

## **Recommendations to other teams**

If another team would like to continue from where we left off, we recommend using an adjustable regulator instead of the fixed one used in the prototype, which is a 7805 regulator. We recommend using an LM317 adjustable regulator and replacing Schottky diodes with Zener diodes, as they have lower resistance, increasing the overall voltage and amperage, and they can be used instead of the regulator, as they help in regulating the electricity as well as lowering the resistance. Another point that we recommend is to use the capacitors recommended in the manufacturer's data sheet for the LM317 adjustable regulator, which are two 0.33  $\mu\text{F}$  (microfarad) ceramic capacitors. One final tip that we recommend is to use a variable resistance to force the adjustable regulator to output any voltage that the other teams want to use, but it should be in the range between 1.25V to 37V.