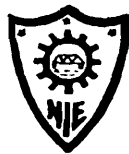


Sorting Station using AVR Microcontroller

**A PROJECT REPORT SUBMITTED TO
THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE
(An Autonomous College)**



**In partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING**

**In
COMPUTER SCIENCE & ENGINEERING**

**Submitted by
Syed Shahbaaz Safir
(4NI08CS083)**

**Under the Guidance of
Mr. K.N. Krishna Bharadwaj
Lecturer
Department of CS & E**

**Department of Computer Science & Engineering
The National Institute of Engineering
(An Autonomous College)
Mysore- 570008
2011-12**

ABSTRACT

The main objective of the Sorting Station is to differentiate between objects based on properties such as colour, shape etc. In order to achieve this, an AVR microcontroller is used to perform the necessary conversion from analog to digital values, decision making and interfacing with other hardware components. The AVR microcontroller will reside on an Arduino circuit board that allows the programmer to perform the mentioned interfacing.

The project concentrates mainly on Embedded systems, Microcontrollers and Hardware Interfacing.