

# SMART DOOR LOCKING AND HOME SECURITY USING IOT

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

**BACHELOR OF TECHNOLOGY**

In

**COMPUTER SCIENCE AND ENGINEERING**

Submitted by:

P.SAI NEELIMA YADAV  
Regd. No.15811A0551

P.GANESH  
Regd.No.15811A0553

V.GAYATHRI  
Regd.No.15811A0573

Y.M.GUNA SEKHAR  
Redg.No.15811A0572

Under the guidance of

**MR.V.S.RAMPRASAD M.TECH**

*Assistant professor*

*Department of Computer Science and Engineering*



**AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE, New Delhi & Permanently affiliated to JNTU Kakinada)

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MAKAVARAPALEM, NARSIPATNAM,

VISAKHAPATNAM DIST

(2015-2019)

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MAKAVARAPALEM, NARSIPATNAM,  
VISAKHAPATNAM-531113



## **CERTIFICATE**

This is to certify that the project entitled "SMART DOOR LOCKING AND HOME SECURITY USING IOT" in partial fulfillment 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 P.SAI NEELIMA YADAV (15811A0551), P.GANESH (15811A0553), V.GAYATHRI (15811A0573), Y.M.GUNA SEKHAR (15811A0572) under the guidance and supervision during 2018-2019.

*V. Sripad*  
Project Guide

*G. Satyanarayana*  
Head of the Department

*[Signature]*  
External Examiner



## ABSTRACT

In today's world, home security is a key concern. Keeping in mind the high level of security a home security device must provide a security system is proposed in this paper. The proposed system lets the user control his door lock either via Bluetooth or a message over the internet. The proposed security functions allow the user to keep a track of who visited his home and when along with controlling the cases of possible intrusion. Since Internet of Things has been the dominant technology in the field of security products, considering its usefulness, we have designed the system based on this technology. It lowers the human effort and provides security to people from unwanted intrusions or break-ins through the door locks.

The camera in the proposed system helps to upload the clicked photos on the cloud for either mailing them or messaging as per the situation. This system has been designed overcoming the disadvantages of existing systems and providing the security over the internet. It is a low-cost system which works on motion detectors and the ringing of the bell to categorize the person as an intruder or visitor. Thus, once implemented, the system will prove to be much useful and more efficient compared to existing cost ineffective systems.