Flow Chart

1 Ajjas Telematics

- Aim
- Description
- Manual
- Connection Block Diagram
- App Features

2 CAN Protocol

- Battery CAN File
- ANT BMS Protocol
- JBD BMS Protocol
- Controller CAN File CAN DBC file

3 Camera

- Aim
- Description
- Installation Guide
- Manual

4 Website

- Aim
- Description
- Features
- Designs
- Calculations
  a. Efficiency calculation
  b. Gradient Calculation
  c. Weight Calculation
- Web app design UI
  a. UI images
  b. Operational Video
- Software files
  a. Client Files
  b. Server Files

5 HMI Cluster and Telematics

- Aim
- Description
- Bill of materials
  - BOM with ANT BMS
  - BOM with JBD BMS
- Features
  - HMI
    i. Cluster features
    ii. Features list
  - Telematics
    i. Telematics list
- Procedure
  - Document
    i. cluster and telematics document
- Observations
  - HMI observations
    i. Operations
    1. vehicle assembly
- Designs
  - HMI
    i. Components
    - Components List
    - Components Details
      a. Arduino Mega
      b. Buck converter
      c. Dwin Display
      d. MCP2515 CAN Module
      e. 4 channel Relay
      f. RFID reader

    ii. Hardware Design
    - Pcb fabrication file
    - Pcb Schematics file
    - Pcb Gerber files

    iii. Software Design
    1. Dwin display files
    2. Arduino firmware
  - Telematics
    i. Components
    - Components List
    - Component Details
      a. ESP32
      b. MCP2515 CAN Module
      c. MPU6050 gyroscope
      d. Neo-6m GPS

    ii. Hardware Design
    - Pcb fabrication file
    - Pcb Schematics file
    - Pcb Gerber files

    iii. Software Design
    1. Esp32 firmware
- Testing
  - Component testing
  - Performance testing
  - Reliability testing
  - Unit testing
  - Testing flowChart