Dear Group 7,

The collected feedback for your final report is provided below.

1 Choice of components, subsystems and design solutions are based on sound engineering judgement. Technical implementation looks quite robust and thorough.

2 The product specifications appear to have been met but a detailed breakdown of the cost of the prototype would have been useful in Section 5.2.

3 The report is well-structured and nicely written with carefully chosen illustrations.

1 This project was tacking a particularly difficult initial problem, with an idea that was creative, but extremely challenging. In fact, I initially thought it would be difficult for you to get it to work.

2 The iterative design and test work implemented to produce a working product shows excellent engineering skills, as well as great perseverance. As noted in 1. this was a very difficult problem; the mechanics here might seem simple but is in fact very challenging to get to work. In addition, the software skills used are excellent.

3 I particularly liked the iterative redesign: in this case removing half of your proposed hardware was a very good idea! Overall this project scores on being highly innovative and creative, and using technology that (for EEE students) is challenging because of the necessary custom mechatronics.

1 The outline of the problem is clear, with some references to social and environmental context. The goal of the project appears too ambitious, in particular considering the result that you achieved at this stage narrowing down the goals. You list the design criteria, but you do not provide comments to explain the rationale for each one or to what degree you achieved them.

2 The technical analysis of the prototype is clear and well developed and you really did a nice job combining electronics, mechanics and programming. You detailed well how you achieved the final product. For the purposes of the report, more functions could have been plotted (besides the gaussian) to show the functionalities of the prototype. The plans for future work appear reasonable. Although you make considerations on the manufacturing of the prototype, comments regarding industrial design and mass production of the final product are missing.

3 Good project management.

Considering all the marking received, your grade for this submission is A (70-100).