## Designed Circuit in Simulink for switching frequency of 6 kHz:

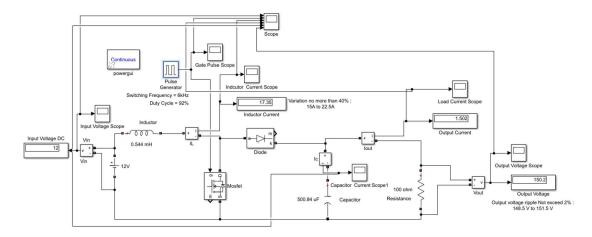
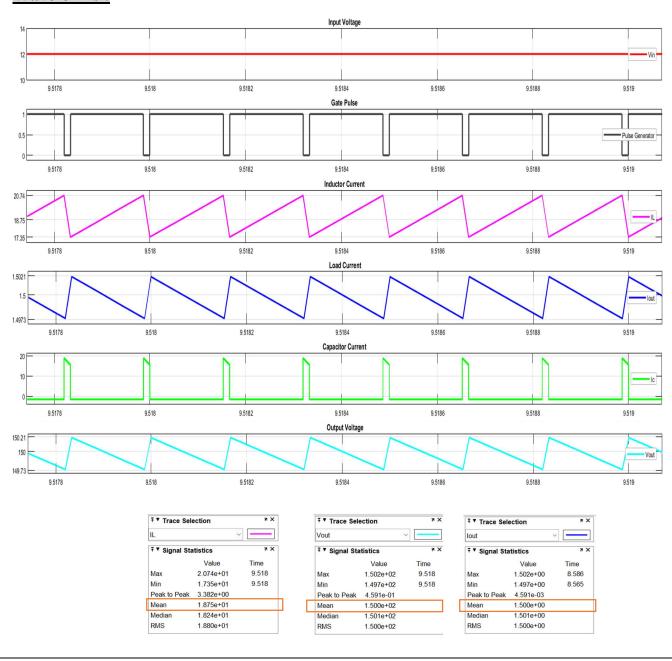
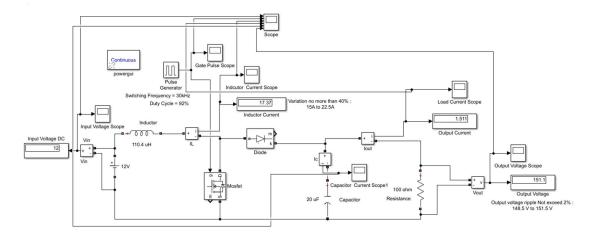


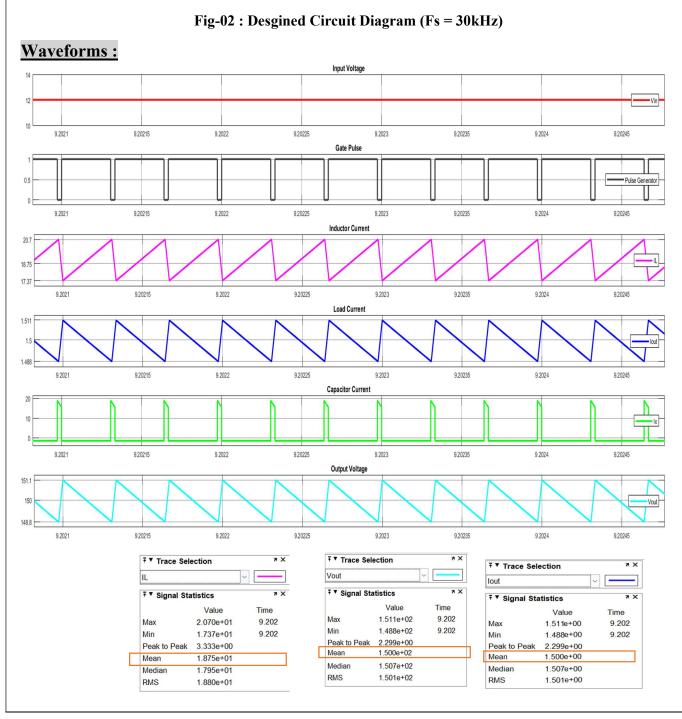
Fig-01: Desgined Circuit Diagram (Fs = 6kHz)

## Waveforms:



## **Designed Circuit in Simulink for switching frequency of 30 kHz:**





## Designed Circuit in Simulink for switching frequency of 55 kHz:

