Raptor Displays VeeCAN Training

Learn the fundamentals of Raptor Displays in this 1-day training course. Perfect for beginners, you'll gain hands-on experience creating HMI (Human Machine Interface) screens, integrating VeeCAN Raptor Display blocks, and implementing custom displays for your applications.

Disclaimer: This is a typical agenda for this course. The time allocated to each topic is an estimate, and timings will vary from class to class as we adjust the depth of each section to meet the individual needs of the participants.

9:00AM

Introduction
- New Eagle Background
- What is an HMI?

9:20AM

Software Installation
- Compatibility & Installation
- Software Components
- Hardware Components
- License Viewer
- Raptor Configuration Editor

9:50AM

Raptor Displays Overview
- Raptor Display Basic
- Raptor Base Software Templates
- *Exercise 1: Template Display Project Build*
- Model Top Level Blocks
- Raptor Display Library & Workflow
- *Exercise 2: "Hello World"*

10:50AM

Morning Break

11:00AM

Raptor Displays – Application Development
- Application Design
- Raptor Display Library - Drawing & Screen Blocks
- Flashing VeeCAN using Raptor-Cal
- *Exercise 3: "Blinking LED"*

12:30AM

Lunch

1:30PM

Raptor Displays IO Implementation
- Raptor Dev Library - General Purpose IO
- Raptor Dev Library – CAN
- *Exercise 4: Throttle Body Actuator Control Screen*
- Raptor Dev Library – Serial & Modbus
- *Exercise 5: Serial Demo*

2:50PM — **Afternoon Break**

3:00PM — **Raptor Displays – Data Logging**
- Data Logging Feature
- Raptor Display - Read & Write Blocks
- Raptor Display - USB & File Read Blocks
- Best Practices
- *Exercise 6: Data Logging Demo*

4:00PM — **Raptor Displays – Custom Screens**
- Raptor Display Library – Prefab
- Raptor Display Library – Touchscreen
- Graphics Development
- *Exercise 7: Dashboard and Test with Raptor CAN*

5:00PM — **Class Ends**