EE3900:Linear Systems and Signal Processing
Lab Report

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Outline
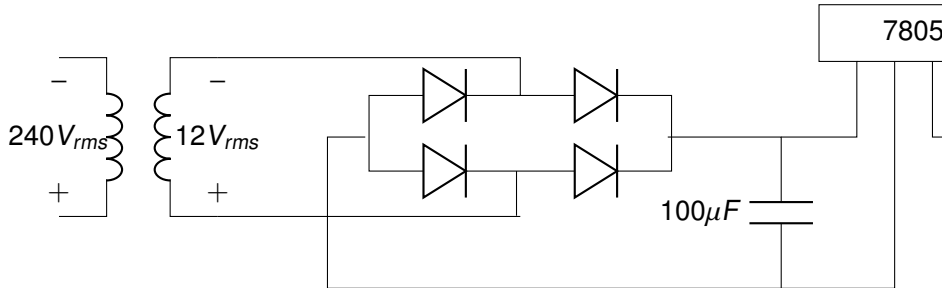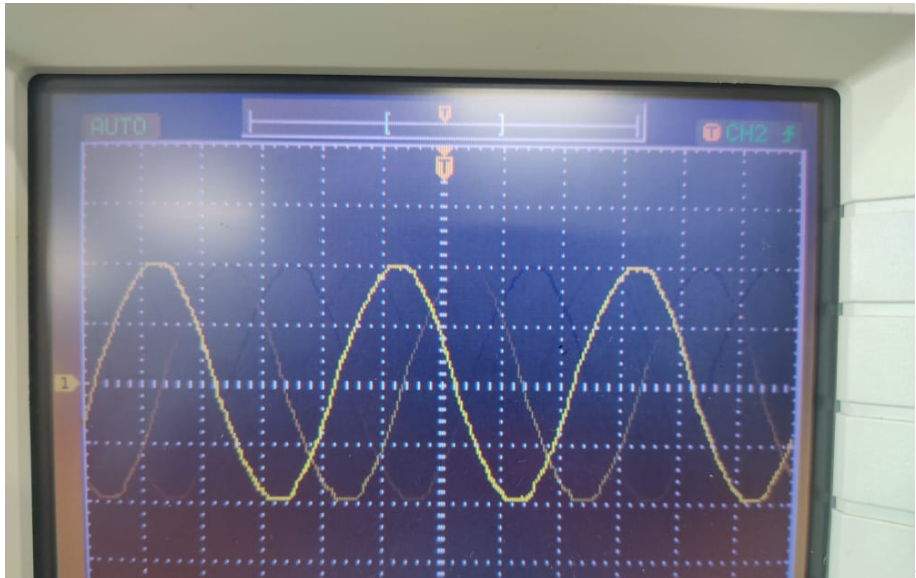
Cover

- Title: Working Model of Mobile Charger
- Date: 4-5 Segment of 3rd segment
- Team/Individual Project: Individual Project
- Course: EE3900

- BreadBoard or PCB
- Transformer(12V-0-12V)
- 7805 Regulator
- Diodes(4)
- 100F Capacitor
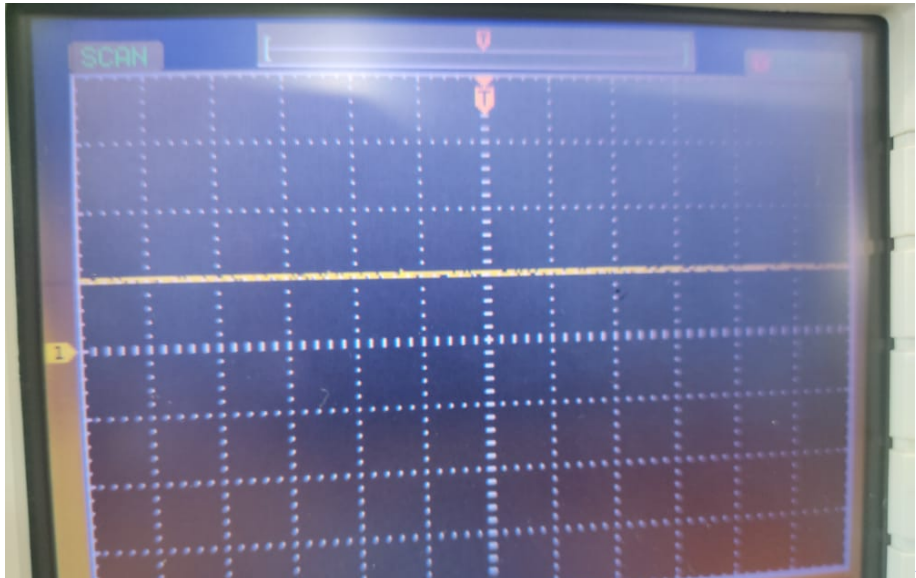- Connecting Wires
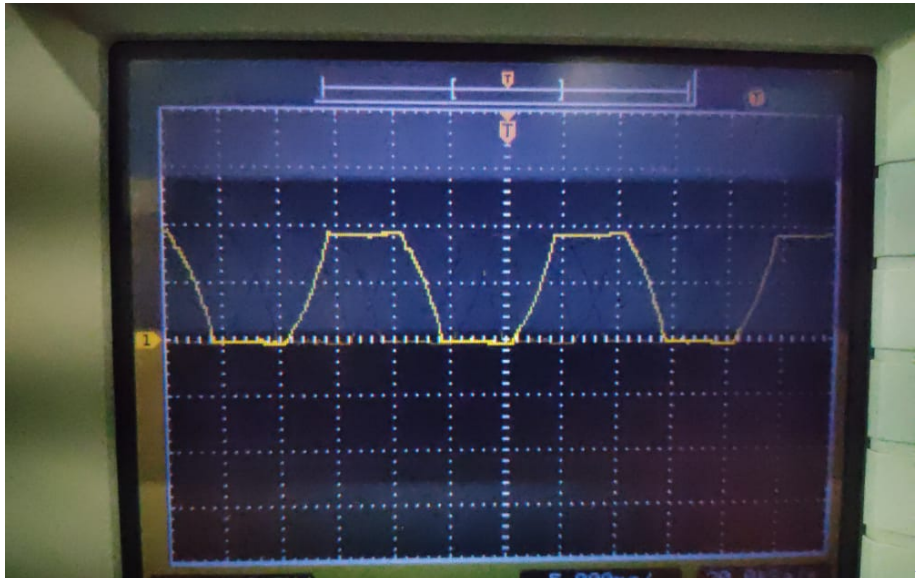- Soldering Equipment

Circuit Diagram

Input Waveforms:18V Peak

Output Waveform:Constant 5V

Half-Wave Rectified Waveform:Peak 18V

Output DC Waveform at Filter Stage:Constant 18V