

PATIENT MONITORING SYSTEM USING GSM MODULE

*A project report submitted in partial fulfilment of the requirements for
the award of the Degree of*

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

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CERTIFICATE

This is to certify that the project entitled "PATIENT MONITORING SYSTEM USING GSM MODULE" in partial fulfilment for the of degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafied work carried out by M.SREE HARSHITHA (15811A0544), P.MOUNIKA (15811A0554), N.SAI GOPI KRISHNA REDDY (15811A0550), R.LALITH SAGAR (15811A0562), under the guidance and supervision during 2018-2019.

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PROJECT GUIDE

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ABSTRACT

In this busy and competitive world, though we have lot of affection on our parents, grandparents or patients we cannot always stay with us when they are suffering from illness or diseases. But the advancements in current technologies are giving good solutions for such problems. With these solutions we can monitor patient's health conditions through mobile or PC from anywhere in the world using internet connection.

Now a day's so many useful technologies are coming out to make our life style more comfort, luxurious and secure. Especially internet technology brings up many applications and advantages for present and future generations. Present world mostly is being controlled by internet. Previously internet is limited to only computers but because of the advancement in technology especially in mobile communication, now internet is completely being accessed by latest phones like Smart phones.

In this project we will create an application to monitor the patient's health condition like monitoring temperature and heart beat from webpage. Whenever we open this application it gives the current status of patient's health. At patient side we have Ethernet module, micro controller, temperature sensor and heart beat sensor. This micro controller will keep updating patient's body temperature and heartbeat on webpage. We can check these value from anywhere on our Smart phones by opening this webpage from phone itself. The communication between internet and micro controller is established using GSM module and the controller is used in this project is ARDUINO based Atmega328.