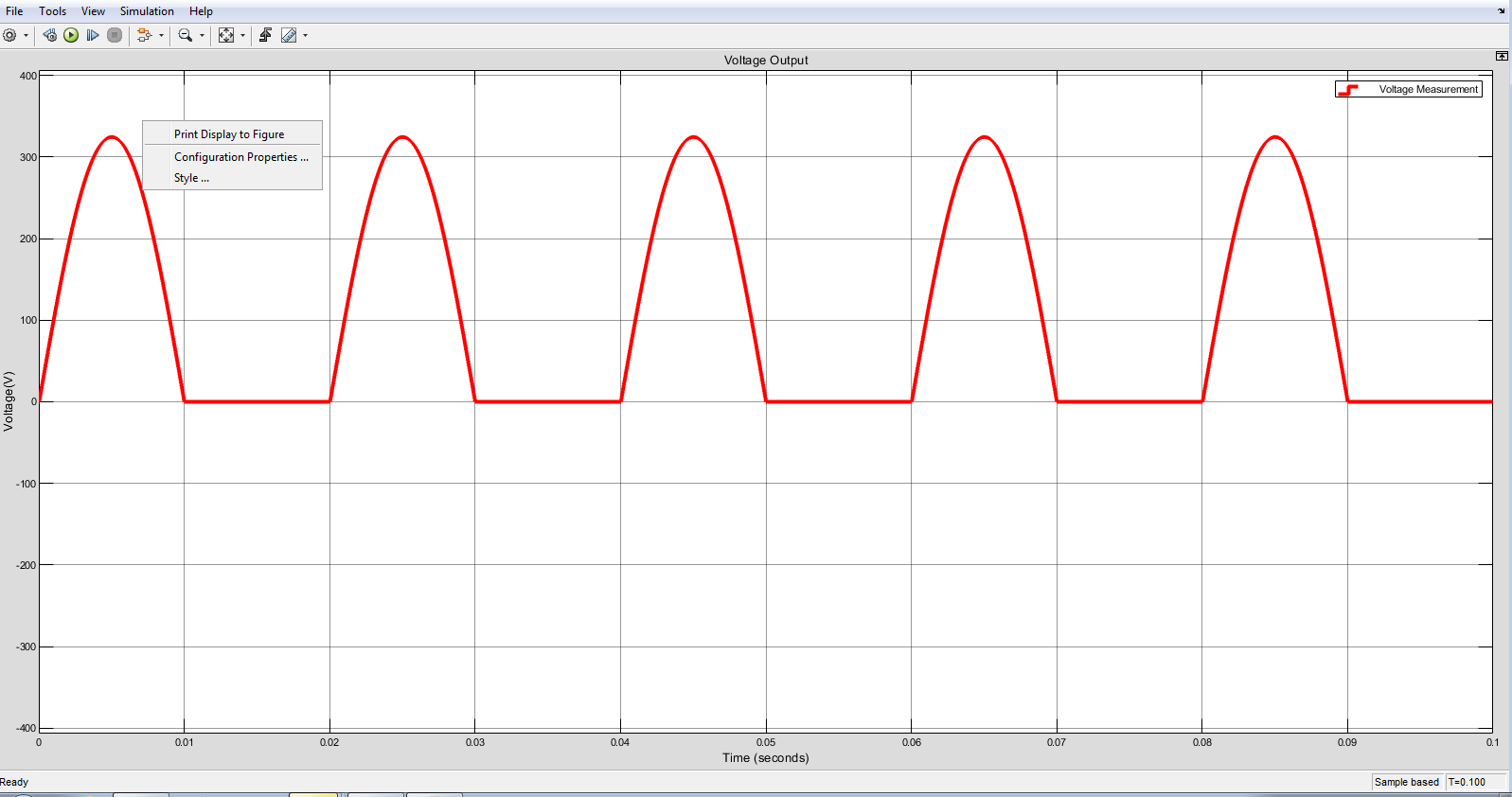
**EE 463 STATIC POWER CONSERVATION-PROJECT 1**

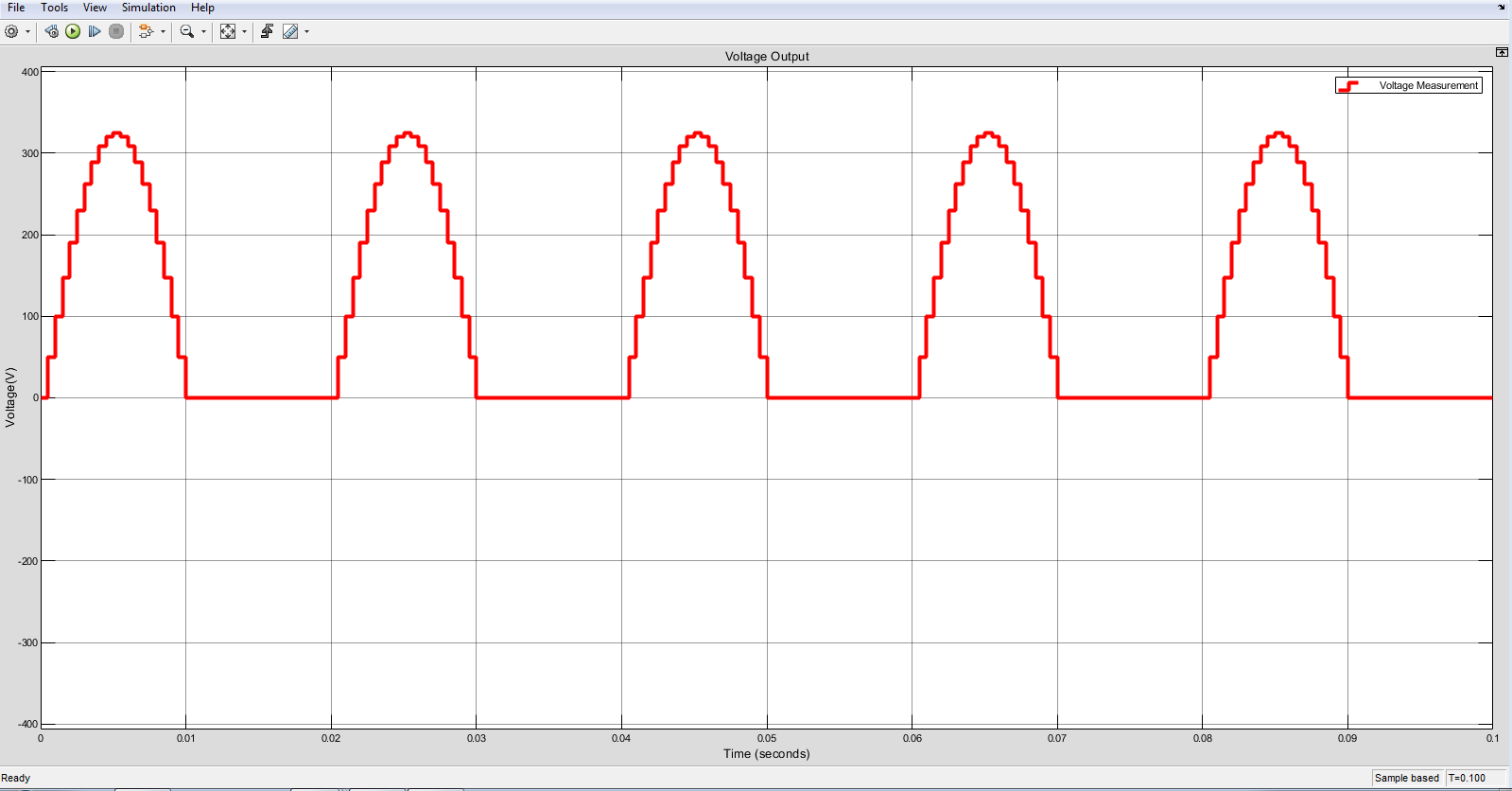
**REPORT**

**Question 1)**

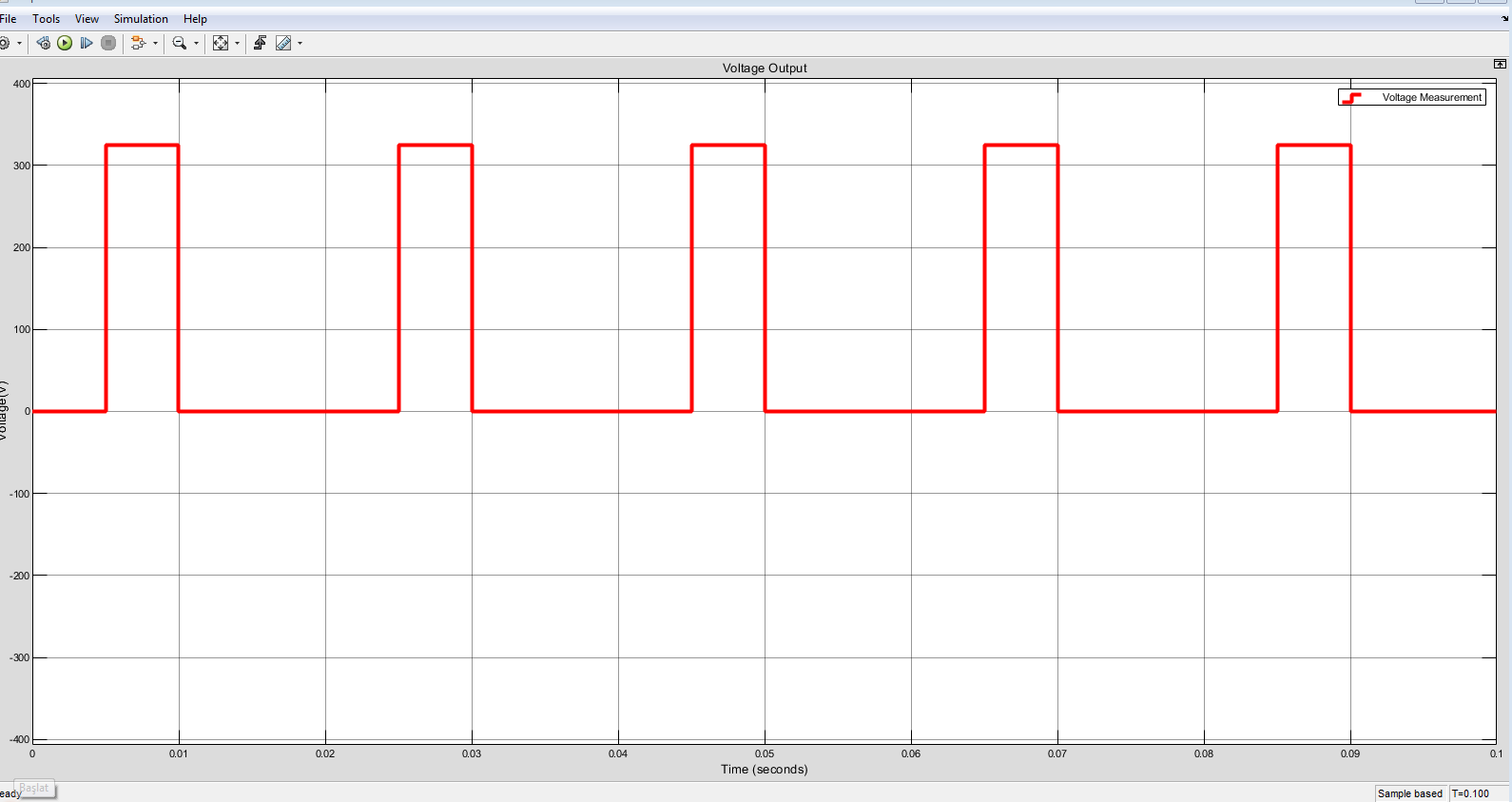
1. Voltage output of single-phase half bridge rectifier can be observed in figure 1,2,3.



*Figure 1: Output voltage of half bridge rectifier in 1ns*

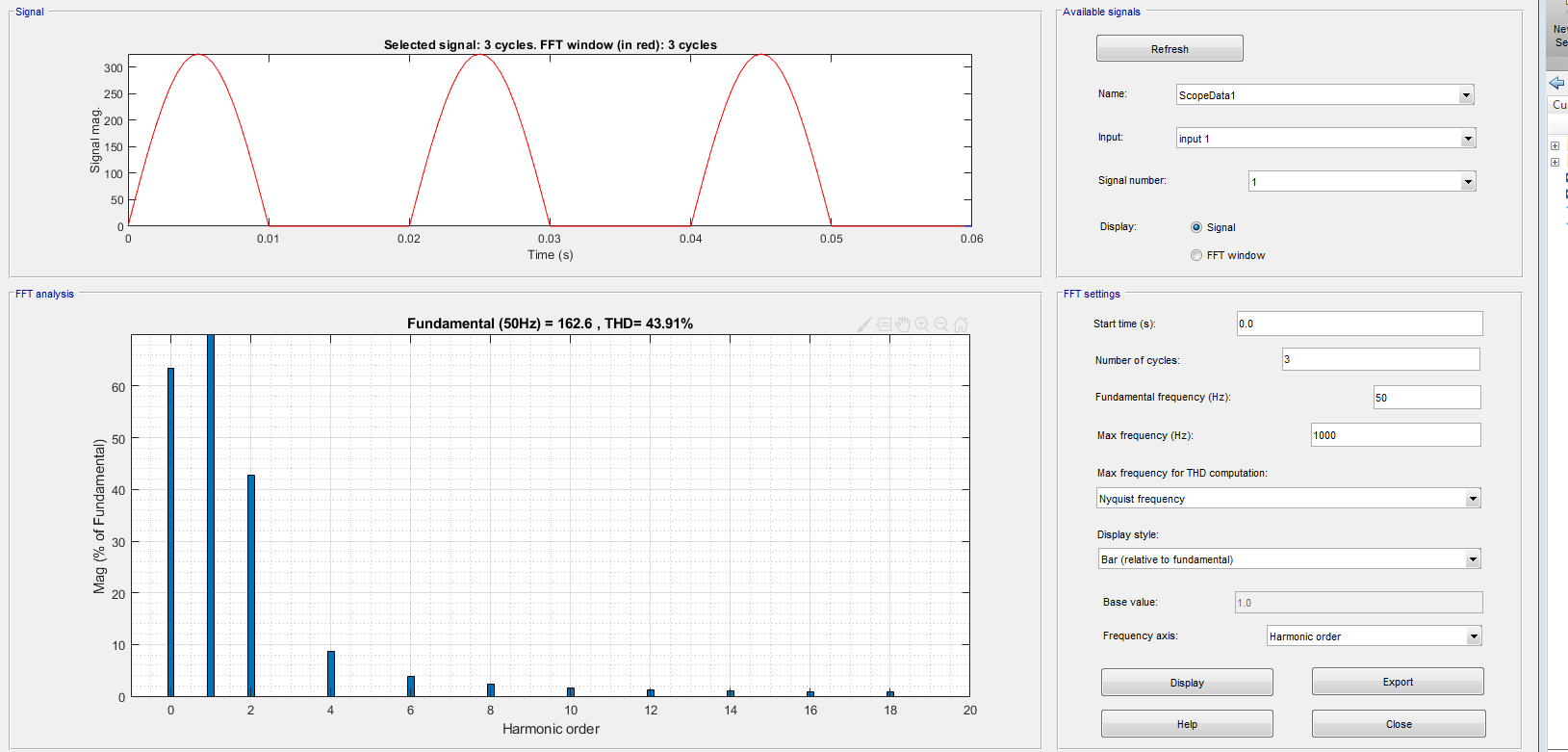


*Figure 2: Output voltage of half bridge rectifier in 0.5ms*



*Figure 3: Output voltage of half bridge rectifier in 5ms*

Nearly pure sinusoidal waveform is observed in figure 1. İts step time is 1ns so it is more sinusoidal than others. It samples in Nano seconds range so it is more detailed.

1. ****