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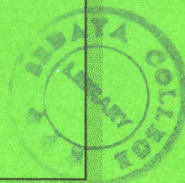
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**FACULTY OF ENGINEERING
AND TECHNOLOGY**

School of Engineering



Course **B.Eng. (Hons) Electrical & Electronics
Engineering**

Title **Microcontroller Based Telemetry Receiver**

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ABSTRACT

This is a project on a telemetry receiver. A microcontroller is incorporated into the project for the sole purpose of introducing the error control coding into the telemetry system. The choice of the transmission medium is copper cable is used as the initial stage on this project. An eight bits of data is sent from the transmitter to the receiver; because of the short distance, noise introduced into the system is negligible. Therefore, an error is introduced at the transmitter itself. Testing of the system is done by giving a codeword with an error in it but at the receiver's side, the received data is a data without the error. Further development of this project will include the upgrade of the transmission medium to fiber optic or radio link system, using a battery powered system instead of from a power supply unit and develop a real time data logger.