

## **PATENT**

Title of the Invention: ***CONVERSION OF MANUAL HAND BRAKE SYSTEM TO AUTOMATIC FOR A LIGHT MOTOR VEHICLE***

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## **Abstract**

The Automatic hand brake system works in three different ways. When ignition key is switched off, the arduino sense the input signal and engages the linear actuator and when ignition key is turned on, arduino disengages the hand brake, when vehicle move backwards (not in reverse gear), the rotary encoder sense the rotation of back wheel and send signal to arduino, thus arduino controls the engagement of hand brake. By using emergency switch the hand brake could be engaged and disengaged

## **MOU**

A memorandum of understanding was signed between VKCET and Kerala Electrical & Allied Engg. Co. Ltd. Kundara, Kollam (A Government of Kerala Undertaking) on 26<sup>th</sup> march 2019 for a period of three year.

