



Wearable power generators for medical applications

Guest Lecture has been arranged by Department of ECE on "Wearable power generators for medical applications". The technical lecture was delivered by Dr. Pandiyarasan Veluswamy, DST INSPIRE Faculty in Electronics & Communication Engineering, Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai-127, on 4th July, 2019, to ECE students. He shared his insights on fabric materials covered with metal-oxide nanostructures for the application of wearable thermoelectric power generators.





Path to Career Success

Motivational Talk has been arranged by the Department of ECE for final year students to motivate and help them to appear for placement interviews. Mr. A. Mohitheen Batcha, Head of the Department - Psychology, Sathyabama Institute of Science and Technology, Chennai delivered the motivational talk on "Path to Career Success". He addressed around 600 students from the ECE department in different sessions which were distributed and arranged on the dates 1st, 11th, 12th, 13th and 19th of July, 2019. It was indeed the right time and in just the right way to prepare final year students to thrive academically, personally and socially, and assist them in exploring their options after their professional education.



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Microstrip Component Design Using ANSYS HFSS and Testing with VNA

The IEEE student branch of Sathyabama Institute Science and Technology organised a two day workshop on “Microstrip Component Design Using ANSYS HFSS and Testing with VNA” in association with IEEE Madras section on 11th and 12th July, 2019 in Department of ECE. The technical sessions were handled by Mr. Megala Harinath, Software Engineer, CTS, Chennai, Dr. M. Sugadev, Asst. Prof., Dr. G. Jegan, Asst.Prof. and Ms. I. Rexline sheeba, Asst. Prof. from Department of ECE, Sathyabama. The workshop was arranged for final year ECE students to provide an insight on the design aspects of microstrip components and hands on training with ANSYS HFSS electromagnetic simulation tool. The theoretical and practical skills gained through the workshop would help the students to carry out their projects in RF and Microwave components Design, Analysis and Testing.





VLSI Design using Verilog HDL

Department of Electronics and Communication Engineering has organized a Webinar on “VLSI Design using Verilog HDL” to final year ECE students on 24th July, 2019. This webinar has been a great opportunity for students to understand VLSI design and Verilog Coding from Industry expert Mr. P. R. Sivakumar, CEO - Maven Silicon, Bangalore – 560076. The program has been designed and delivered in an amazing combination of Video lectures & Labs to empower the students with an all-round understanding of Verilog HDL. The key feature of this Webinar was its interactive elements and its ability to have given, received and discussed information in real-time.





Applications of Microprocessors, Microcontrollers and Embedded Systems in day today life

Department of Electronics and Communication Engineering organized a guest talk on "Applications of Microprocessors, Microcontrollers and Embedded Systems in day today life" by Mr. Stefan Manoharan, Texas A & M University, Texas, USA. He elaborated the topic with many examples and concepts related to various embedded system devices and applications to third year ECE students on 26th July, 2019. The session was very interactive and informative to beneficiaries.





Modern Battery Technologies in Electric Vehicles and Opportunities for Advancement

Modern teaching pedagogy refers broadly to the theory and practice of education, and how this influences the growth of learners. The pedagogy adopted by instructors shape actions, judgments, learning, understandings of students and their needs. As part of the modern pedagogical initiative, the department of Electronics and Communication Engineering has organized a guest talk using Skype video call. Skype is a wonderful tool that brings in professionals into the classroom irrespective of location and time constraints.

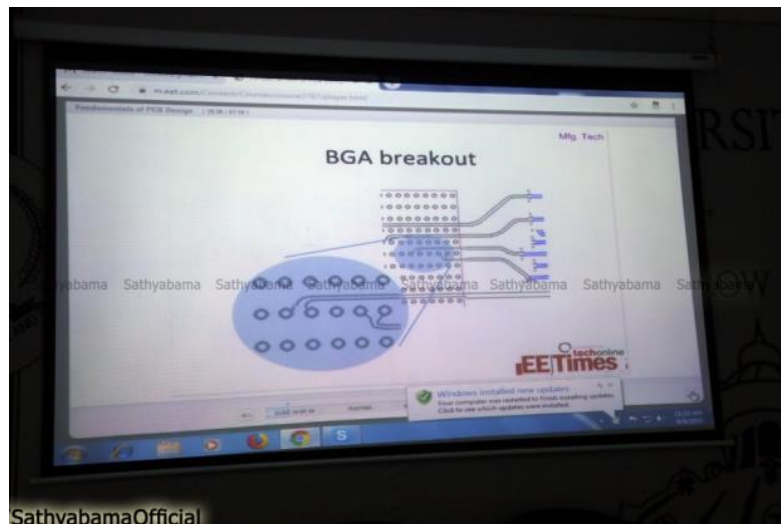
Dr. Kadirvelayutham Prasanna, H.C. Ørsted Post-Doctorate Fellow from Technical University of Denmark, Anker Engelunds Vej 1, Lyngby, Denmark addressed second year students of ECE department under the title "**Modern Battery Technologies in Electric Vehicles and Opportunities for Advancement**" on 2nd August, 2019. It was indeed a wonderful presentation. Students were engaged and very enthusiastic about the topic. This kind of online technical talk would enable the speaker to inspire the next generation of global citizens through transformative learning over Skype.





Fundamentals of PCB Design

On 9th August, 2019 Department of Electronics and Communication Engineering has organized a Webinar on the topic "**Fundamentals of PCB Design**" for ECE third year students. The students were addressed by **Dr. Howard Johnson**, Electrical Engineer, Signal Consulting Incorporation, USA who is known for his consulting work and commonly referenced books on the topic of signal integrity, especially for high speed electronic circuit design.





Internet of Things Fundamentals and Architecture

The Department of Electronics and Communication Engineering has arranged a guest lecture for ECE students on the topic "**Internet of Things Fundamentals and Architecture**" on 28th August, 2019. **Mr. Hariharan. V**, Director, NEE VEE Communication Technologies Pvt. Ltd., Chennai gave an exposure to the recent trends in communication technologies and market requirement that would prepare the students to excel in their professional education.





FPGA implementation for real world solutions

Guest lecture on the topic “FPGA implementation for real world solutions” has been arranged for ECE students on 03.02.2020. The session was very interactive and informative to beneficiaries.





CLAD Training Phase 1

Sathyabama-NI LabVIEW Academy has organized CLAD certification course for ECE students. Around 60 students have been shortlisted and finally 31 students were selected for this course based on their interview performance. Every semester the selected students had undergone the scheduled training during regular working hours from 03.02.2020 to 11.02.2020.

