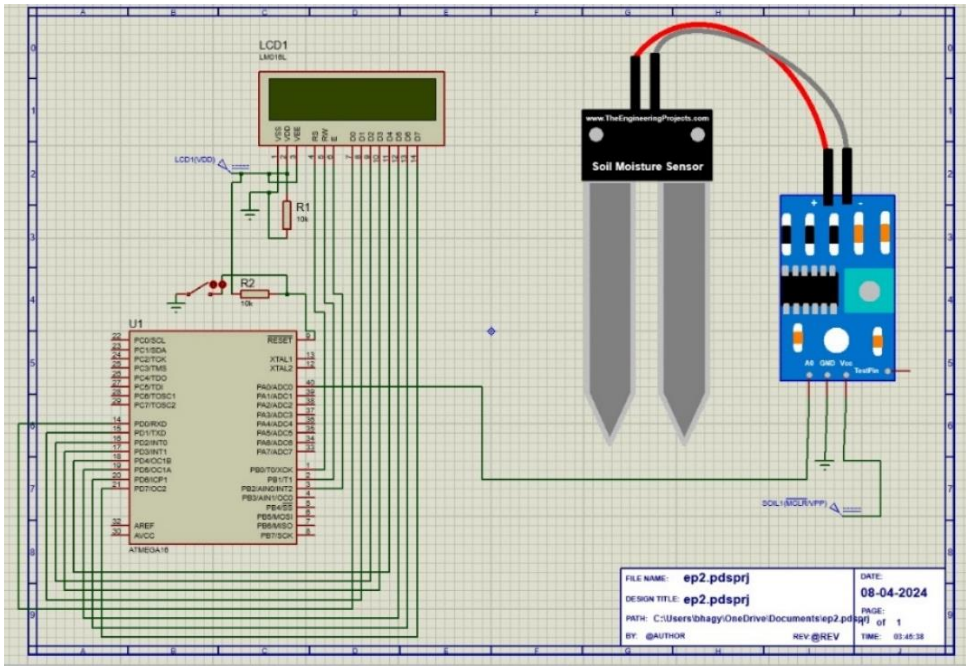
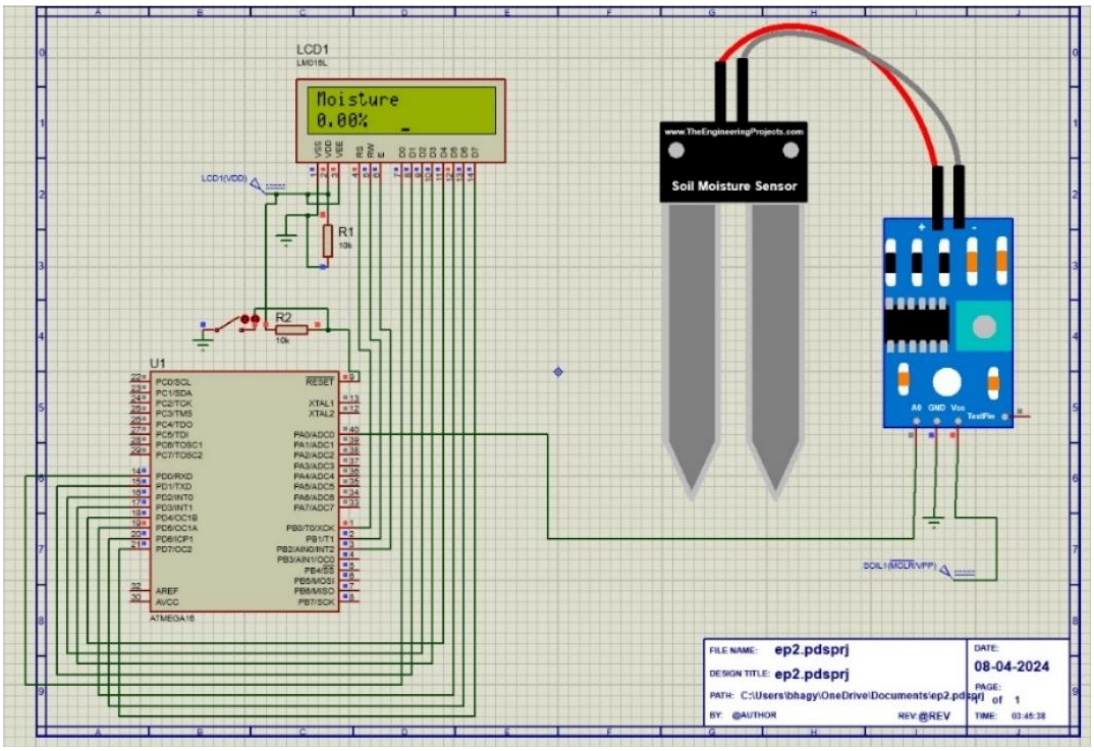
SCHEMATIC:



SIMULATION: