# Check if DC Motors of Ball Thrower Can Work as Expected

# Summary

## Location & Date

Ground LAB C Block – 5/12/2022 19:00

## Description & Aim

Check if all ordered dc motors are working properly in desired limits.

## Participants

Kubilay Kaya

Çagrı Arı

# Preconditions & Environment Requirements

* DC Supply
* Multimeter

# Scenario

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Data** | **Expected Result** | **Actual Result** |
| Connect DC Motor Directly to the Supply | - | - | - |
| Connect multimeter to the terminal of DC Motor | - | - | - |
| Power On DC Supply | - | DC Supply is now opened | - |
| Set voltage of DC Supply | 1V | * Multimeter should show 1V * DC Motor should not be started |  |
| Set voltage of DC Supply | 2V | * Multimeter should show 1V * DC Motor should start with low speed |  |
| Set voltage of DC Supply | 4V | * Multimeter should show 4V * DC Motor should acceerate |  |
| Set voltage of DC Supply | 9V | * Multimeter should show 9V * Temperature of DC motor should be in proper limit after 2 minutes of working time * DC motor should be at top speed |  |