

Abstract

In this project we are implementing an electronic device which will help our soldiers those who are in hilly areas basically in snowy regions. During very low temperature conditions, soldiers working in snowy areas have to face lot of difficulties there are lot of chances of getting stuck because of severe cold in atmosphere and also they can't walk through snow .In order to overcome this drastic situation we are implementing this device. In this device, we are integrating a peltier module which will heat the body of the soldiers if their body temperature becomes very low after providing sufficient heat it will become off. In order to make this module to work we are using temperature sensor LM35 which is integrated with the microcontroller, so microcontroller will read the temperature sensor values according to that values it will turn on the peltier module which will provide heat to soldiers. Along with this we are also using accelerometer sensor in order to monitor soldiers movement if they got stuck somewhere and they are unable to move then message will be sent to the control room using a smartphone.