

**Department of Engineering Cybernetics,   
Automation Technology Programme**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Course: TELE3001 Bachelor Thesis** | | | | | | **Date:** 28.01.2019 |
| **Project:** Instrumentation of bipedal robotprototype | | | | | | |
| **Activity:** System Identification | | | | | | **Activity nr:11** |
| **Starting date:** 23.04.2019 | | | **End date:** 23.05.2019 | | | |
| **Dependency:** Complete instrumentation of the robot | **Past Activities:** | | IMU Calculation  Microcontroller | | | |
| **Following**  **Activities:** | |  | | | |
| **Goal:** Obtain a complete mathematical model of the prototype robot | | | | | | |
| **Description:** Find the masses of the different parts of the robot and their associated center of mass. Find any other physical properties that may be o finterest. | | | | | | |
| **Total Workload:** 300 hours | | | **Work distribution:**  Kristoffer  Jakob  Henrik  Jonas  Endre | 60 hours  60 hours  60 hours  60 hours  60 hours | | |
| **Expenses:** | | | | | | |
| **Resources:** | | | | | | |
| **Hazards:**  Motor torque, Voltage | | | | | | |
| **Project supervisor:**  Torleif Anstensrud  **Project team members:**  Jakob Karlsen  Jonas Hjulstad  Endre T.Ellingsen  Henrik Baldishol  Kristoffer Nordvik | | **Mail:**  [torleif.anstensrud@ntnu.no](mailto:torleif.anstensrud@ntnu.no)  [jakob-karlsen@outlook.com](mailto:jakob-karlsen@outlook.com)  [jonasbhjulstad@gmail.com](mailto:jonasbhjulstad@gmail.com)  [endre.t.e@hotmail.com](mailto:endre.t.e@hotmail.com)  [henrik.baldishol@gmail.com](mailto:henrik.baldishol@gmail.com)  [kristono@stud.ntnu.no](mailto:kristono@stud.ntnu.no) | | | **Tlf:**  95808760  46676230  40523352  46672181  95300104  99117516 | |