Reference Guide

Follow the sequence of videos to understand the flow of **Week 2**:

1. Overview of course by Prof. Kavi Sir: https://youtu.be/fGwOG_WAqic

2. Powering and Testing of Firebird V: https://youtu.be/arF3RKwaFfw

   [Note: During Testing if COM port is not detecting, you need to install drivers. Steps to install drives or FT232 USB to Serial Converter are covered in detail in the section 6.5 "Installing drivers of FT232 USB to Serial Converter" of the Hardware Manual]

3. Installation of required software (Atmel Studio 7 and Proteus 8 Demonstration): https://drive.google.com/open?id=11LxYaDEjnE2GaPKhiqddK-eai9L01GQX

   [Note: Note: Even if you have Atmel Studio 6 and Proteus 8 Professional software installed on your system, you still have to install Atmel Studio 7 and Proteus 8 Demonstration software for this course]

4. How to burn .hex file: https://youtu.be/2fwSVzJTGxw

5. Proteus Simulation: https://youtu.be/2mgKnRqO4Gg. Sample Atmel Studio 7 project named, Simulation.atsln used in the video can be downloaded from:

   https://drive.google.com/drive/folders/1O8Eua1ANQSfDR9t8KW7Qd1YR56AzDQG9

6. Install **Serial Terminal** application provided in: MOOC_resources / Extra resources / Firebird V ATmega2560 Robot / Software and Drivers / Terminal Software from NEX Robotics

7. Week 2 video tutorials:

   - ADC: https://youtu.be/OAAqymUdAb8

   - Interrupts: https://youtu.be/rqsa2JqvrWA