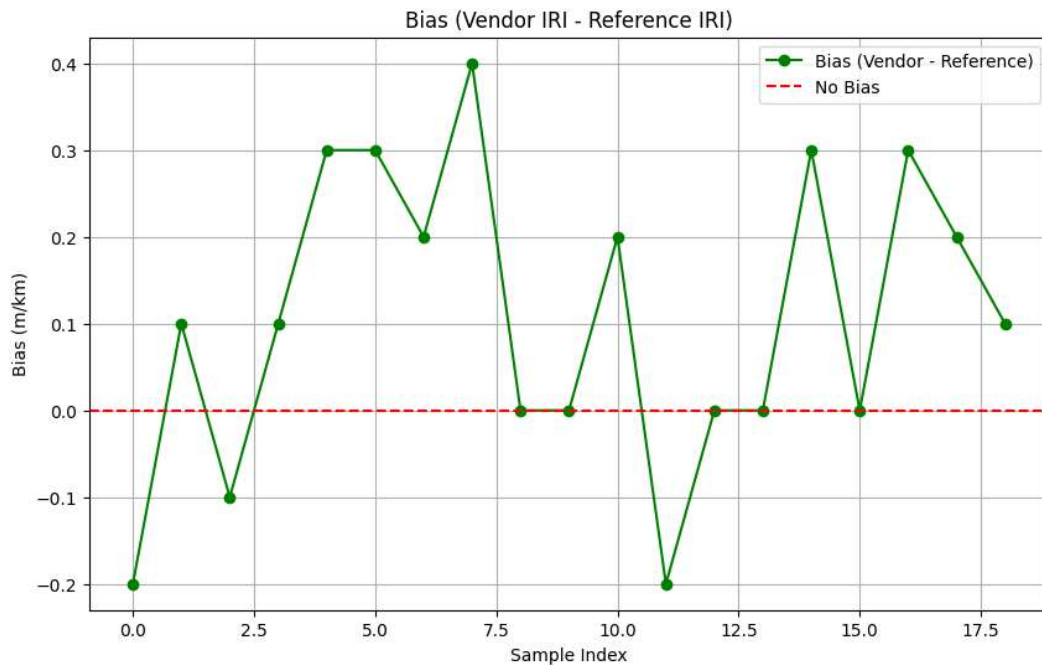
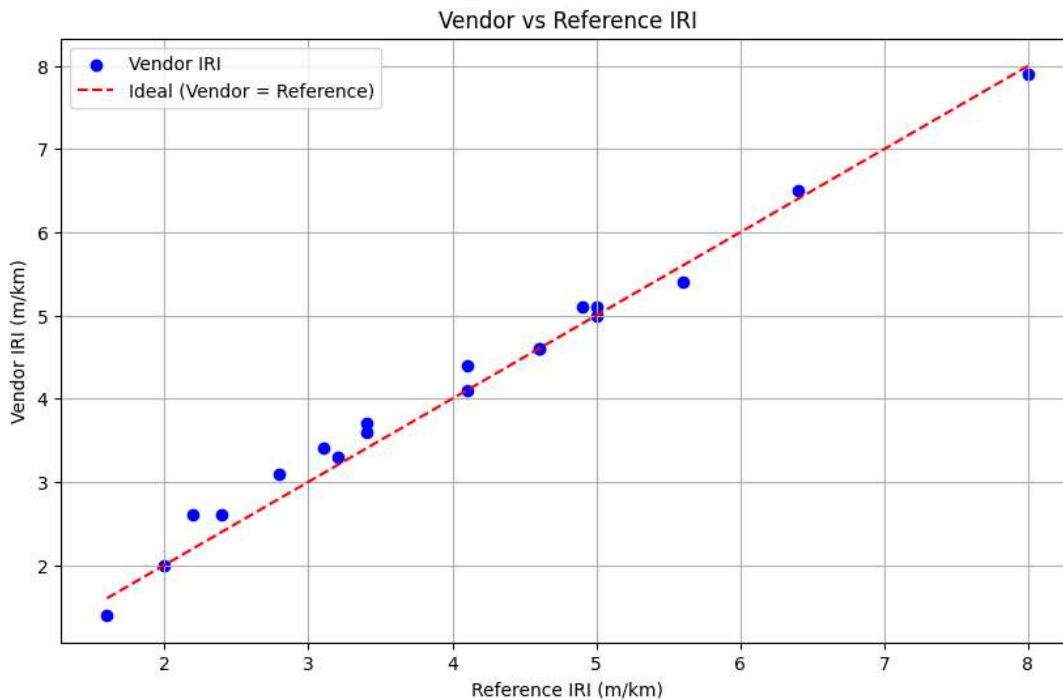
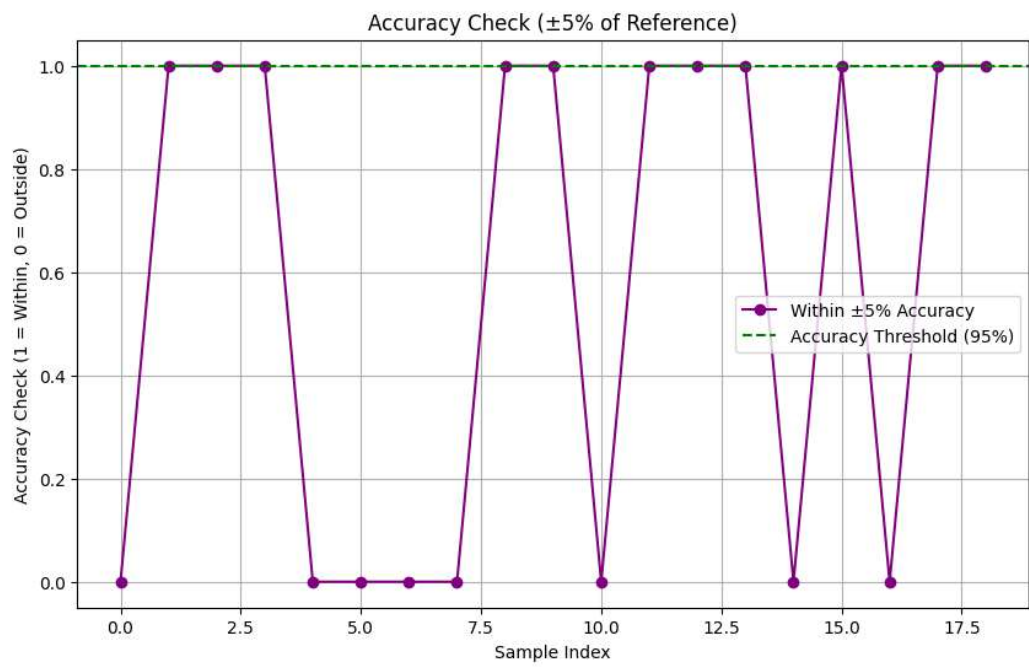
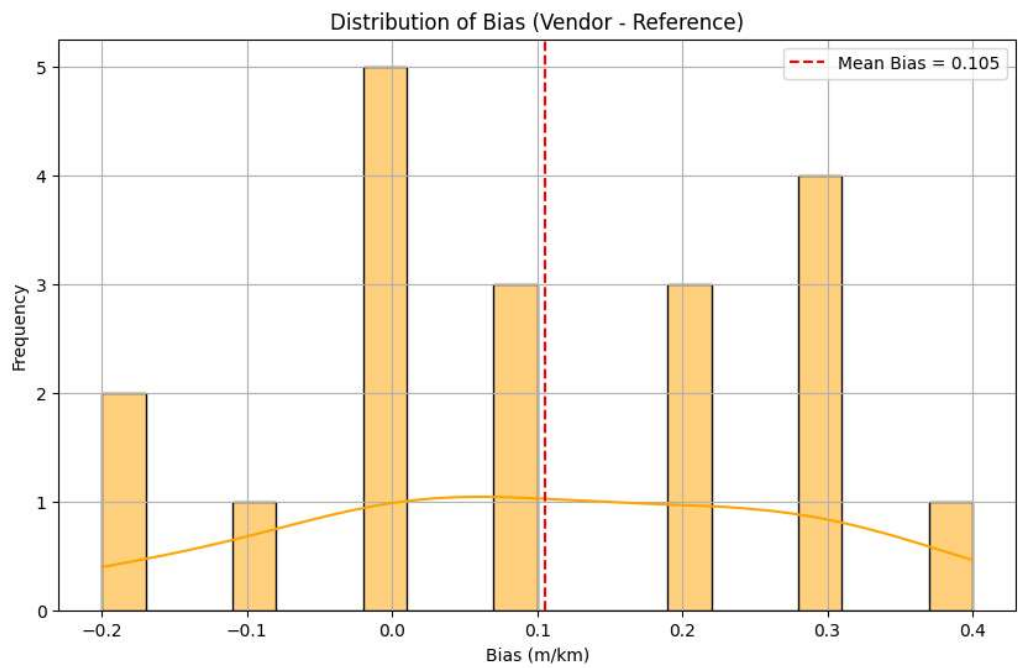


Question 1

- Paired t-test: t-statistic = 2.626128657194452, p-value = 0.01713065198578815
- There is a significant difference between the vendor and reference measurements.
- Mean bias = 0.10526315789473686
- The vendor equipment consistently overestimates.
- Percentage of data within $\pm 5\%$ accuracy: 57.89473684210527%
- The automated equipment is not acceptable.





Question 2

Mean Rutting Measurement: 11.46 mm

Standard Deviation of Rutting Measurements: 2.01 mm

The measurement method does not meet the acceptance criterion.

