ELEN30013 Workshop 7 Group Presentation Rubric (live)

- This presentation score is 15 % of total ESI assessment.
- Everyone needs a web camera and working microphone. All team members should participate in the presentation.
- Duration: 15 minutes
- Upload presentation slides (and code) before the workshop
- Presentation will be recorded.
- You will be presenting to everyone in the same workshop.
- The order is randomly set with Matlab before the workshop.
- Demonstrator’s assessment score (90 %), Peer assessment completion of LMS quiz (10 %)

Section					Mark (%)
Presentation skill	**Inadequate (1/5)** read script, hard to understand, << 15 min, only a portion of group members participated in presentation	**Good (4/5)** partially read the script, Issues with presentation speed or flow, Managed the presentation time to +/- 1 minutes.		**Excellent (5/5)** Professional, well organized, clear delivery, clear narrative. Finished in time. (15 min)	**Total 5 points**
Presentation PPT slides quality	**Inadequate (1/5)** Almost unreadable, lacking formal structure	**Moderate (3/5)** Some slides are not well structured, some text is not readable, missed majority references	**Good (4/5)** A pleasure to read, minor mistakes on text/ organization/reference	**Excellent (5/5)** Professional, well visualized, proper referencing if applicable	**Total 5 points**
Technical explanation of : • System diagram • High level explanation • Matlab code • Arduino code	**Inadequate (1/20)** No system diagram and no explanation of the system level design.	**Moderate (6/20)** No system diagram and can only explain part of the system level design.	**Good (16/20)** Can explain most part of the system level design with a system diagram. / Can fully understand and explain the system level design without a system diagram.	**Excellent (20/20)** Fully explanation of the system with system diagram.	**Total 20 points**
Technical explanation of servo: 1. How the hardware works in terms of the signal timing 2. Calibration graph 3. Calibration process explanation	**Inadequate (1/10)** Presentation skipped all three parts	**Moderate (6/10)** One of the three parts is partially or totally missing. Multiple parts need more explanation.	**Good (8/10)** Need improvement with one part that can be explained better.	**Excellent (10/10)** Professional; signal timing is well explained; calibration graph is shown and well visualized, calibration process is explained well	**Total 10 points**
Technical explanation of range finder: 1. How the hardware works in terms of the signal timing	**Inadequate (1/10)** Presentation skipped all three parts	**Moderate (6/10)** One of the three parts is partially or totally missing. Multiple parts need more explanation.	**Good (8/10)** Need improvement with one part that can be explained better.	**Excellent (10/10)** Professional explanations on how the hardware works in terms of signal timing; calibration graph is shown	**Total 10 points**

2. Calibration graph 3. Calibration process explanation				and well visualized; calibration process is explained well	
2D map of object plot using Matlab graph generated ahead of the presentation	**Inadequate (1/10)** 2D plot is missing	**Moderate (6/10)** image plotting is poor; fonts are hard to read; missing units	**Good (8/10)** Some fonts are not readable; Image resolutions is low; one or two axis title is missing	**Excellent (10/10)** 2D map is created by Matlab. Readable axes and labels; proper title and legends.	**Total 10 points**
2D map of object plot demonstration live during the presentation (~30 seconds)	**Inadequate (1/10)** Live demonstration is missing, underprepared for the demonstration, some error happened so the plot was not generated at all.	**Moderate (6/10)** Can generate a plot through serial port, but the plotting is poor. /Can serial print correct value but without generating a 2D plot.	**Good (8/10)** Can draw a 2D plot by MATLAB, but with some incorrect axis or legend (for example: time is not accurate)	**Excellent (10/10)** Can do live demonstration of the 2D map in real-time by MATLAB with correct axis, title, and legends.	**Total 10 points**
Future improvement case explanation	**Inadequate (1/10)** Not covered or very poorly covered	**Moderate (4/10)** Covered but poorly explained	**Good (8/10)** Presented well but minor issues	**Excellent (10/10)** Well thought out and compelling justification	**Total 10 points**
Implemented improvement	**Inadequate (1/10)** Not implemented or extremely trivial	**Moderate (4/10)** Simple feature added (E.g. Basic Filtering)	**Good (8/10)** Moderate feature added (E.g. Serial control)	**Excellent (10/10)** Impressive feature (E.g. User interface control)	**Total 10 points**
Technical data, numeric summary of results: - Accuracy - Precision - Speed - Repeatability	**Inadequate (1/10)** Not covered or very poorly covered	**Moderate (4/10)** Covered but parts missing or poorly formatted	**Good (8/10)** Covered well with room for improvement	**Excellent (10/10)** Formatted to a professional standard, easy to understand while covering all data	**Total 10 points**