A One day Workshop on

.

"IoT applications using ESP 8266 modules"

Held at SKN SINHGAD College of Engineering, Korti, Pandharpur on 19th August, 2017

Staff Coordinator:	Mrs. A. C. Pise
Dates:	19/08/2017
Venue:	Computer Lab E&TC Dept.
Class:	TE, BE, ME
No. of Participants (Staff):	13
No. of Participants (Students):	49
Organizer:	IETE ISF

A one day workshop is arranged on **"IoT applications using ESP 8266 modules",** scheduled on 19/08/ 2017, Time-9:00 am-5:30 pm. Prof. Ravikant Khamitkar, who is working as an assistant professor in NBN College of Engineering was the resource person for the workshop. His current research interest includes Advanced Electronics, Microcontroller, PIC, ARM, Raspberry Pi. He has delivered significant number of workshops in this and related areas.

In last semester sir has taken a workshop on Raspberry Pi with Python. In continuation with this, this workshop is arranged. He focused on IoT, ESP 8266 module and its various applications. The *Internet of Things* (IoT) is the network of everyday objects — physical things embedded with electronics, software, sensors, and connectivity enabling data exchange. Basically, a little networked computer is attached to a thing, allowing information exchange to and from that thing. Be it lightbulbs, toasters, refrigerators, flower pots, watches, fans, planes, trains, automobiles, or anything else around you, a little networked computer can be combined with it to accept input (esp. object control) or to gather and generate informational output (typically object status or other sensory data). This means computers will be permeating everything around us — ubiquitous embedded computing devices, uniquely identifiable, interconnected across the Internet. Because of low-cost, networkable micro-controller modules, the Internet of Things is really starting to take off.

ESP8266 (presently ESP8266EX) is a chip with which manufacturers are making wirelessly networkable micro-controller modules. ESP8266-based modules have demonstrated themselves as a capable, low-cost, networkable foundation for facilitating end-point IoT developments.

He elaborated on various IoT applications using ESP 8266 module as in education, in home automation, in commercial products and many more.

The student representative Ms. Janhavi Pujari proposed vote of thanks.