

Dadi Institute of Engineering & Technology



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Health Care System for Home Quarantine People Using Raspberry Pi, GSM and IOT Technology

¹Giridhar Babu²Sheik Shabeena, ³Karri Jayasri, ³Lanka VenkataSaiTejaswini,

³Ane Lokesh, ³Kobbari Rajesh,

¹Associate Professor NSRIT

²Assistant Professor, Dadi Institute of Engineering & Technology, Anakapalle

³Student, Dadi Institute of Engineering & Technology, Anakapalle

Jayasrichinna12@gmail.com

ABSTRACT: In this pandemic COVID-19 crisis, It is not advised to monitor the patient keeping aside all the time for Regular/Basic check-ups. So, a system is proposed to continuously monitor the health condition of the home quarantined as well as the persons who are in remote places using IOT. This system monitors the health parameters continuously such as Pulse Rate, SpO2 Level and Body Temperature by using biosensors. The received values will be transmitted to the nearby medical centre or Guardians using wireless technology which displays their condition. If any of the health parameters exceeds their normal level then the buzzer at receiver section will respond with SOS signal and the preventive action will be taken by respective authorities. The above-proposed health monitoring system will be designed using Raspberry pi. GSM and IOT technology.