



SKN SINHAGAD COLLEGE OF ENGINEERING

E&TC Engineering Department

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ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT ORGANIZED TECHNICAL ACTIVITIES STUDENTS PARTICIPATED IN THE ACTIVITIES WITH FULL SPIRIT.

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Invited talk on “Embedded Systems”

The talk on “**Embedded Systems**” was arranged on **29.07.2017** under the banner of ETELSA and R&D. The resource person for the same was **Mrs. Neelima Iyer** who is currently working as Head, Instrumentation department at National Chemical Laboratories, Pune. She started the



lecture with what is embedded system? Why to use embedded systems and some examples of Embedded systems in our daily use. She continued with microprocessor Z80 and its specifications, Controller 8051, IO and memory mapping. Students from SSGMCOE along with madam showed various boards and projects done by them.

Our Pride

Department of E&TC of SKNSCOE always took efforts for the placement of the students in reputed organizations. Prof. S. S. Patil, TPO coordinator, always takes rigorous follow up of students, their preparation and involvement in various placement activities. This year we have placed 37 students from E&TC Department.



Rani Jadhav
SIEMENS, 2.64 LPA



Pragati Patil
SIEMENS, 2.64 LPA



Snehal Pujari
SIEMENS, 2.64 LPA

Seminar on “Introduction to Automotive Protocols”



A seminar on “**Introduction to Automotive Protocols**”, was organized under IETE on **11th September, 2017**. Mr. Santosh L. Kulangi, is working as a System Engineer in Knorr Bremse Technology Center India, Pune from Nov 2015 and has almost 7 years of Industrial Experience, is a keynote speaker of the program. He briefed about the use of networks for communications between the Electronic Control Unit (ECU) of a vehicle. The specific requirement of different car domains have led the development of the large number of automotive networks such as LIN, J1850, CAN, FlexRay, MOST etc. He briefed in detail about the automotive network LIN. And finally he highlighted future trends in the development of automotive communication system. Ms. Shivani Dhepe, Member of ISF expressed her views about the program.

One day workshop on “IoT applications using ESP 8266 modules”



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. In continuation with the last

semester workshop on Raspberry Pi with Python, this application oriented workshop is arranged. He focused on IoT, ESP 8266 module and its various applications. He elaborated on various IoT applications using ESP 8266 module as in education, in home automation, in commercial products and many more.

Webinar on “RTL Design and Functional Verification”

by **Maven Silicon VLSI Training Center, Karnataka**

With full enthusiasm a webinar is organized under the banner of IETE Student Forum, SKN Sinhgad College of Engineering, Korti, Pandharpur on **11th Oct., 2017**. The goal of the webinar was to educate young engineers on the latest skill set requirement of the semiconductor industry and provides them the knowledge of massive growth of industry which is leading to huge demand of qualified and skilled verification and design engineers.



Techno Societal Activity Component Identification and Soldering Techniques

A Five Days Workshop on “Component Identification and Soldering Techniques”, was organized under IETE Student Forum by Sinhgad College of Engineering, Korti, Pandharpur in **August and September, 2017**. The function was presided over by Prof. A. C. Pise. The workshop is organized for the students of 9th and 10th class in an Anath Ashram named “Navrange Balakashram”, coordinated by Ms. Rutuja Malwadkar. The purpose of the workshop is that, these students will get the knowledge of electronic components and soldering techniques, and will have a strong base for getting job in electronic companies.



“Quiz and Debate Competition”



With the aim and objective of providing a platform for the college students to display their talents, the E&TC Engg. Department

under the banner of ETELSA, organized a day long competitions for the students of the SE, TE and BE on Saturday i.e. **09.09.2017**. The students from all branches (almost 100 students) took the benefit of event. Special enthusiasm was shown by the second year engineering students. In the valedictory function Dr. Badge and Prof. Patmase gave more guidelines to the students to improve their performance in future.

Expert Lecture on “Arduino Programming”



On **25.07.2017** under the banner of ETELSA, an expert lecture has been arranged by Prof. Sachin Karmuse.

Session was started by with basics of Arduino. He explained about the Wolfram Model Plug library that allows us to link the simulation models to the real world by the use of an Arduino board. The Model Plug opens up a wide variety of ways to interact with the models, for example by using buttons, switches, input sensor information or even actuators such as motors and servos.

Guest Lecture on “Data Structure”



On the occasion of Engineers Day, a guest lecture by Prof. R. A. Jamadar, Assistant Professor, IT Dept of AISSMs IoIT, Pune is organized under the banner of IETE Student Forum, on **15th September, 2017**. The function was started with felicitation of the expert. He caught the students attention on some programming languages used in IT Industries like SCALA, HADOOP etc.

Opportunities in Telecom Industries



Our Alumini Mr. Abhilash Pimpalnerkar, Technical Support Engineer, Blancco Diagnostics, Pune, delivered a lecture on **15/09/2017**.

One Day Workshop on “Graphical User Interface Design Using MATLAB”



The workshop is conducted by Innovation Club and Incubation cell at department of E&TC for ME students on **10 Sept. 2017**.

Our Alumini Ms. Bhivare Pallavi introduced the student basics of Matlab software. She explained objects of GUI and invoking of object parameters. Various small design are being created using button, editor box, Text, axis. The Various parameter for configuration of object are explained. The GUI was designed to do basic operation on image. The GUI have been developed for transmitting and receiving character. The Communication has been done between microcontroller card PC using MATLAB.

One Day Workshop on “Making LED Emergency Light system”



Workshop for school children of Sinhgad Public School, Korti, on **11/06/2017**

Guest lecture on “Competitive Exam Preparations”

To fulfil the thirst of Competitive Examinations preparations, a guest lecture was arranged by E&TC dept. under the banner of ETELSA. The resource person for the same was Mr. Sanjay Lokhande who is presently working as Income tax officer at Pandharpur.



He gave the details of options for students through competitive examinations i.e. Revenue section, Income tax, Police department etc. He also gave the details about books to be used for preparation and guidance for qualifying the examination.

Guest Lecture on “Cortex Technologies and its Applications”



Arranged on **04.08.2017**. Students got the overview of various Cortex technologies.

One Day Workshop on “Design of voltage Stabilizer”



The workshop is conducted by Innovation Club and Incubation cell at dept. of E&TC on **22/09/2017** by Prof. Jagadale and Prof. Linge for IInd & IIIrd year diploma students of New Satara Polytechnique, Korti. In the first session Prof. Jagadale introduced the need of voltage stabilizers and various types of stabilizers. He explained difference between domestic and industrial voltage stabilization is explained. This is followed by design procedure of relay based domestic stabilizer. In second session Prof. Linge made them aware of project models of different stabilizers. The participants are explained with relay based stabilizer, stabilizer with microcontroller control card, Regenerative and degenerative stabilizer, single phase servo stabilizer, control for three phase servo stabilizer.