SAPTHAGIRI COLLEGE OF ENGINEERING

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Department of Computer Science and Engineering
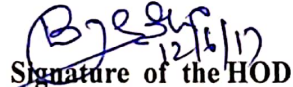
Certificate

Certified that the project work entitled "**Automated Vigilance System using Raspberry Pi**"carried out by **SHALINI V(1SG13CS129), RANJITHA C(1SG10CS062), SHRISTI KESHRI(1SG13CS135),** bonafide students of **this institute**, in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during the academic year **2016-17.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project progress report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**
Mr. CHETHAN M	**Dr. Prashanth C.M**	**Dr.AswathaKumar M**
Asst Professor	Professor & Head	Principal

Name of the Examiners   **Signature with date**

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Abstract

Security is one of the major concerns in almost every field of life. Threats to life and property are ever increasing. Detecting the intrusion in time and taking appropriate action would reduce the security risks. Also a presence of ever vigilant eye can act as a deterrent to the intruders.

The proposed project intends to create an automated vigilance system that provides security to homes and institutions. Using a motion detection sensor, possible intrusions are detected, images are captured using a camera, and an alert notification along with the captured images is sent to the owner or concerned authority through email.

This project uses Raspberry Pi technology, a motion detection sensor, and a camera which is designed to capture images when a motion is detected. Using the built-in Wi-Fi of Raspberry Pi, the automated vigilance System is always connected to the Internet. Whenever an intruder enters the house, a notification will be sent in the form of an image to the owner's email. This system can also be used to automatize the security in financial institutions like banks.