



AI-Powered Driving Skill Assessment

Fully Customised Solution

Compatible with Sarathi

End-to-End Project Support

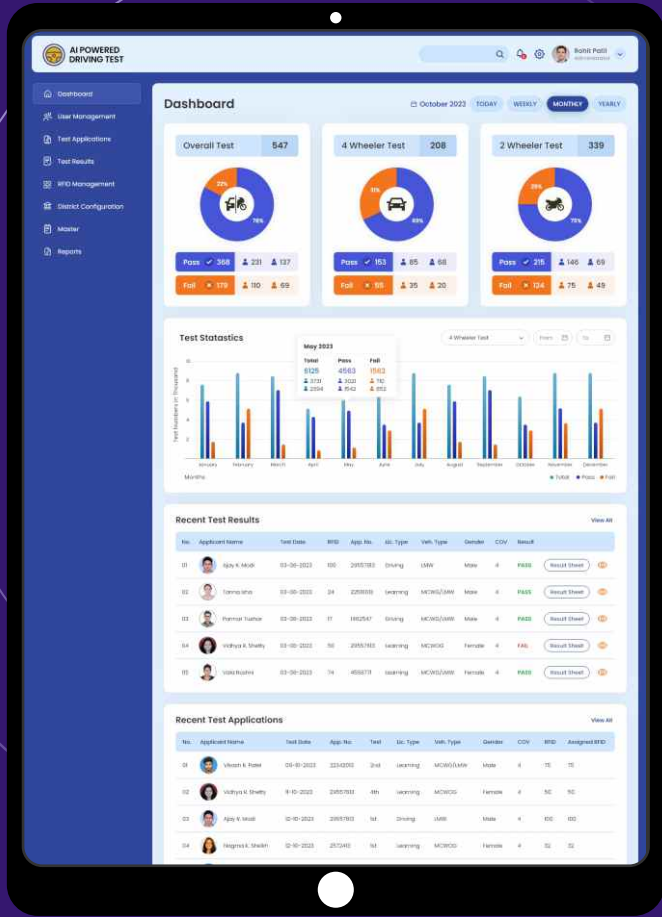
Wireless Pole Sensors

SKILL ASSESSMENTS EXECUTED ON SENSOR-ENABLED TEST TRACKS

AUTOMATION OF DRIVING TEST TRACKS FOR HMV, LMV & TW USING AI VIDEO ANALYTICS

Salient Features

- Applicant Face Detection
- Standard Direction
- Out of the track detection
- Average Speed Detection
- Seat Belt Detection
- Plotting vehicle path on Map
- Identification of reverse movement
- Identification & counting the number of stops
- Track/Test wise Duration



Video Analytics

Capture Scenario

- 1 A camera captures the scenario from the track and an algorithm based on computer vision will give results to the front-end GUI based on which result is predicted.

Real-time Object Detection

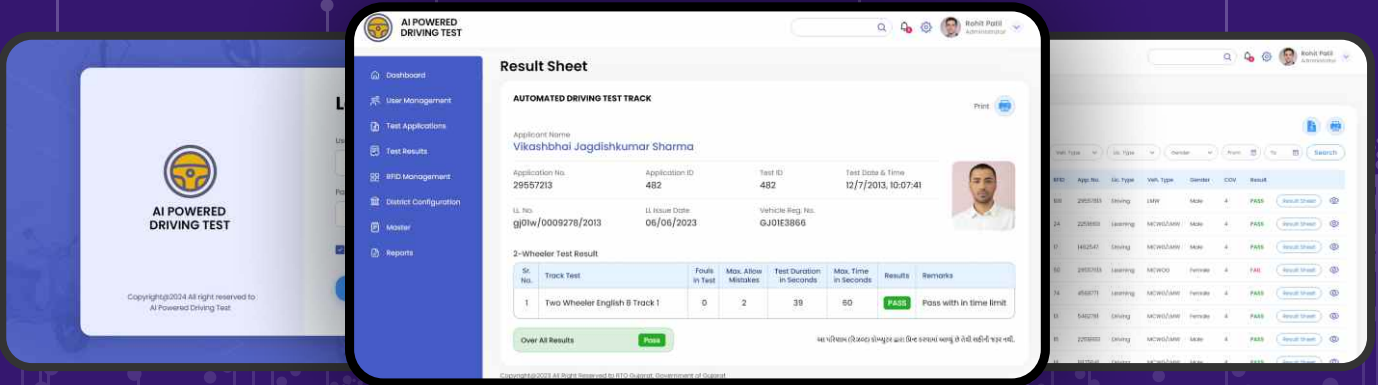
- 2 Object detection technique will identify and locate objects in an image or video. An object localization algorithm will output the coordinates of the location of an object with respect to the image.

Front-end Mapping with GUI

- 3 A desktop application will generate the result using real-time analytical data.

Skill Measurement Result

- 4 Finally result will be shown indicating driver's name, vehicle #, traced path, # of stops, # of fouls, speed etc



2 & 4 Wheeler Vehicle Test (Can be customized as per need)

