

Quest Rubric No: 3		3	
Objective criteria (0/1, 1=met)	Rating	Max	Comments
Measures acceleration, temperature	1	1	Displaying roll and pitch
Displays real-time data (temperature, vibration) at remote client via portal using separate IP network.	1	1	1 second data updates from ESP; 3 second chart updates; trimming chart to 30 seconds
Controls LED on box from remote client via portal.	1	1	Ability to set level 0-9
Sources web cam video into remote client.	1	1	Separate window by port (not integrated)
ESP32 and Rpi are connected wirelessly to (or as) router; ESP32 sensor data are delivered to local node server (on local laptop or Rpi)	1	1	Node on laptop; RPi only serving video
Demo delivered at scheduled time and report submitted in team folder with all required components	1	1	
Investigative question response	0.5	1	No effort applied here.
Total objective criteria		6.5	7
Qualitative criteria	Rating	Max	Comments
Quality of solution	4	5	All pages worked remotely; 3 graphs and LED on one web page; have to manually navigate to second URL to view web cam; LED button takes you to a new page (without the graphs)
Quality of report.md including use of graphics	3	3	Report is good. Some gaps in supporting the format (eg references)
Quality of code reporting	3	3	Good
Quality of video presentation	2	3	Consider using a PPT recording for some of the technical details instead of talking details over the repeating video demo. Then you can make the overall presentation more punchy
Total qualitative criteria		12	14
Quant Weight (75)	70	75	
Qual Weight (25)	21	25	
Total Score	91	100	
Rank (1-5)	4	5	
Comments			
Macomber demoing			