

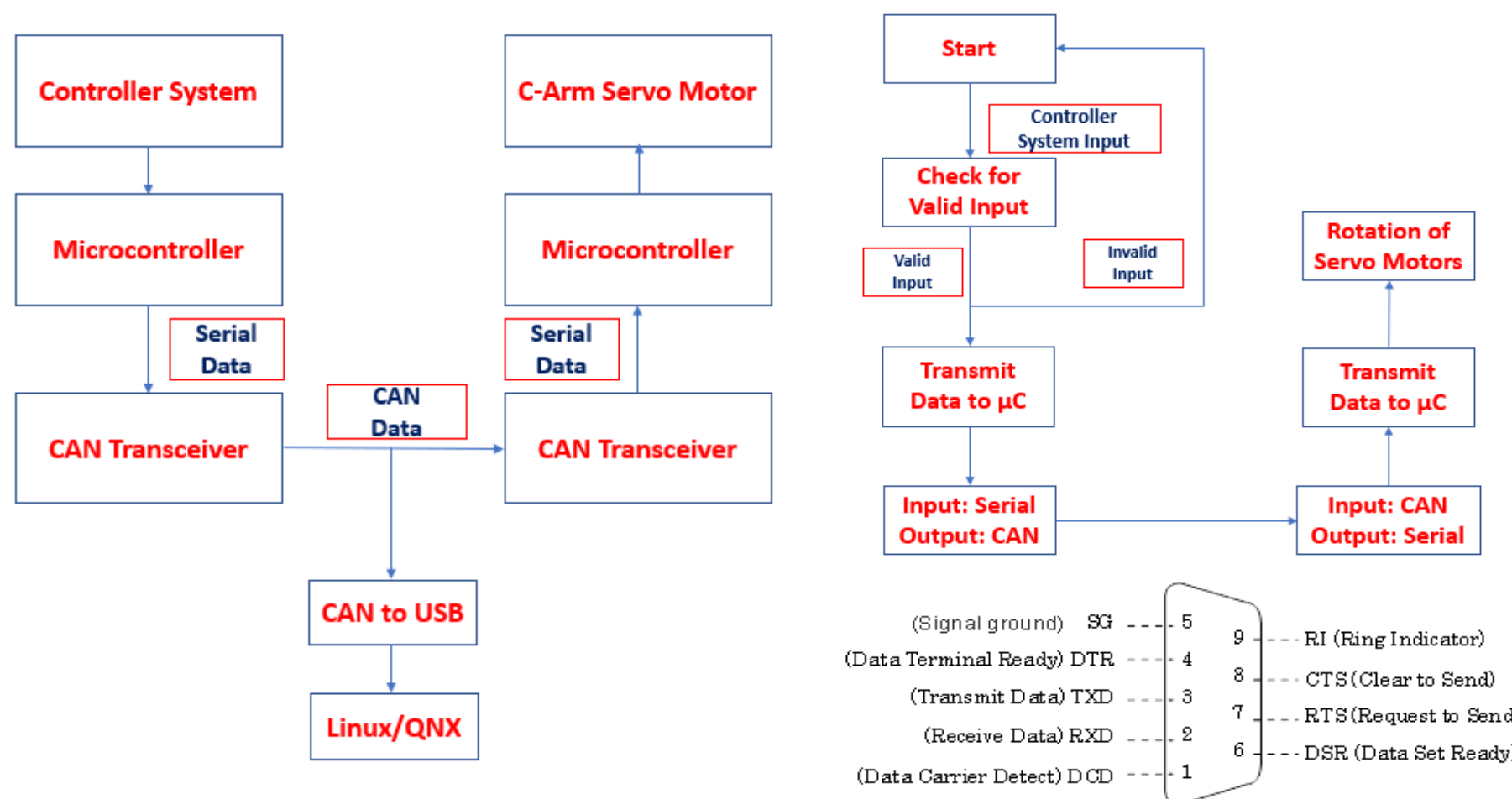
1 OBJECTIVE

To create a data log of the CAN Data bitstream being communicated over the CAN Bus line for future references and error detections.

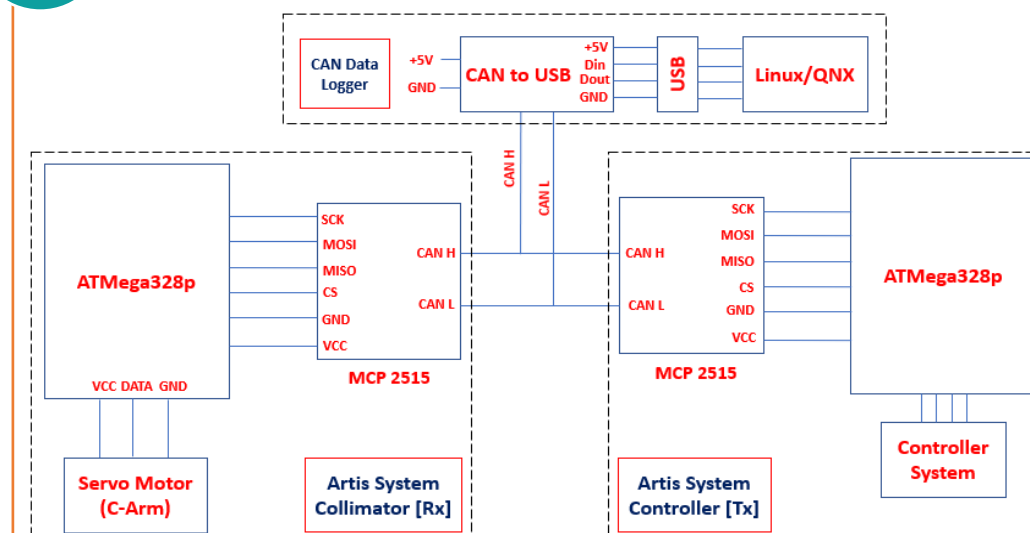
2 ABSTRACT

CAN Data Logger is the minimalistic hardware addition to any CAN Communication system having a 9-pin DB9 Connector (RS232). The data is tapped from in between the comm. line & then data packets in the form of data bitstreams are transmitted serially to a Linux or QNX Operating System which can then be pushed into the SHPL Server.

3 METHODOLOGY

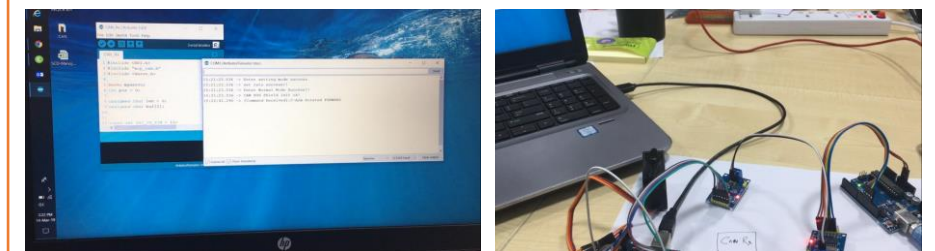


4 BASIC OPERATION



Artis System Replica – CAN Data Logger Configured

5 RESULT & DISCUSSION



Successful Transmission and Reception of data from Artis Controller to Collimator.

6 CONCLUSION

This solution eliminates the need for sophisticated hardware additions to the existing Artis system to pull-out the CAN Data. The CAN to USB Converter handles the lossless data packet reception thereby not losing out on crucial data.

7 REFERENCES

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Embedded On-Board Diagnostics System Using CAN Protocol.

Pallavi R. Burje, Kailash J. Karande, Amol B. Jagadale
International Conference on Communication and Signal Processing, April 3-5, 2014, India