



# SKN SINHAGAD COLLEGE OF ENGINEERING

## E&TC Engineering Department

OCTOBER 2013

ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT ORGANIZED TECHNICAL ACTIVITIES .STUDENTS PARTICIPATED IN THE ACTIVITIES WITH FULL SPIRIT. "VIRTUAL CAMPUS AND QUIZ COMPETITION", "GUEST LECTURE ON PLC", "GUEST LECTURE ON PIC MICROCONTROLLER", "TEACHERS DAY CELEBRATION", WERE CONDUCTED IN DEPARTMENT

### INSIDE THIS ISSUE:

Guest Lecture on PLC	2
Teachers Day Celebration	2
ETELSA Inauguration	3
A Guest Lecture on "MATLAB & Simulink in Signal Processing"	3
HOD's Desk	4
Guest Lecture on PIC Microcontrol-	4

# TECHNICAL EVENT: VIRTUAL CAMPUS & QUIZ COMPETITION

Industry Interaction should continue to remain the sole responsibility of the Institution. In other words each Institution will continue to be responsible and accountable for the Placement of its students, for which they will perform all activities including liaison with Corporate and Companies, Accreditation of their Institutions with Corporate and Companies, etc. Placement is the sole responsibility of Students. The Training and Placement cell (TnP) and various other Faculty members only facilitate and provide the guidance to the students.

So, the event "Virtual Campus" was organized by ETELSA under the department of Electronics and Telecommunication Engineering on 31 August 2013. The event starts with Aptitude test, shortlisted students from which appeared for the Group Discussion. The qualified students from the group discussion then face the technical and Personal Interviews.



**Inauguration function-Hon. Chief Guest of the Program Dr. Godbole, Principal- Dr. K. J. Karande, Head of Dept.- Prof. A. B. Jagadale, ETELSA Co-ordinator Prof. A. O. Mulani.**



**Technical Interview under Virtual Campus**  
There was huge response for this event

where almost 450 students from different colleges took part in the event. On the special request of second year engineering students, one more additional event i.e. Quiz competition is also organized on this day.

The Interviewers for the event were from various Multinational Companies, who gave suggestions and remarks to the candidates for their improvement. Their presence for the event throughout the day really helped the students to prepare for placement in actual.

At the end of day, prize distribution ceremony took place in the presence of Hon. Principal, Head of Department, All judges, teaching and Non-teaching staff members. The efforts taken by all including teaching, non-teaching staff members, ETELSA and other student coordinators were appreciated by the Hon. Principal and training and placement Officer. Mr. Rajesh Patil from BE (E&TC) expressed vote of thanks.

## Guest Lecture on “PLC”

VOLUME 1, ISSUE 1



With full enthusiasm the event “Guest Lecture on PLC” was organized by ETELSA under the department of Electronics and Telecommunication Engineering on 21 July 2013.

Mr. Vijay Surwanshi, a resource person from an Industry delivered a lecture on Programmable Logic Devices. Initially industries used relays to control the manufacturing processes. The relay control panels had to be regularly replaced; consumed lot of power and it was difficult to figure out the problems associated with it.

To sort these issues Programmable logic controller (PLC) was introduced. The program is written on a computer and is downloaded to the PLC via cable. These loaded programs are stored in non – volatile memory of the PLC. During the transition of relay control panels to PLC, the hard wired relay logic was exchanged for the program fed by the user.

A visual programming language known as the Ladder Logic was created to program the PLC.

The lecture is conclude with the vote of thanks by Ms. Sneha Mule.



## Teachers Day Celebration



Teachers day is celebrated by the department under ETELSA on 05<sup>th</sup> September 2013 under ETELSA, with Hon. Principal Dr. K. J. Karande, HOD Prof. A. B. Jagadale, Prof. A. O. Mulani, and all teaching and nonteaching staff of the department.



ETELSA Committee-2013-14 Announcement

## ETELSA Inauguration and Committee 2013-14 Announcement

On the occasion of Virtual Campus and Quiz Competition held on 31 August 2013, ETELSA Committee-2013-14 Announcement is done in presence of HOD Prof. A. B. Jagadale, ETELSA Coordinator Prof. A. O. Mulani, Event Judges and all faculty members.

### A Guest Lecture on “MATLAB & Simulink in Signal Processing”

Ms. Kirti Thakur is a research scholar at COE, Pune. She delivered the lecture on “**MATLAB & Simulink in Signal Processing**” on **16/08/2013** (Friday). The students of SE (E&TC) attended the lecture with full interest and eagerness. The session provides an introduction to MATLAB/SIMULINK and its applications to the solution of problems that arise in the analysis and design of feedback and communication systems. Embedded Control Systems are now integral parts of many application systems in the areas of Aerospace, Communication, Automobiles, etc. As a result, scientists and engineers are looking for easy and reliable techniques to design, develop, test and verify these systems. With model based design and development becoming a trend, industries use design and simulation tool sets like MATLAB and Mathematica. In the post lunch session, she took hands on/practical session on MATLAB SIMULINK. She also explains the use of SIMULINK by taking some of the examples like a model that integrates a sine wave signal to

a cosine signal and then displays the result, along with the original signal, in a Scope window and the model file which shows a house heating system that includes a heater (plant), thermostat (controller), and room (environment).

MATLAB Simulink (SL) is software for modeling, simulating and analyzing dynamic systems. The students of Second year engineering enjoyed the session very much and the lecture concluded with vote of thanks given by Ms. Mansi Telang.



## “HOD’s Desk”

Solar Photo-voltaic made Energy Revolution: In most of the seasons Solapur region is observed sunny and dry. This can be taken as an opportunity for generation of electricity using solar photo-voltaic module. The solar energy



density in our region is 2.4Kwatt/sq M. With advanced PV technology this can be converted in to electricity.

The state government is providing financial assistance in the same. Many companies in private sector are erecting solar PV plants in solapur district. This will lead to growing economy, jobs creation and generation of renewable energy. Engineers in solapur district must me causes towards this revolution.

## Guest Lecture on “PIC Microcontroller”

Department of E&TC have been organized workshop on PIC Microcontroller on 21st September 2013 under ETELSA. The inauguration is done by Dr. Ladgaonkar and in presence of Principal Dr. K. J. Karande. Prof. A.B. Jagadale, HOD E&TC introduced the speaker and briefed about the workshop.

PIC is a family of microcontrollers made by Microchip Technology derived from the PIC1650 originally developed by General Instrument's Microelectronics Division. The name PIC initially referred to Peripheral Interface Controller. The first parts of the family were available in 1976; by 2013 the company had shipped more than twelve billion individual parts, used in a wide variety of embedded systems.

The function was concluded by vote of thanks by Ms. Pooja Joshi.

## “Technical Event Prize Distribution”



Winners

Runners

