

RIDER TELEMETRY SYSTEM OUTPUT REPORT

System Boot:

- MPU6050 connected
- GPS initialized
- BLE advertising started
- Calibration completed successfully

Sample Sensor Data (Live Snapshot)

Speed: 36.8 km/h

Acceleration (Forward): -0.12 m/s²

Acceleration (Lateral): 0.34 m/s²

Gyroscope (deg/s): X=0.5, Y=1.2, Z=0.9

Lean Angle: 7.5°

Deceleration: 0.12 m/s²

Latitude: 12.9716° N

Longitude: 77.5946° E

GPS Satellites: 8

Ride State: MOTORCYCLE

BLE Connection: ACTIVE (10 Hz data updates)

Harsh Braking: NO

System Status Summary

- All sensors initialized successfully.
- Data transmission via BLE confirmed.
- GPS lock stable with 8 satellites.
- MPU6050 readings consistent and calibrated.

- Rider classified as 'MOTORCYCLE' state.
- No communication or sensor faults detected.

End of Report
