### Sample Itinerary

**Monday**
- 9 – 9:30 a.m. Welcome and Registration
- 9:30 – 10:30 a.m. LED series circuit
- 10:30 – 11 a.m. Arduino C++ Programming – Blink LED
- 11 a.m. – 12 p.m. Project 1: Traffic Lights
- 12 – 1 p.m. Lunch on your own
- 1 – 2 p.m. Programming: Data types, displaying information
- 2 – 3 p.m. Programming Decision Making
- 3 – 4 p.m. Project 2: Music & Lights

**Tuesday**
- 9 – 10 a.m. Analog, Pulse Width Modulation circuits
- 10 a.m. – 12 p.m. Introduction to visual python
- 12 – 1 p.m. Lunch on your own
- 1 – 2 p.m. Robot Car Assembly
- 2 – 4 p.m. Robot Driving Fundamentals

**Wednesday**
- 9 – 10:30 a.m. Remote Driving Control
- 10:30 a.m. – 12 p.m. Line-tracking sensors
- 12 – 1 p.m. Lunch on your own
- 1 – 4 p.m. Line-following/Maze Solving

**Thursday**
- 9 – 10:30 p.m. Distance Detection with Ultrasonic Sensors
- 10:30 a.m. – 12 p.m. Data Visualization with python
- 12 – 1 p.m. Lunch on your own
- 1 – 2:30 p.m. Programming Arrays, Sorting
- 2:30 – 4 p.m. Filtering Noisy Data

**Friday**
- 9 – 10 p.m. Servo Motors
- 10 a.m. – 12 p.m. Ultrasonic Radar Object Detection
- 12 – 1 p.m. Lunch on your own
- 1 – 4 p.m. Autonomous Obstacle Avoidance