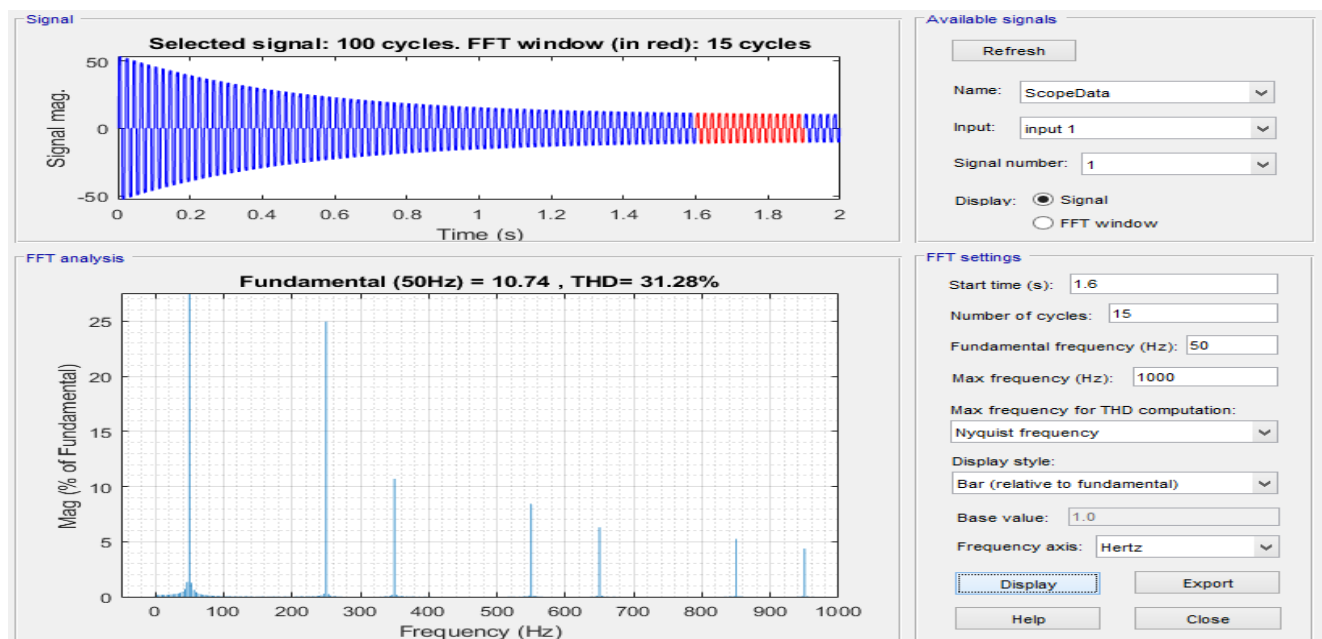


**Figure 1:** Waveforms of armature current, speed and torque of the motor



**Figure 2:** THD of line current