

# Dadi Institute of Engineering & Technology



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## **Proceedings of Two Day Online National Conference on Internet of Things : Design & Applications**

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## Sensor Based Frisking

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**Abstract :** The aim the proposed method "Sensor Based Frisking" is to ensure a contactless human body temperature measurement along with detecting objects like mobile phones, Bluetooth devices or headsets. In this project along with detection, an alert or email notification is also sent to higher authorities to take appropriate actions. For detection of human body MAX30205 temperature sensor can be used. Data from the sensor is segregated by the wi-fi module which transmits the data to cloud. An alert message or email is sent to the higher authorities if detected values are exceeding Threshold. Second module of this work includes walk through metal Detectors. The walk-through metal detectors create large magnetic fields that cover all of the space inside the rectangular arch of the metal detector. If a person walks through the metal detector and sets off the alarm, higher authority is informed that this person could potentially be hiding an unauthorized thing along with him. In case of students, along with student details the information will be conveyed to examination which helps in isolation of candidate or prior identification of malpractices during exams

**Keywords:** Metal Detectors, MAX30205.