

Visvesvaraya Technological University, Belgaum.



Project Report

On

“HUMAN MACHINE INTERFACE”

Submitted in partial fulfillment of the requirements for the award of the Degree of

Bachelor of Engineering

In

ELECTRONICS & COMMUNICATION

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ABSTRACT

In today's manufacturing processes increasing demands for larger product variation, supply chain collaboration and bottom-line improvements mean that more information is being required by the operator to handle increasingly complex tasks.

With industrial automation following generic trends in information technology, Human Machine Interface (HMI) solutions with more powerful information processing and display capabilities are becoming available on the factory floor. These HMIs are designed primarily to interact with the operator, but are being used increasingly as information-processing devices with enhanced communication capabilities to support manufacturing-related decision processes.

The main aim is to design an Embedded Control which provides HMI for "Automation of Cutter" with accurate dimensions. This is used for applications requiring accurate width of the cut pieces of given material. The user can set the required quantity and width from the keypad (HMI).