

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELGAUM.



B.L.D.E. Association's  
VACHANA PITAMAHA Dr P.G.HALAKATTI COLLEGE OF ENGINEERING &  
TECHNOLOGY,  
BIJAPUR – 586 103.



DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING.

(Accredited by NBA, New Delhi)

A PROJECT REPORT ON  
**“AUTOMATIC BED FOR  
IMMOVABLE PATIENT”**

BACHELOR OF ENGINEERING  
VIII Semester (2008-2009)

Under the Guidance of  
**Prof. AMBANNA JAMADAR**

:Submitted by:

MRITUNJAY KUMAR

2BL05EC037

SAIKAT DAS

2BL05EC060

SAJJAN KUMAR

2BL05EC061

WASHIM AHMED

2BL05EC090

2008-09

## **ABSTRACT**

Microcontroller based patient care monitoring system is used to help the patients who can't move because of injury in spinal cord, paralytic patients and other certain severe conditions. In this we have designed one bed which has different options like movement of backrest, switch controlling of light/fan, heartbeat monitoring, and body temperature to consult doctor continuously. All this controlling is done by microcontroller.

It can be very much useful keeping into considerations of comfort & privacy of their own home. Sometimes patient is kept in home to provide better service and also to take care of the patient, but if the patients health suddenly fails then his / her breathing / heart beats changes rapidly. So, to give proper medicine at that time, our gadget directly sends all details to doctor's number for reference purpose.

Each patient needs attainer and a doctor for regular check up so the hospital should have sufficient staff members which cannot be possible in normal hospitals. This bed helps patient to analyze himself and sends his details to the concerned doctor through GSM modem, this will help in saving of time and persons required.