

ISTE approved one week STTP on “**Design Aspects in CMOS Analog Circuits, ASIC and MEMS**”

27th June to 1st July 2016

Department of Electronics Engineering organized an ISTE approved one week STTP on “**Design Aspects in CMOS Analog Circuits, ASIC and MEMS**” from 27th June to 1st July 2016. Dr. B. Satyanarayana from TIFR delivered the keynote address on “Frontiers of VLSI Technologies”. Many resource persons from premier research institutes conducted the sessions of the training program. Dr. Jayanta Mukharjee (IITB), Dr. S. S. Rathod (SPIT), Dr. Sangeeta M. Joshi (VIT), Dr. Saurabh Lodha (IITB), Dr. D. V. Bhoir (FRCRCE), Dr. Nisha Sarwade, Dr. Sudhakar Mande (DBIT) were a few to name. The sessions were supported by resource persons from industries who threw light on the industrial practices in this upcoming field of engineering. There were more than 50 participants for the course. A visit to Nanofabrication Lab, IITB was organized as a part of this STTP. We learnt through the feedback that the participants gained immense knowledge on CMOS analog design, fabrication of MEMS, nanodevices, memristor and ASIC design through this STTP.



Event No.:1

Event Name: How to Enhance your Technical Presentation Skills.

Date: 23th July, 2016.

Event Speaker: Dr. Uma Rao [H.O.D of Electronics Department and Electronics And Telecommunication Department, SAKEC].

On 23rd July, 2016, ISTE SAKEC conducted a workshop on “How to Enhance your Technical Presentation Skills” in collaboration with the Electronics department on 4th floor MMS auditorium for the students of SAKEC. We aimed to help the students to learn how to create a proper Technical Paper Presentation. The students were taught basic rules for TPP like not to make any grammatical errors, avoidance of busy slides, not to copy and paste the content from google or any other sites, permission before taking someone else’s information, making an extra PPT for back up, etc. They were explained the do’s and don’ts of TPP. They were taught how to read and create a proper Technical Paper Presentation. The queries of the students were also answered. It was an interactive session between the speaker and the students.

The workshop was concluded with a small token of appreciation as a memento to our speaker.

Event no.: 4

Event name: Introduction to C & Java

Speakers: Arjun Mudhaliyar, Shubham Vora, Kedar Sambhus

Date: 21st January 2017

A workshop on “**Introduction to C & Java**” was organized by ISTE SAKEC on 21st January for the first year engineering students. The workshop was conducted in Lab 209 from 10a.m. to 1p.m. The event was specifically organized for the FE students. The Computer Department faculty was also present during the event. ISTE SAKEC Council members, Arjun Mudhaliyar, Shubham Vora and Kedar Sambhus were the speakers for the event.

The aim of the event was to strengthen the programming foundations of FE students. The commencement of workshop got delayed by 10 minutes from the scheduled time due to the delay of Lab setup. The workshop commenced at 10:10a.m with Arjun Mudhaliyar taking the introduction. He explained the meaning of a programming language, different types of languages viz. High level and low level languages, and also explained how a computer communicates. All the explanation was done using a PowerPoint presentation. This introductory session was interactive and took 40 minutes the last 5 minutes of which was for doubt solving. The ISTE SAKEC general secretary Shubham Vora continued the workshop after Arjun. He introduced the format of a C program, data types and the uses of various predefined functions in C language. This was explained using a simple ‘addition of 2 nos’ program written in notepad. Shubham took 25 minutes for his part. Kedar Sambhus took charge of the dais. With the help of PowerPoint presentation he explained different operators in C and their uses and also the control structures used in a programming language viz. ‘if’ statement, ‘if-else’ statement, nested ‘if-else’, ‘else-if’ ladder, switch-case-default, for-while-do while loops. This session was interactive and took 30 minutes. Shubham returned to the dais to continue through. With the help of PowerPoint presentation he explained the basics of functions in C, arrays, structures and pointers. A demo program was executed using TurboC7 and shown to the students. He took 90 minutes for this part which was an interactive one. Few practice programs were given to the students to try for the next 30 minutes. All the ISTE SAKEC volunteers were present helping the students. Arjun took over the final session of the workshop ‘Introduction to Java’. He covered the basic difference between Java and C language and how to write a simple program in Java. The students asked for more details of Java language, as a result the workshop was stretched by 1 hour from its scheduled time. The workshop concluded with a Q&A session at 2p.m

Event no.: 5

Event name: Plan your post-graduation

Speakers: Ali Asgar Tashrifwala, Umangi Kamani, Harsh Shah, Rushab Saaliya

Date: 21st January 2017

On 21st Jan, 2017, ISTE SAKEC organised an event “**PLAN YOUR POST GRADUATION**” to guide the students for abroad studies after their B.E Degree. The event took place in the 4th floor MMS auditorium from 10am onwards. The speakers for the events were our Final Year students who were themselves pursuing MS. They shared their very own experiences with the students.

The main aim of this event was to give the students an idea on how to prepare for your Masters from the start to the end. They gave very detailed information on exams such as **GRE, TOEFL, IELTS**, etc. They explained the sections which each exam was divided into. They guided the students on how to prepare for these exams and also shared the study resources required for it. They recommended many apps and sites which will help the students to develop their verbal and technical skills which are very essential for the students. They also guided the students on how to write their **LOR, Resume and SOP**, which are important factors for admission in abroad universities. One of the main factors covered by them was **Finance**.

The session was very interactive as the students themselves participated enthusiastically. The session was supposed to end by 2pm but due to the good responses and students' request it was extended till 4pm. We got great reviews from the students present.

Event Name: ROBOTICS

Speakers: Technobotics Team

ISTE SAKEC in association with **TECHNOBOTICS** had organized a workshop on “ROBOTICS” on **11th March, 2017** from 10am onwards in CR. 34. Students from every year were present at the year.

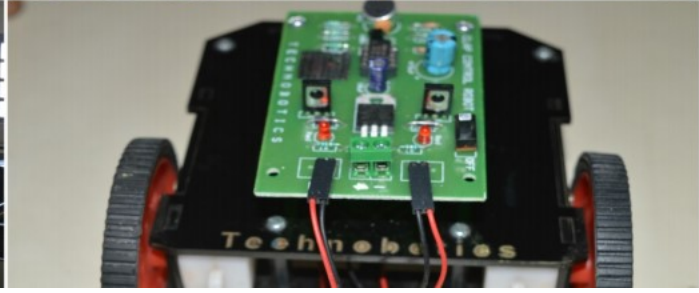
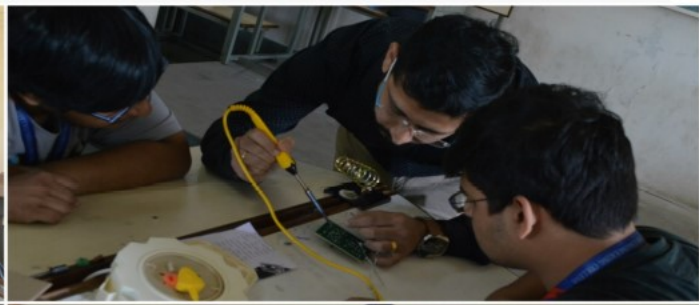
The aim of this event was to enhance the knowledge of participants regarding the field and domain of Robotics and use of it in the professional world. The workshop started with few words from Ronak Parikh, the founder of TECHNOBOTICS. He discussed about his experience and work he does in the field of robotics. Then Amit Das started the workshop by interacting with the participants and asking them what actually they know about robotics and any idea they have about the use of robotics. Some Participants actively answered. Then he started with giving the introduction to robotics .Then the participants were made aware of some basic topics needed for robotics such as IR sensors, Torque, Mic condenser, LDR IC555 etc. Then explanation of construction and working of lap control bot, light follower bot, Line follower bot. The electronic components used in all the bots were explained to the participants. The participants constructed their own working bot and very excited to see their own kits working. Overall, the workshop was very beneficial for the participants and they themselves build their own kits.

Ir sensors

Torque

Mic condenser

LDR IC555



Event name: Arduino Day 2017

Date: 1 April, 2017

Time: 10:00am onwards

Arduino Day 2017 is a worldwide celebration of Arduino's birthday. It's a 24 hours long event organized directly by the community, or by the Arduino team, where people interested in Arduino get together, share their experiences, and learn more.

In this hands-on training workshop. Participants were taught what is arduino and how to use it. Participants interfaced various components and sensor on the arduino uno and daughter board. In the inauguration of the workshop, in presence of dignitaries, a class eighth student demonstrated his arduino project on Bluetooth app based remote control car using Arduino.

In the workshop participants interfaced LEDs, push buttons, 7 Segment Display, Buzzer, various sensors and in the end made a mini project on Arduino. All the participants were provided lunch and refreshments. The workshop ended with a Talk on IOT, followed by 2 arduino based project demonstrations and discussions. During the discussion, the best idea from a participant on arduino based project received a wifi module. All the participants received a certificate.



Innovation In Teaching-Learning Process

Electronics Engineering Department in association with IEEE SAKEC organized a session on Innovation In Teaching-Learning Process “Flip your class with technology” for faculties of SAKEC on 10th March 2017. Seminar was conducted by Ms. Simran Dawar, Product Marketing Manager, Windows and devices, Education, Microsoft.



Application of Fractional Calculus

Department of Electronics Engineering and IETE SAKEC organized an event on “Application of Fractional Calculus” On 4th March 2017, The event took place at SHAH AND ANCHOR KUTCHHI ENGINEERING COLLEGE on Second floor, MMS section Auditorium. The event was specially for all teaching faculties from Electronics and Electronics and Telecommunication Department. The speaker in the event was Mr. Mukesh Patil, Vice Principal, Ramrao Adik Institute of Technology, Nerul.



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