**Potential Improvements**

Use a smaller/simpler microcontroller that contains only the peripherals that we need

Our embedded system programme is quite small and does not require a large flash memory (check for the correct terms)

Lead to lower cost and reduced foot print

Use through hole MOSFETs to reduce the LCC footprint

In addition to this, the circuit tracks for through-hole transistors can routed in more unique ways due to the nature of the foot print, and this can help to optimise our PCB design for better dimensional optimisation

Input Voltage circuit protection for real world, higher voltage applications

Our current design makes use of many Transistors and is the primary contributor to the overall mass production cost. Optimising our component usage or finding a more cost-effective alternative for driving the motor will reduce the cost and make our LCC more competitive in the market.