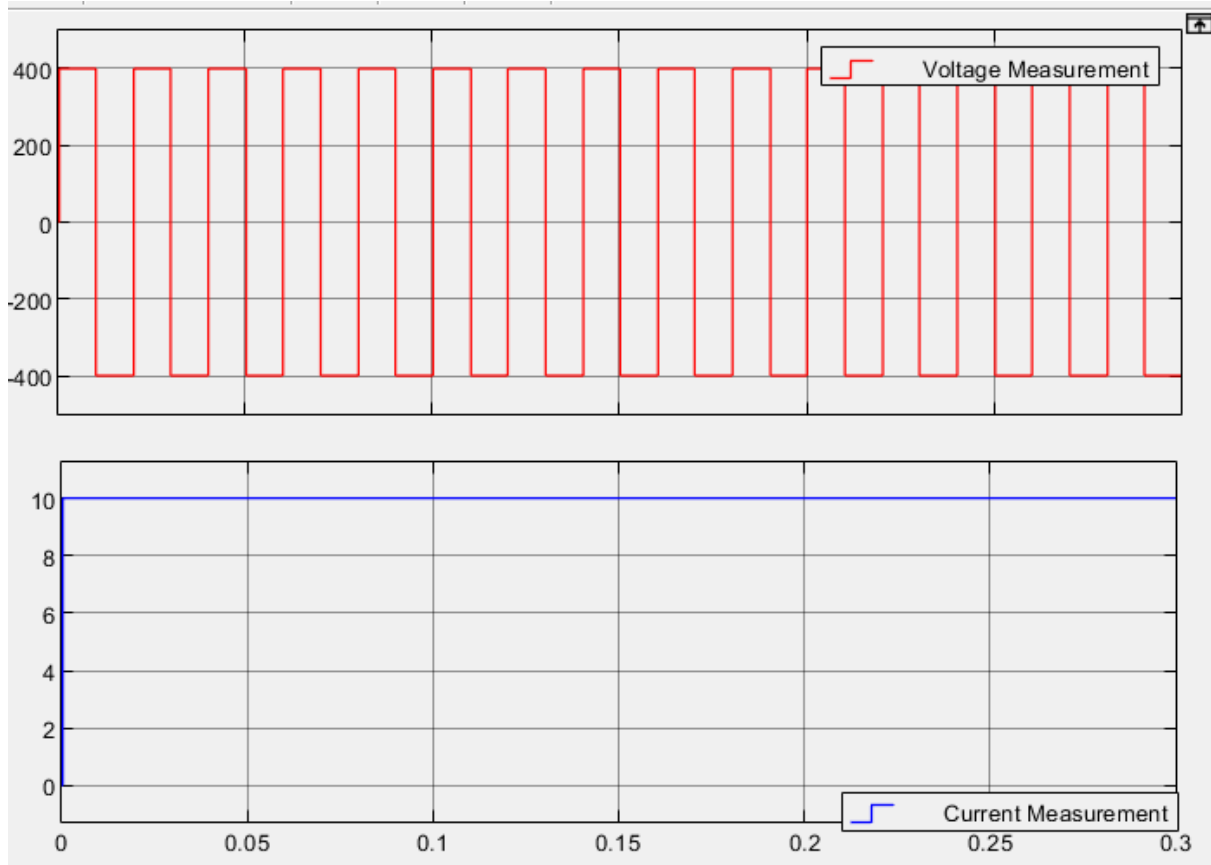
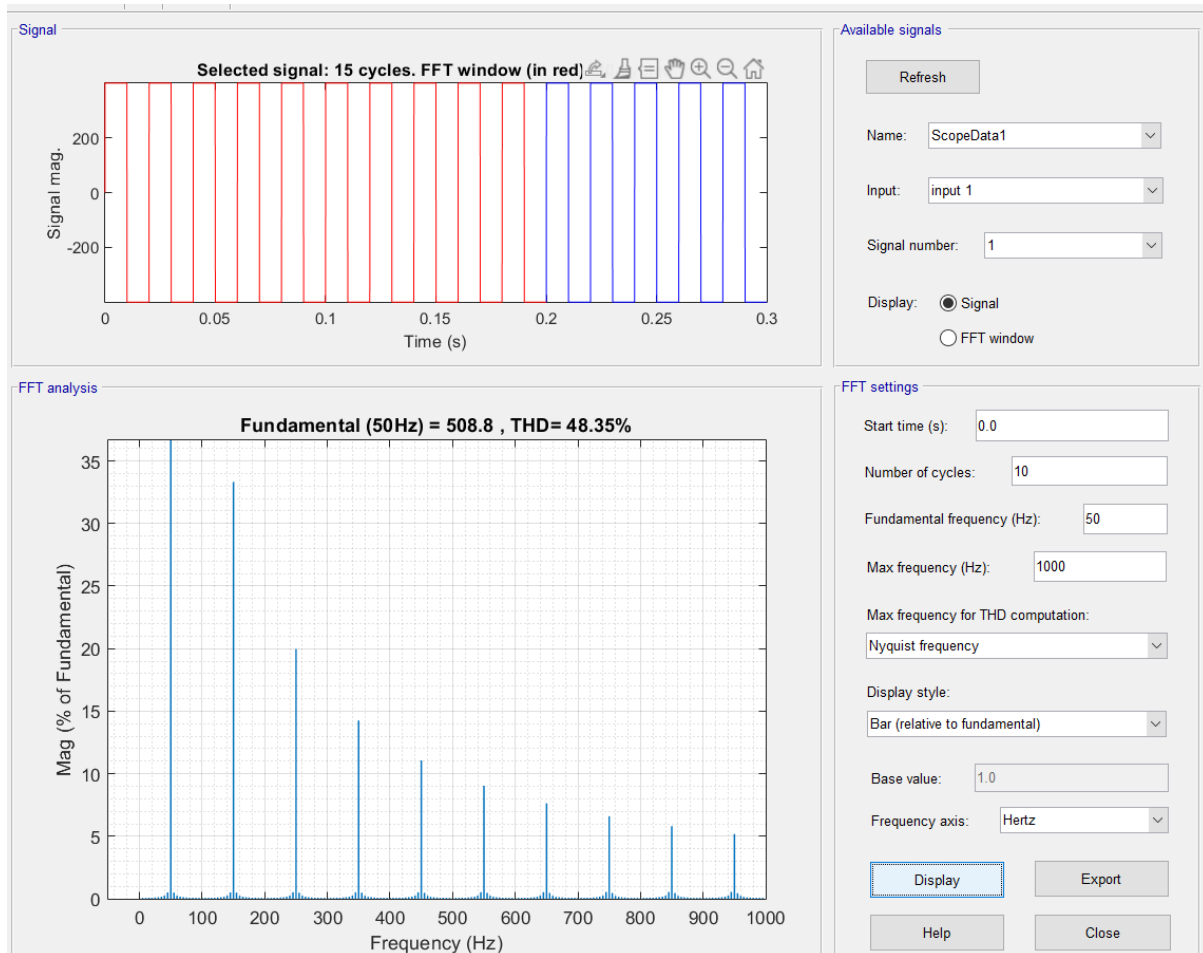


MODI OMKAR

19EE30018

Phase = 180degrees





i) THD = 48.35%

ii)

magnitude of fundamental frequency = 508.8V

3rd harmonic = 33.332%

3rd harmonic magnitude = 169.532V

5th harmonic = 19.97%

5th harmonic = 101.607V

Part 2

Modulation Index(ma)	Vab		Van	
	%THD	Fundamental rms component	%THD	Fundamental rms component
0.4	163.65%	171.4V	163.65%	98.94V
0.9	79.62%	385.7V	79.62%	222.7V
1.3	55.41%	485.5V	55.41%	280.3V

