

FINAL PROJECT

Robot Autonomy – Telkom University



Your Tasks

1. Complete Webots Tutorials
2. Hacking Webots Projects
3. Make Technical Documentation

Webot Tutorials

Complete the Official Webots Tutorial: <https://cyberbotics.com/doc/guide/tutorials>

1. Your First Simulation in Webots
2. Modification of the Environment
3. Appearance
4. More About Controllers
5. Compound Solid and Physics Attributes
6. Wheels Robot
7. Your First PROTO
8. The Supervisor
9. Using ROS

What you have to do:

1. Dedicate **6-8 hours** of time
2. Follow the tutorial
3. Check in your projects in your Git folder
4. Submit your “Tutorial Folder” to this

Submission Form

<https://docs.google.com/spreadsheets/d/1sb2jA8VBtsxieTvNF1-Bh99RYz8zMXxqJgMkE0repKM/edit?usp=sharing>

Hacking Webots Projects

Select **ONLY 1 Project To Do:**

- **Project #1:** [Deepboots](#)
- **Project #2:** [Robot Positioning Estimation Using ML Techniques](#)
- **Project #3:** [Micromouse Competition](#)
- **Project #4:** [Memristor Eurobot Platform](#)

What you have to do:

1. Dedicate **18-24 hours** of time in 3 days
2. Select Your Project
3. Install and Follow the Tutorial
4. Make Technical Documentation and Submit Your Project Files (Codes and PDF Tutorial) to Your Git

Submission Form

<https://docs.google.com/spreadsheets/d/1sb2jA8VBtsxieTvNF1-Bh99RYz8zMXxqJgMkEOrepKM/edit?usp=sharing>

Score of Final Project

- **A:** Completed Webots Tutorial and 1 Hacking Project
- **B:** Completed 1 Hacking Project Only
- **C:** Completed Webots Tutorial Only
- **D:** Nothing Found in Your Git
- **E:** Do Nothing at All

— Have Fun!

- More Struggle Your Are, More Your Learn
- If You Want to Have Internship / Job, Email me at: risman.adnan@kalbecorp.com