

Assignment 3

- Validate the beat detector from assignment 2 on the “Wrist PPG During Exercise” database
 - Try and fix errors from previous submission (if any)
 - Choose an appropriate validation strategy (if you have not optimized the algorithm based on the data, you can consider it as an independent validation set)
 - Choose appropriate metrics for validating the beat detection and the inter-beat interval durations
 - Resubmit Matlab code for the algorithm with fixed errors and the Matlab code to perform your validation via Moodle (10 points)
 - Summarize your algorithm and the validation results in a report and discuss your findings (15 points)
 - Prepare a presentation for the final exam (15 points)

Next week (Nov 16)

- 4 units of group-wise discussions: 16:10 – 19:25
- Discuss intermediate results and any questions you might have
- 6 timeslots with 30 minutes for each group
 - 16:10 – 16:40
 - 16:40 – 17:10
 - 17:10 – 17:40
 - 17:55 – 18:25
 - 18:25 – 18:55
 - 18:55 – 19:25 (overlap for group A, H)

In two weeks (Nov 23)

Final exam (16:10 – 18:35):

- Submit written report upfront via Moodle
- Present your results from the exercise
 - State individual contributions
 - Present method and results
 - Discussion / interpretation of results
 - Conclusion / future work
- Total duration of 2h 25min
 - 15 minutes for the presentation (we will time it!)
 - 5-10 minutes for questions