

Data Structures & Algorithms

Event Details

Date: October 16th,2019

Time: 12 pm to 2pm

Venue: Seminar Hall

IEEE WIE MSIT and IEEE CS MSIT in collaboration with Coding Ninjas organized a workshop on Data Structures and Algorithm on October 16, 2019. Coding Ninjas is an education startup founded by some smart engineers, graduated from one of the best engineering colleges from our country. They work for giving coaching and providing awareness about competitive programming among the engineering students. The workshop started with introduction to the importance of starting early coding practice by the volunteers of both the chapters. The speaker of the session was Ms. Nidhi Aggarwal, teacher of Coding Ninjas, who explained basics of data structures, need of data structures and algorithms and also discussed some good coding problems. T-Shirts and goodies were distributed among students who gave the correct answers. During the event Dr. Anupama Kaushik, Ms. Sanidhya Parashar, Ms. Kriti and volunteers of both the chapters were present and at the end Coding Ninjas teacher was awarded with a souvenir followed by a group picture.

Pictures of the workshop





Workshop on Electronics and Circuit Design

Event Details

Date: 17th October 2019

Venue: AWP PCB lab MSIT

‘Workshop on Electronics and Circuit Design’ organised by IEEE MSIT Awp pcb lab, was conducted on 17th October 2019 . Over 35 participants from various engineering fields, participated with full enthusiasm to learn how to make an LED Chaser.

The event started with the volunteers, giving a detailed introduction of one of the most popular types of LED driving circuit and its wide applications in the industry. The volunteers explained the working of each component used in the circuit and their functions respectively.

After having understood each component, the participants started building the circuit on a perfboard by following the schematic.

The volunteers ensured that every participant was able to work on their project effectively and guided them constantly throughout the event.

Soldering of joints was the main step in order to build a successful LED chaser. Participants handled their circuits with utmost care while soldering. Volunteers checked all the connections and made sure that every dry joint was soldered efficiently.

The last phase in building a LED chaser was testing the circuit. In successful circuits, the LEDs lit up in a sequence, sending a wave of happiness among all the participants.

The event was successfully concluded with participants thanking the IEEE MSIT Lab team to give them a great opportunity to learn and grow during the course of workshop.



PROGRESS AND POWER

Event Details

Date: 17th October, 2019

Venue: Seminar Hall 006

Time: 11 a.m. to 12:30 p.m.

Expert lecture on DC-DC Converters with a healthy discussion of current trends and advances;
Call for projects in field of Power electronics

IEEE PES MSIT in collaboration with Electrical and Electronics Engineering Department, MSIT organized an expert lecture. Dr G. Bhuvaneshwari, professor at IIT Delhi, Electrical Engineering Department, was invited as the expert for the lecture on 'DC-DC Converter'. With an aim of clearing the concepts of Power electronics which is a crucial field, the lecture witnessed curious minds holding a healthy discussion about recent trends and advances.

With a warm welcome, the lecture started with a brief introduction of Dr.G. Bhuvaneshwari. Holding a great research profile, a spark of interest and ideas was produced amongst the audience, following the insightful lecture. The concentration of the expert lecture can be summarized as:

- Non-Isolated DC-DC Converters
 - Buck
 - Boost
 - Buck-boost
 - Cuk
- Isolated DC-DC Converters
 - Flyback
 - Forward
 - Push-pull
 - Half Bridge
 - Full-bridge
- Power Supply Applications

Real life application of the theoretical concepts like in actual power supplies, with the industrial examples was discussed. Recent advances and competition in the research domains about how the field is a 'hot topic' and what researchers are doing to increase the efficiency were also enlighten. This not only buoy up students to understand the crux of power electronics but also to step into research and undertake product based projects. The lecture concluded with a doubt clearing session and token of thanks was presented to our esteemed guest.

With an aim of providing a platform to young and enthusiastic students, and to carry forward their interest and try their hands on interesting projects like 'sahil add few project names here or add the complete list of projects (not in bullet points)', a call for a week long project series was opened. Herein, seniors will be mentoring students thus strengthening the bonds and concepts.

Photographs:



Arduino 101

Event Details

Date: 22nd October, 2019

Venue: Common Hall 608

Time: 12 p.m. to 2:00 p.m.

IEEE RAS MSIT in collaboration with IEEE CS MSIT conducted a hands-on workshop on Arduino on 22nd October, 2019 from 12 a.m. to 2 p.m. at common room, room no. 608.

The event was conducted by RAS MSIT members. The event started off with discussion on automation and why we need Arduino. The speaker Mr. Abhishek Parashar taught some basic concepts about Arduino, I.O.T and automation. The students were then taught about basic Arduino programming. The event concluded with each student making their own LDR project using Arduino.





STAR Program

Event Details

Date: October 24th, 2019

Time: 11am-1pm

Venue: Govt. Senior Secondary School, Gurgaon

IEEE WIE MSIT organized a STAR program, a workshop on carrier counselling at Govt. Senior Secondary School, Jacubpur, Gurgaon(Haryana) for the students of class 9th . The main aim of the workshop is to make students aware of the different engineering fields and professions associated with it. The event started at 11:30am with a strength of about 100 girls in the auditorium. Ms. Urvi Choudhary explained about WIE and the objective of the workshop followed by Ms. Kriti who explained about the involvement of mathematics and science in our day-to- day lives. WIE volunteers actively participated in the event and described contribution of engineering to development and the various domains of future innovation in engineering. The students were made aware regarding the various engineering degrees, preparation of different engineering entrance exams and numerous scopes after completing the studies. Various scholarships available were also discussed for the girl students and some of the legend female engineers were remembered as an inspiration. The programme ended with various study tips to the students and also WIE goodies were distributed among students.

Pictures of the event



