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(57) Abstract :

The present invention discloses a system and method to detect real time passenger overloading in multiple vehicles in public transport. The system includes two display devices and suitable sensors to provide a real time counting of the passengers on board at a time. This is achieved with the help of a programmed micro controller which processes the information received from the sensors. This microprocessor along with electronic circuitry is placed in a control box kept in the vehicle at a suitable location. For analyzing the received information at a higher level for multiple vehicles plying on the road, the control box is connected to computer network cloud system and the status in every stop is updated instantly in database using Big Data Analytics technology. The detail of occupancy status with date, time may be retrieved.



Fig 1: Data collection and transmission system

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