

## **Development of Tracking over Speed System Using IoT Technology for Vehicles**

T.J. Danijal\* and T. Thevathayarajh

*Department of Science and Technology, Uva Wellassa University of Sri Lanka, Badulla*  
*\*Corresponding Author E-mail: jamsdanijal96@gmail.com, TP: +94772950993*

Now, IoT technology is used for many applications. But they are certainly used for agriculture purpose in Sri Lanka. In the modern era, many accidents occur due to over speed. But accidents are controlled with the help of the police force and speed bumps in the past. IoT technology was used in this project to monitor the high speed. First, the velocity of the motorcycle was measured with the help of a Tachometer. When approaching the predefined maximum speed, the warning message was sent to the driver. When crossing the predefined maximum speed, all details including the reading of the Tachometer and location were sent to the mobile number of the motorcyclist and to the web application that was created for the police force at the same time using GPS/GPRS/GSM module. Finally, the output of the complete project shows 90% accuracy and the system showed the expected output with the available components.

**Keywords:** IoT technology; over speed; Tachometer; Gps module; GPRS module; GSM module