

FORM 442 QUESTION 7: PURPOSE OF EXPERIMENT

Description:

The device to be adopted in the project is for an electric vehicle. It would be using radio frequencies to communicate to the charging station.

Equipment:

CAN to WiFi gateway which will exchange current and voltage limits for charging the electric vehicle using SAE J3105 charging standard.

Objective:

This device is required to facilitate inverted pantograph charging for the electric vehicle using WiFi communication over 5Ghz frequency ranges.

Contribution:

The project would help in expansion of radio art in the automotive sector especially in the charging of electric vehicles.