

ARYAMAN MISHRA

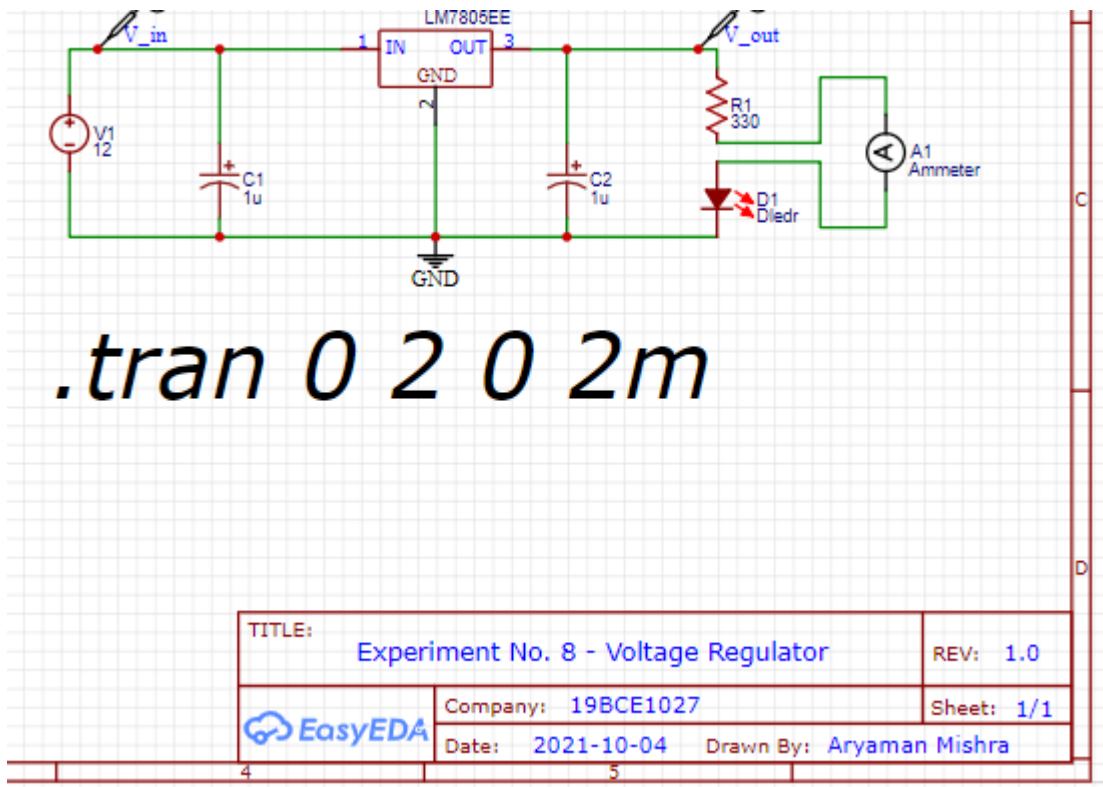
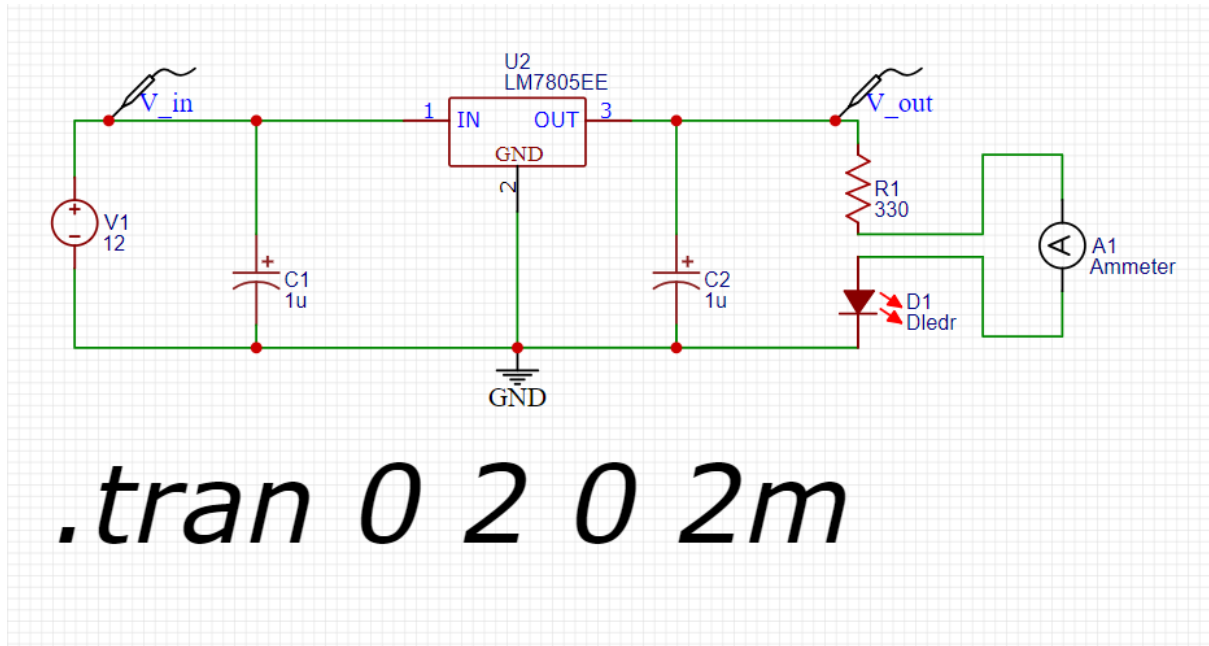
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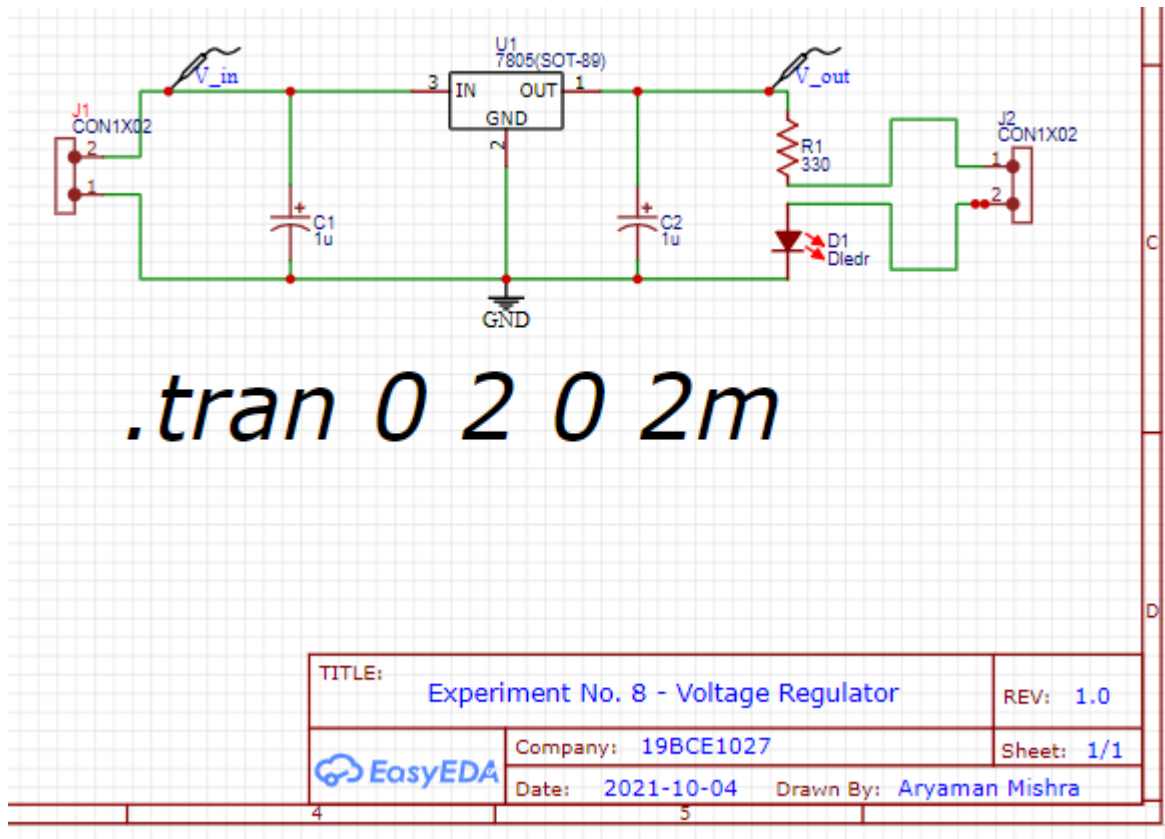
AIM: Design and simulation of PCB circuit in EasyEDA

TOOLS USED: EasyEDA

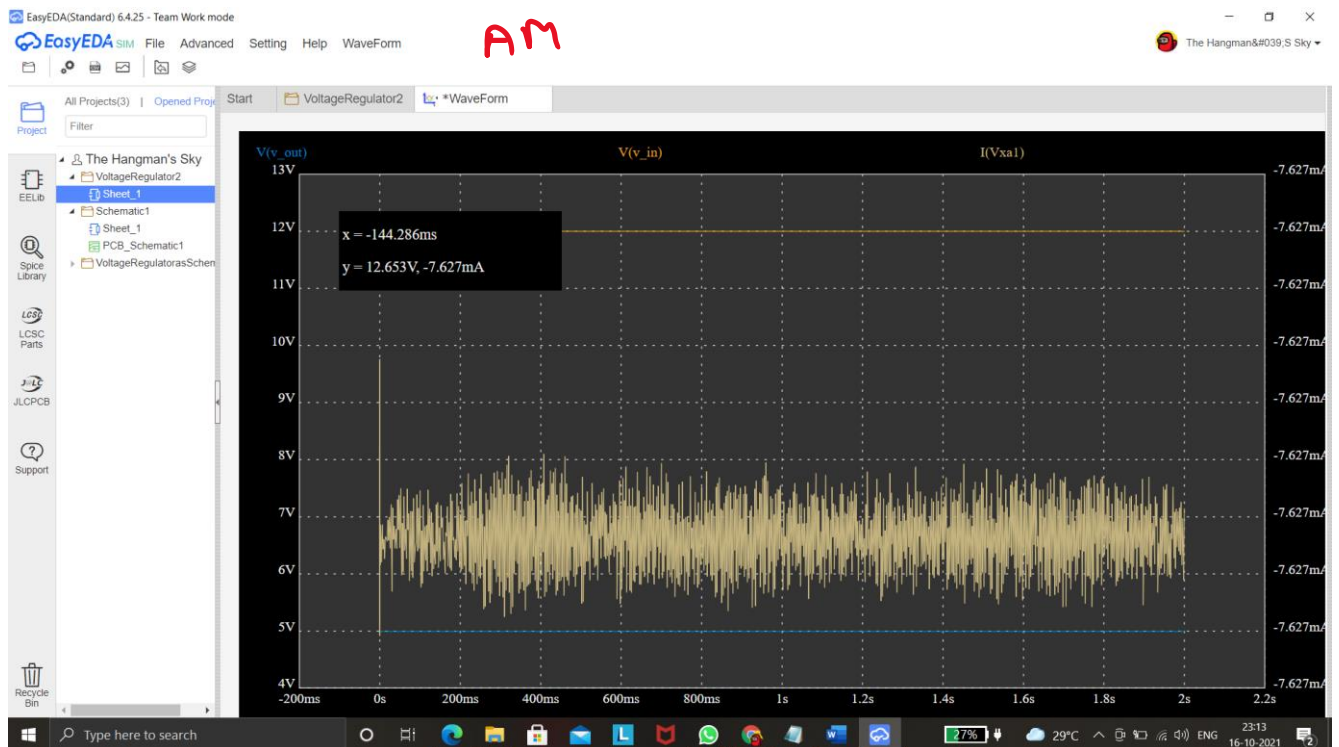
IMPLEMENTATION:

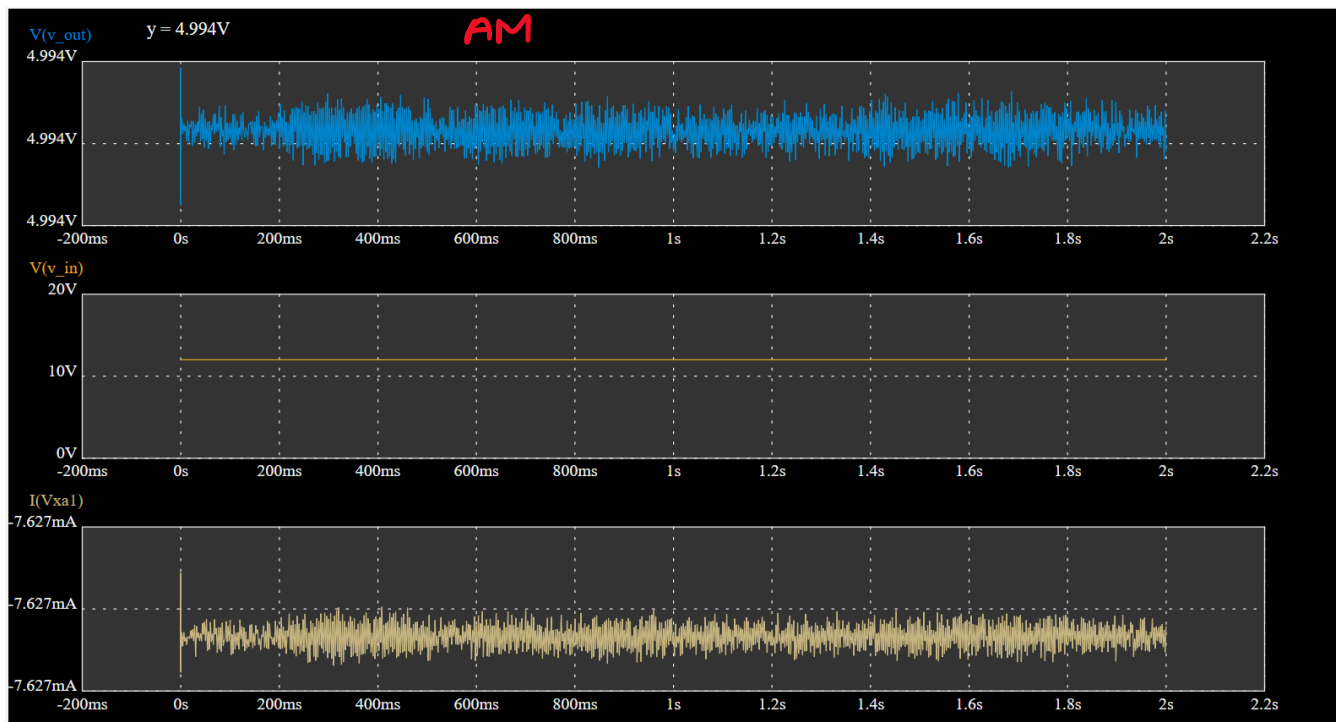
CIRCUIT:



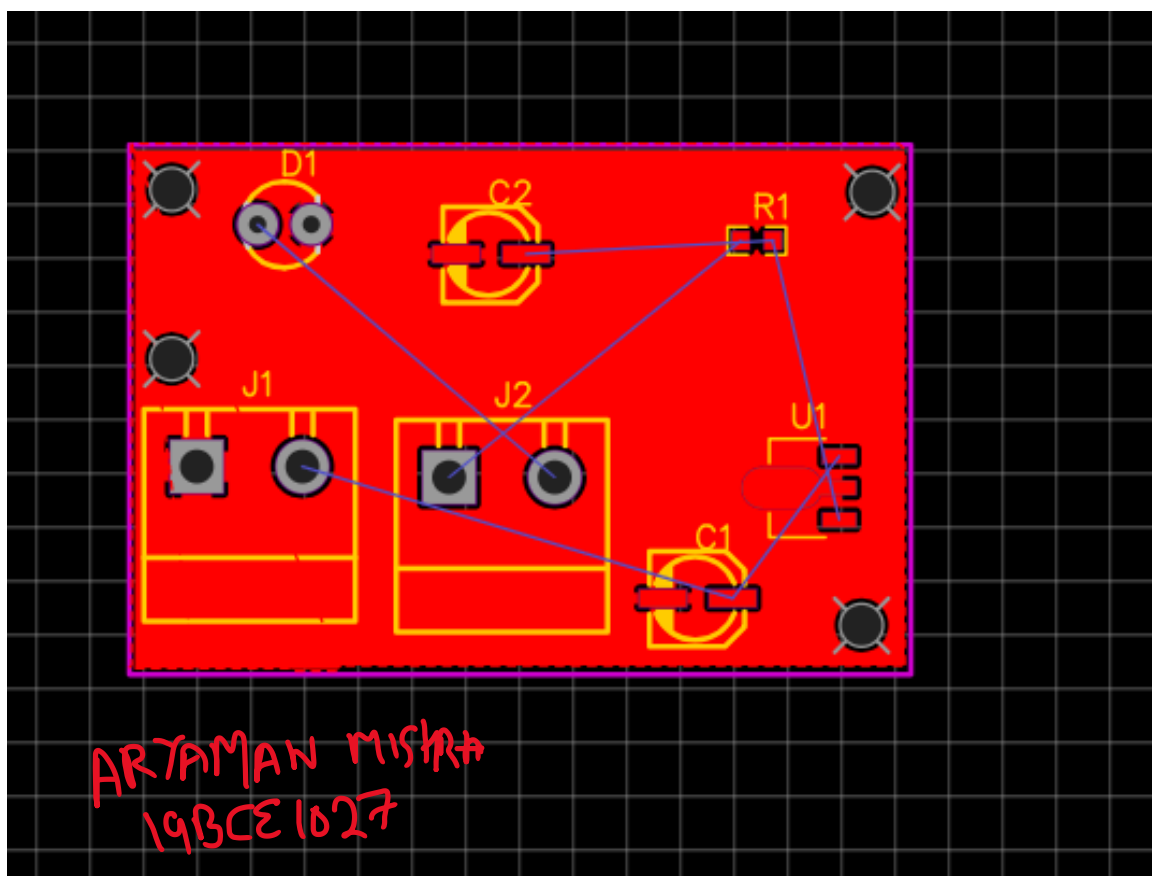


GRAPHS:





PCB DIAGRAM:



Routing of every PCB Diagram for every member will be different.

Conclusion:

From The output waveform of voltage regulator we can observe that when the input voltage is given as 12 v gives an output voltage 4.994 V which is approximately 5 V it means whatever may the current value the output will remain 5 V throughout.

In the PCB circuit of a voltage regulator J1 and J2 are the connectors, C1and C2 are the capacitors, R1 is the resistor, D1 is the led diode and U1 is the 7805-voltage regulator and the red color shows the cooper area usually referred as GND.

Thus, we successfully designed a voltage regulator and PCB circuit using EasyEDA tool and analyzed its output waveform.

Voltage Regulator has been successfully implemented in EasyEDA.