

## LIST OF ABBREVIATIONS

|          |   |
|----------|---|
| I/O      | Input/output                                      |
| I/P      | Input   |
| O/P      | Output  |
| LHS      | Left hand side                                    |
| RHS      | Right hand side                                   |
| DC       | Direct current                                    |
| ABS      | Anti-lock braking system                          |
| ACE 1104 | R&D Controller Board                              |
| HIL      | Hardware in loop                                  |
| PIL      | Processor in loop                                 |
| SIL      | Software in loop                                  |
| DIN      | German Institute for Standardization              |
| IEC      | International Electro technical Commission        |
| ECU      | Electronic Control unit                           |
| SIAM     | Society of Indian automobile manufacturers        |
| OEM      | Original equipment manufactures                   |
| GPS      | Global positing system                            |
| SUV      | Sports utility vehicle                            |
| PMDC     | Permanent magnet direct current                   |
| MOSFET   | Metal oxide semiconductor field effect transistor |
| ATC      | Automatic transmission system                     |
| ECM      | Engine control module                             |
| ESP      | Electronic stability program                      |
| TPMS.    | Tire pressure monitoring system                   |
| CAN      | Controller area network                           |
| LIN      | Local interconnect network                        |
| MOST     | Media oriented system transport                   |
| RPM      | Rotation per minutes                              |
| MUV      | Multi utility vehicle                             |
| DP       | Driving pully                                     |
| GCL      | Glass clamp                                       |

|          |                             |
|----------|-----------------------------|
| ADC(A/D) | Analog to digital converter |
| DAC(D/A) | Digital to analog converter |
| RTI      | Real time interface         |
| PC       | Personal computer           |
| ACS      | Current sensor              |
| SEN      | Flexi force sensor          |
| FSR      | Force sensing resistor      |
| DTC      | Decision tree classifier    |
| GND      | Ground                      |