

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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**G M INSTITUTE OF TECHNOLOGY
DAVANGERE-577006, KARNATAKA**



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
FINAL YEAR B.E (2009-2010)**

**PROJECT REPORT ON
“I-SERIES BLOOD BANK REFRIGERATOR”
(Sponsored by Karnataka state council for science and Technology)**

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ABSTRACT

This project is mainly focused on designing an intelligent refrigerator which finds out the stock of the material present in it and then automatically places order for the nearest online shop via GSM, if the stock is below threshold. This system uses few sensors that monitor the stock level of the items in the fridge.

It employs sensors below each item in the fridge and if any item is removed the Processor comes to know about that and checks that with the threshold level and if it is below the threshold level then it immediately places order to the supermarket through the GSM that is connected to the 89S52 microcontroller through the RS232 (Recommended Standard 232) interface. This unit is also having LCD (Liquid Crystal Display) unit for user interface.