Model Institute of Engineering and Technology

Activity Report: IEEE Student Chapter

Report for the Year 2018-19

Rajinder Tiwari
Faculty Coordinator, IEEE
Department of ECE

Jamini Sharma
HoD
Department of ECE

Contents

S.No.	Topic	Page No
1.	Preface	2
2.	Introduction	3
3.	2019- Membership, Activities	5-9
4.	Photos	10-15

Preface

The Student Chapter of Institute of Electrical and Electronics Engineers (IEEE) was established at Model Institute of Engineering & Technology (MIET), Jammu in 2014 and revived in 2017. Since then the IEEE student chapter at MIET is quite active in spreading the awareness about the technical aspects of IEEE and the various activities organized by IEEE to the students of MIET as well as nearby colleges. The students of the MIET have been actively participating in the events, conferences, etc. organized by IEEE in north zone and has won appreciation certificates/prizes too.

At the local level, this chapter is quite active in jointly organizing various technical events within MIET as well as nearby colleges/universities for the students and faculties. During this current year, the student chapter of IEEE has jointly organized various technical events such as workshop, on Internet of Things (IoT), Technical Quiz Competitions, Junkyard, Tech Medallions, Project Competitions i.e. Two days Projectathon-2019. About 150 students have been involved in this event from MIET and nearby colleges.

This report has been compiled with the best efforts to put down the list of all the events and activities that has been organized by IEEE as well as other technical institutes. Glimpses of all these activities have been attached at the end of the report with the help of photographs.

Rajinder Tiwari
Faculty Coordinator IEEE

Jamini Sharma
HoD, ECE

Introduction

The Institute of Electrical and Electronics Engineers (IEEE) finds its origin way back in 1884 when a small group of electrical engineers met in New York, USA and formed an institute named as American Institute of Electrical Engineers (AIEE). In their first meeting held at Philadelphia, USA, prominent scientists like Thomas Edison, Alexander Graham Bell etc. participated Another society which was working in field of vacuum tubes, wireless telegraphy and other electronic technologies was formed in 1912 and was named Institute of Radio Engineers (IRE).

IRE progressed faster than AIEE and on 1 January 1963, both these organizations decided to merge to form the Institute of Electrical and Electronics Engineers (IEEE). At its formation, IEEE had 150,000 members, 140,000 of whom resided in the United States only.

IEEE has its headquarters at New Jersey, USA. It has 10 regions and India comes under Region No 10 which is Asia Pacific Region of IEEE. Each region is divided in Sections and Asia Pacific Region (Region 10) has 55 sections. 11 IEEE Sections operate in India and are located at places like Delhi, Bangalore, Ahmadabad etc. Delhi Section covers the states of Rajasthan, H.P., Punjab and Haryana besides 4 Union territories of Delhi, Chandigarh, J&K and Ladakh.

Each section can have Affinity Groups, Student Chapters, Subject-specific Chapters, Technical Societies, Council Chapters etc. In Model Institute of Engineering and Technology, an IEEE Student Chapter has been in existence since 2017. Currently there are 12 active IEEE student members in this Student Chapter

Membership and Activities: 2018-19

Membership

Any faculty, professional or student can become member of IEEE based on the eligibility criteria of IEEE. Once an individual becomes a member of IEEE, he/she will have access to technical innovations, cutting-edge information, networking opportunities, and exclusive benefits provided by IEEE. Members support IEEE's mission to advance technology for humanity and the profession, while memberships build a platform to introduce careers in technology to students around the world.

Currently there are 18 students members in the Student Chapter of IEEE at MIET. Their membership number and validity period is tabulated below.

S. No	Name	Membership ID	Validity
Faculty Members			
1	Rajinder Tiwari, Assoc. Professor, Dept of ECE, MIET Jammu	92324976	Dec, 2020
	Student Members		
2	Puneet Sathu, ECE VIIth Sem	95739001	Dec, 2020
3	Hiba Khan, ECE VIIth Sem	94817384	Jul, 2020
4	Shivani Choudhary, ECE VIIth Sem	95704339	Mar, 2020
5	Chandini Malhotra, ECE VIIth Sem	94835558	Apr, 2020
6	Daraksham Bilal, ECE VIIth Sem	96095858	Jul, 2020
7	Sunidhi Bandral, ECE VIIth Sem	96177633	Jul, 2020
8	Ritvik Khajuria, ECE VIIth Sem	95620851	Mar, 2021
9	Shivam Gupta, ECE Vth Sem	95119812	Dec, 2019
10	Maria, ECE Vth Sem	95119814	Oct, 2020
11	Mansha, ECE Vth Sem	95119803	Oct, 2020
12	Bilkees Gani, ECE Vth Sem	95129558	Dec, 2020
13	Nipun Arora, ECE Vth Sem	95119747	Dec, 2020
14	Ishan Kotwal, ECE Vth Sem	96422584	Dec, 2020
15	Taranjeet Kour, ECE Vth Sem	95129602	Dec, 2020
16	Shah Yaseen Asma, ECE IIIrd Sem	96199501	Sep, 2020
17	Saliha Rashid Bhat, ECE IIIrd Sem	96442448	Dec, 2020
18	Rifat Rafiq, ECE IIIrd Sem	96445605	Dec, 2020

Activities (2019)

The Student Chapter undertook 6 activities from 1 Jan 2019 to 30 Nov 2019, details of which are given.

Activity No 1:

Name of Activity	:	Workshop on Internet of Things
Date	:	22-23 March 2019
Participants	:	51 students
Details	:	It was a two days workshop organized for the students of all the departments. Hands-on experience was given to students to improve their practical knowledge. Certification was given to them by i3Indya, and photos are enclosed at Appendix A

Activity No 2:

Name of Activity	:	TechMedallion-2019
Date	:	27 March 2019
Participants	:	
Details	:	It was an event organized in collaboration with ECE Dept. In this event, competition was held of the projects given to participants with the aim to drive home the lesson of striving hard to achieve excellence. Cash prizes were given to the winners of the competition. Photos are enclosed at Appendix A & B.

Activity No 3:

Name of Activity : JankYard/ScrapYard 2019

Date : 23 March 2019

Participants : 08

Details : In this event the students were asked to implement the useful project using waste materials. This was also organized in collaboration with ECE Dept. Prizes were given to the winner of the event. Photos are enclosed at Appendix B.

Activity No.4:

Name of Activity : Projecthon-2019

Date : 4-5, Oct, 2019

Participants : 14 teams

Details : It was a competition organized in collaboration with ISTE student chapter, ECE Dept. Prizes were given to the winners of the events. Photos are enclosed at Appendix C

Activity No.5:

Name of Activity : Guest Lecture (IEEE Day Celebration)

Date : 4th, Oct, 2019

Participants : ECE students

Details : In the league of IEEE Day Celebration, a guest lecture was organized by IEEE Student Chapter and attended by the faculty and students of ECE department. The speaker for this event was Dr. Anup Shukla, an IEEE member

and faculty of Electrical Engineering, IIT, Jammu. He delivered an interactive session on the topic "Smart Grids: Some Issues & Challenges". Photos are enclosed at Appendix D

Activity No.6:

Name of Activity : Guest Lecture

Date : 1st , Nov, 2019

Participants : ECE students

Details : A guest lecture was organized by IEEE Student Chapter and attended by the faculty and students of ECE department. The speaker for this event was Mr. Umesh, an eminent member of IEEE and Reviewer of IEEE (Research Papers on Antenna). In this session, he delivered an interactive session on the topic: "Antenna & Radar: Designed & Operations". Photos are enclosed at Annexure E.

Activity No.7:

Name of Activity : Seminar

Date : 27th, Nov, 2019

Participants : Engineering & MBA Students

Details : Under IEEE Student Chapter, MIET, Jammu, A Seminar on "Technical Innovations & Entrepreneurship" was organized for all the students of Engineering & MCA/MBA. Photos are enclosed at Annexure F.

Appendix A

Activities of 2019

"IOT" Hands-on practice, 2-Day Workshop on 22-23rd March 2019.

Organized by IEEE student Chapter and ECE department

In Tech-Medallion-2019 event, Students of ECE department, demonstrating their project , conducted by IEEE student chapter, MIET

Appendix B

Activities of 2019

Prof. Ankur Gupta, Director MIET briefing the students about the event TechMedallion-2019 conducted by IEEE Student Chapter, MIET.

Students of ECE department giving their best to achieve the goal by participating in the junkyard event, organized jointly by IEEE & ISTE Student Chapter, MIET, Jammu.

Appendix C

Activities 2019

Participants in the Projectathon 2019, organized by IEEE Student Chapter, MIET, 4th Oct 2019

Participants in the Projectethon 2019, organized by IEEE student chapter, MIET, 4th Oct 2019.

Appendix D

Activities 2019

Guest lecture by Dr. Anup Shukla, IIT, Jammu, organized by IEEE Student Chapter, MIET, Jammu on 4th Oct 2019.

Appendix E

Guest lecture by Mr. Umesh, IEEE Member & Reviewer, organized by IEEE Student Chapter, MIET, Jammu on 1st, Nov 2019.

Appendix F

A Seminar on "Technical Innovations & Entrepreneurship" was organized by IEEE Student Chapter for all the students of Engineering & MCA/MBA on 27th, Nov 2019.

Activities (2020)

Activity No 1:

Name of Activity : Online Guest lecture

Date : 04th May 2020

Participants : ECE students

Details : A guest lecture was organized by IEEE Student Chapter and attended by the faculty and students of ECE department. The speaker for this event was Dr. Pramod Kumar Tiwari, an IEEE member and faculty of Electronics & Communication Engineering, IIT, Patna. He delivered an interactive session on the topic "Minimizing Leakage Power". Screen shots are enclosed at Appendix G.

Activity No 2:

Name of Activity : Online Guest lecture (Alumni Interaction)

Date : 09th May 2020

Participants : ECE students

Details : A guest lecture was organized by IEEE Student Chapter and attended by the faculty and students of ECE department. The speaker for this event was Ms Surbhi Sharma, Application Engineer II, Synopsis, New Delhi. She delivered an interactive session on the topic "SoC Verification". Screen shots are enclosed at Appendix G.

Activity No 3:

Name of Activity : Online Guest lecture (Alumni Interaction)

Date : 25th April 2020

Participants : ECE students

Details : An "ALUMNI Interaction" Session was organized by Electronics & Communication Engineering Department for the 8th, 6th and 4th sem students. The invited Alumna was Ms. Shruti Khajuria (batch 20011-2015), working as Logic Validation Engineer, Intel Bangalore. She delivered a brief Technical Session on "ASIC Design Flow" to explain the scope of core Electronics Industry. She exposed the students about the endless possibilities in the field of Electronics & Communication Engineering. Screen shots are enclosed at Appendix G.

Activity No 4:

Name of Activity : Online Guest lecture (Alumni Interaction)

Date : 20th April 2020

Participants : ECE students

Details : An "ALUMNI Interaction Session" was organized by ECE department for the ECE 6th and 4th sem students. The invited Alumna was Ms. Samar Afzal, Sales Process Coordinator, Google, Paris. She gave an insight to the future aspirations for the budding engineers. Students get completely engrossed in interaction with her and she shared her experiences

and her journey so far. She motivated them to be clear, focused and pre-planning right from the beginning. Screen shots are enclosed at Appendix G.

Appendix G

Guest lecture by Dr. Pramod Kumar Tiwari, IEEE Member & Assoc. Professor, Dept of ECE, IIT Patna organized by IEEE Student Chapter, MIET, Jammu on 04th May 2020.

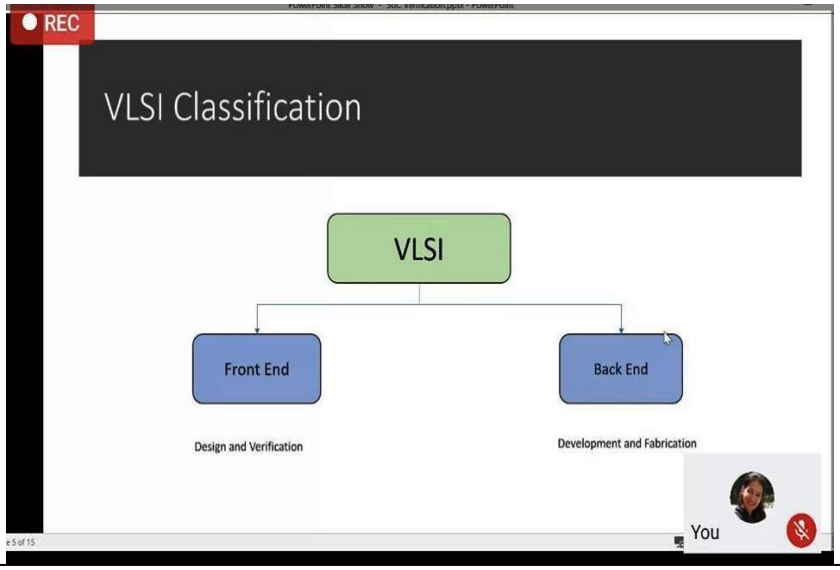
GUEST LECTURE on "SoC Verification"

Electronics & Communication Engineering Department

Welcomes

Ms. Surbhi Sharma
Applications Engineer II
Synopsys, Delhi

MIET
Model Institute of Engineering & Technology



Guest lecture by Ms Surbhi Sharma, Application Engineer II, Synopsis, New Delhi organized by IEEE Student Chapter, MIET, Jammu on 09th May 2020.

ALUMNI INTERACTION

Electronics & Communication Engineering Department

Welcomes

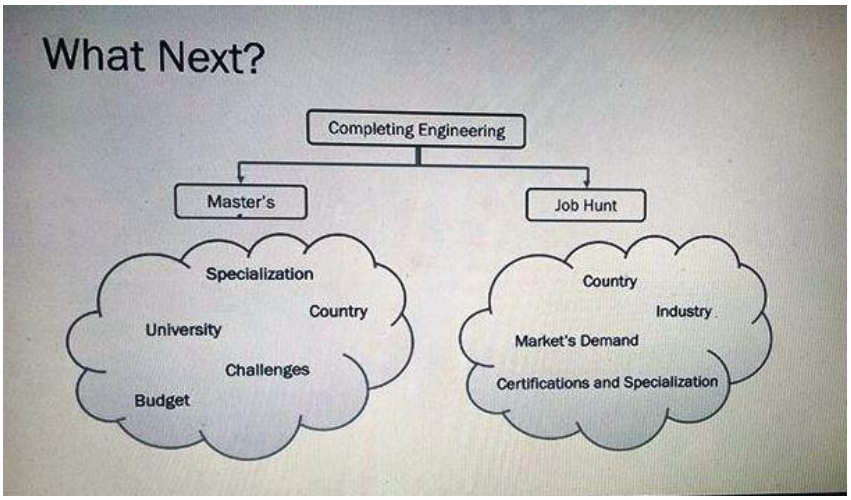
Ms. Shruti Khajuria
Logic Validation Engineer
Intel, Bangalore

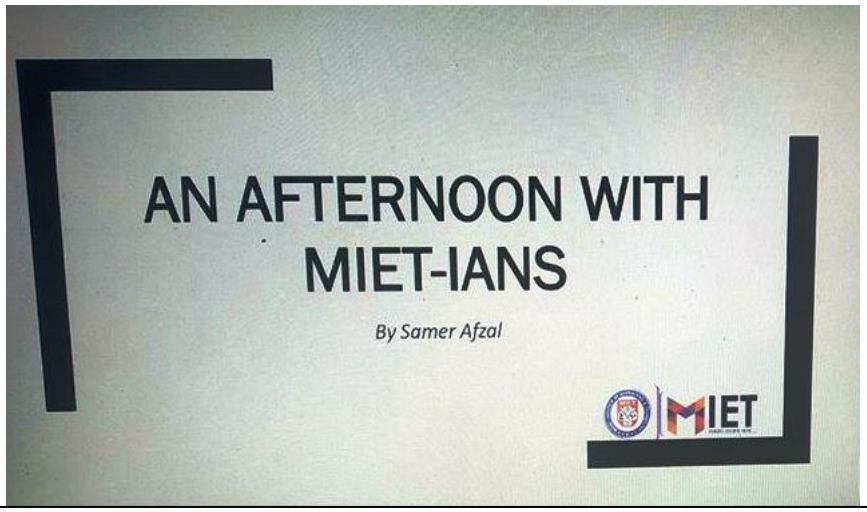
MIET

श्रेष्ठ

Model Institute of
Engineering & Technology

Guest lecture by Ms Shruti Khajuria, Logic Validation Engineer, Intel, Banglore organized by IEEE Student Chapter, MIET, Jammu on 25th May 2020.





Guest lecture by Ms Samar Afzal, Sales Process Coordinator, Google, Paris organized by IEEE Student Chapter, MIET, Jammu on 20th April 2020.