**DAY 1 (Wednesday - 1st May 2024):**

1. Made a database for all the items
2. Soldered:
   1. Nano pins
   2. RC522 pins
3. Tested:
   1. Uno pins
   2. Nano pins
   3. RC522 pins
   4. IR Sensor

**DAY 2 (Thursday – 2nd May 2024):**

1. Configured the Ultrasonic
2. Made the obstacle avoiding car (for humans)

**DAY 3 (Friday – 3rd May 2024):**

1. Made and 3d printed a couple of ultrasonic holders
2. Tested and checked all the Ultrasonic sensors

**DAY 4 (Sunday – 5th May 2024):**

1. Made an ultrasonic based following robot
2. Tested said ultrasonic based following robot
3. Failed
4. Used an ESP32-CAM to initiate AI and detect items

**DAY 5-8 (Monday – 6th May to Thursday – 9th May):**

1. Made Esp32 cam object detecting code
2. Detected few objects
3. Didn’t move or track
4. Failed
5. Research and learned about esp32 cam

**DAY 9 (Friday – 10th May 2024):**

1. Made wifi/hotspot following car
2. Initialized wifi processing and converting RSSI to distance
3. Combined it with the car

**DAY 10 (Saturday – 11th May 2024):**

1. Worked on ESP32Cam,
2. found detection python code
3. tried detection on ESP32

**DAY 11 (Sunday – 12th May 2024):**

1. Worked more on ESP32Cam,
2. Made stl files for servo movement
3. Tested servo movements