

## LIST OF ACRONYMS

ABS	Anti-Brake System
ADC	Analog to Digital Converter
ARAI	Automotive Research Association of India
ANSI	American National Standards Institute
CIRT	Central Institute of Road Transport
EEPROM	Electrically Erasable Programmable Read-Only Memory
FPGA	Field Programmable Gate Array
GSM	Global System for Mobile
GPS	Global Positioning System
GPRS	General Packet Radio Service
GUI	Graphical User Interface
IDE	Integrated Development Environment
IEEE	Institute of Electrical and Electronics Engineers
IoT	Internet of things
IR	Infrared Range
ISM	Industrial, Scientific, and Medical Radio Band
LED	Light Emitting Diode
LCD	Liquid Crystal Display
MISO	Master In Slave Out
MOSI	Master Out Slave IN
NTPRC	National Transportation Planning and Research Center
NCRB	National Crime Records Bureau
PC	Personal Computer
PIN	Personal Identification Number
PCB	Printed Circuit Board
RAM	Random Access Memory
ROM	Read Only Memory
RTA	Road Traffic Accident

RF	Radio Frequency
RFID	Radio Frequency Identification Device
RTL	Register Transfer Logic
SMS	Short Message Service
TTL	Transistor-Transistor Logic
TWI	Two Wire Interfacing
UART	Universal Asynchronous Receiver/Transmitter
VHDL	VHSIC Hardware Description Language
VLSI	Very Large Scale Integration
VSM	Virtual System Modeling
VSPE	Virtual Serial Port Emulator
WLAN	Wireless Local Area Network
WHO	World Health Organization
WPAN	Wireless Personal Area Network
WSN	Wireless Sensor Networks