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CONVEYOR AUTOMATION USING EMBEDDED SYSTEM

ABSTRACT

In contrast to a desktop PC that performs a variety of tasks, a microcontroller performs a single, well-defined task. An embedded system has a microprocessor, associated peripherals and software intended for a specific purpose. The hardware is generally built for the system's specific purpose.

The project is designed of a remote area and logs the information at a base station using wireless technology. The hardware connected with AT89C51 microcontroller collects the sensor's data. The micro-controller will sense the object, whether the belt is with the motor or not. Monitors the temperature and voltage, the data are transmitted to the base station. At the receiver end, another micro-controller receives and buffers the incoming data and them it is displayed in the PC.

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