Piloting Smart Tracking in Tractor at Brahmanbaria

**Implementation:**

* Installed Smart tracking system in “TAFE - Maha Mahan 5450DI” (old model) with the GPS device ID: 358735075103050 (from Dingi) SIM: 01844536768 (from Dingi).
* The installed system working properly.
* Data are showing in the dashboard and Apps.
* The system showing vehicles on/off status, speed, location, live trip, on/off alarm.
* The vehicles can be remotely shut off and on by SMS command.

**Findings:**

* There are two types of tractor; old model and new model. The two of the tractor model have electric start system but the old one also has other option to start.
* The old one can be start by simply pushing it or even using hot sparking. In this case the remote *engine cut-off* or *engine restart* by SMS command is not fulfilling the requirements.
* Sometimes customers tamper the electric system of the vehicles in order to hiding the running hours or RPM from the vendor. Necessary algorithm needs to develop for solving the issue.
* The fuel tank dimension is dynamic and varies in shape, size and volume. Measured Tank’s length: 27”, Depth: 10” and Width: 17” approximately.
* Required fuel sensor’s length can be about 10”.
* In order to get the precise fuel value predictive analysis need to implement.

**Requirements:**

* Remote *engine cut-off* and *engine restart* from the dashboard and Apps is required to implement.
* Alarm generation for any kind of electric system tampering by the customer.
* All engines on/off status need to be notified.