment (challenges, lessons learned) -  daily

[TI-RSLK MAX Assembly Guide](https://www.youtube.com/watch?v=ArbcRff2V8I)

**Study Week Organization**

* **04\_InformationForParticipants**: Here you can find the specific Information Letters that were sent out to the participants. It contains important information for participants, and it is worth to read it quickly to be up to date.

**References**

* **TI ROBOT – Maze Edition:** [**https://www.ti.com/lit/ml/swrp242/swrp242.pdf**](https://www.ti.com/lit/ml/swrp242/swrp242.pdf)
* **Follow the Design Tutorial:** [**TI Robotics System Learning Kit Curriculum**](https://www.ti.com/video/series/ti-robotics-system-learning-kit-max-ti-rslk-max-curriculum-modules.html)
* **Learn about Running Code on LaunchPad:** [**Video Tutorial**](https://www.ti.com/video/6060408346001)