

**e-Abstracts: A.Y. 2016-17**  
Department of Information Technology  
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<b>Sr. No.</b>	<b>Domain</b>	<b>Project Title</b>	<b>Team Members</b>	<b>Collaborator/In House</b>
<b>1</b>	Internet Things of	WEATHER STATION FOR CROP MONITORING SYSTEM	<b>Suraj Dagadu Doiphode</b> <b>Omkar Navnath Markad</b> <b>Abhishek Dilip Chitre</b> <b>Nikhil Suryakant Salve</b>	<b>In House</b>
<b>2</b>	Mobile Computing	INTELLIGENT LAPTOP SECURITY WITH FACE DETECTION	Snehankita R.Nawale Dhananjay D.Sonawane Atul S.Mane Harsha M.Patil	<b>In House</b>

**1. TITLE OF PROJECT:**

**WEATHER STATION FOR CROP MONITORING SYSTEM**

**Abstract**

Weather Station Monitoring System plays an important role in human life, so the collection of information about the temporal dynamics of weather changes is very important. In any industry during certain hazards it is very important to monitor weather. The fundamental aim of this work is to develop an embedded system to design a Weather Monitoring System which enables the monitoring of weather parameters in an industry. Such a system contains pair of sensors like temperature, Gas, Rainfall and Humidity will be monitored the weather situations. Crop Monitoring System is seen as one of the most important tasks in any farming or agriculture based environment. With the inception of Ambient Intelligent systems, there has been a rise in ambient intelligent based devices Smart Homes and other similar technologies involving RFID has evolved over the past few years.

Integration of such an ambient intelligent system with crop monitoring makes farming easier. This work has to do the implementation of a smart crop monitoring system which makes use of the concept ambient intelligence with the use of smart Gadgeteer which proactively handles the plant monitoring system. The given circuitry detects changes in the moisture, temperature and light conditions in and around the crop, and performs a machine based certain on the crop by providing necessary irrigation and illumination for the crops.

**keyword:**     *IoT,RFID,       Raspberry       Pi       2       Model       B       .*

**2. TITLE OF PROJECT:**

**INTELLIGENT LAPTOP SECURITY WITH FACE DETECTION**

**Abstract**

The new generation is now full of smart people using smart technology. Smart devices make life of a person easy and updated. There are hundreds of goods available today that allow us have power over the devices without human intervention, either by remote control; or even by voice command. So in "Smart Lock" a mobile device is used for smart lock system.

The proposed system describes improvement of a security system that is integrated with an Android mobile phone device using internet of things as a wireless connection protocol. Mobile computing is transforming information technology and the student learning environment in higher education.

It has been the most prevalent technology in the past few years and many prominent enterprises have prompted their mobile systems, preparing for the coming age of mobile computing. This system predicts that the mobile area will take on a boom with the advent of this new concept. While due to the inherent characteristics of mobile environment, challenges like mobility, heterogeneity and low band-width will hinder the advancement of this incorporation. A smartphone is a mobile phone with an advanced mobile operating system which combines features of a personal computer operating system with other features useful for mobile or handheld use.

**keywords:** *Mobile operating system, Bluetooth, Histogram, OpenCV*