

# Medical Instrumentation (1)

## Task 01

### ECG Data Acquisition and Heart Rate

(10th of October, 2024)

**Statement:** You are required to acquire ECG data using an ECG sensor or by simulating the ECG circuit, calculate the heart rate, determine if the rhythm is regular or irregular, explain the reasoning behind the rhythm analysis, and calculate the error. The ECG signal should be drawn and analyzed.

**Deadline:** Thursday, 17th of October, 2024

**Policy:** Group Task (4 or 5 members)

**Submission:** In Class Submission

#### Evaluation Criteria:

Item	Grade
Full functionality	50%
Full calculation steps	20%
Questions	20%
Attendance	10%