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**DECLARATION**

I, **Bijaya Kumar Shrestha**, do here by declare that, this technical seminar entitled **“CONTROLLER AREA NETWORK”** been carried out by me under the guidance of **MR.Vishwanath B R**, Asst. Professor, Dept. of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan in partial fulfillment of requirements for the award of degree, **Bachelor of Engineering in Electronics and Communication** of the Vishvesvaraya Technological University, JnanaSangama, Belagavi- 590018.

I also declare that, to the best of my knowledge and belief, the report is not the part of my any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this by any student.

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**ABSTRACT**

To improve the behavior of the vehicle even further, it was necessary for the different control systems to exchange information. This was usually done by discrete interconnection of the different systems. The requirement for information exchange has then grown to such an extent that a cable network with a length of up to several moles and many connectors was required. This produced throwing problems concerning material cost, production time and reliability. The solution to the problem was the connection of the control systems through a serial bus system.

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**LIST OF ACRONYMS**

|  |  |
| --- | --- |
| ABS | Anti Block System |
| ASC | Acceleration Skid Control |
| CAN | Controller Area Network |
| CRC | Cyclic Redundancy Check |
| DLC | Data Length Code |
| IDE | Identifier Extension |
| NRZ | [Non Return to Zero](http://en.wikipedia.org/wiki/Non-return-to-zero) |
| RTR | Remote Transmission Request |
| SDS | Smart Distributed System |
| SOF | Start of Frame |
| SRR | Substitute Remote Request |

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