



Electroma

A Quarterly Publication of
Department of Electronics and Communication Engineering

Volume V, Issue 4, April – June, 2022

IIMT COLLEGE OF ENGINEERING NEWS LETTER

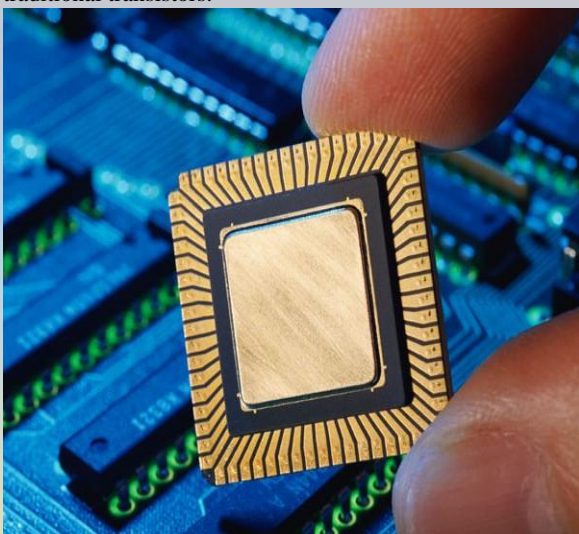


Emerging Technologies in Electronics That Will Change Our Future series.....

Desk from Editor

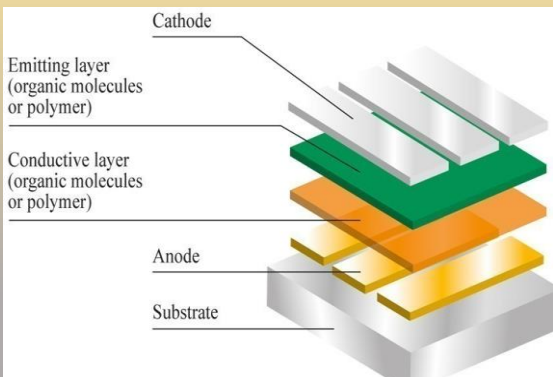
1. Nanoelectronics

Nanoelectronics is a field that deals with the use of nanotechnology in electrical components. On the other hand, nanotechnology is a branch of engineering that deals with the matter at an atomic and molecular level. Nanoelectronics more or less is based on the transistors. The transistors used here have size lesser than 1000 nanometers. These are so small that there is separate study to understand the inter atomic interactions as well as quantum mechanical properties. These transistors are designed through nanotechnology and are very much different from the traditional transistors.



2. OLED(Organic Light Emitting Diode)

OLED is a type of LED (Light Emitting Diode) with a small change that the component that produces light is made up of a thin layer of organic compounds. This organic semiconductor layer is situated between the two electrodes. It is mainly used for flat panel displays, mobile devices, and smartphones.



Dear readers,

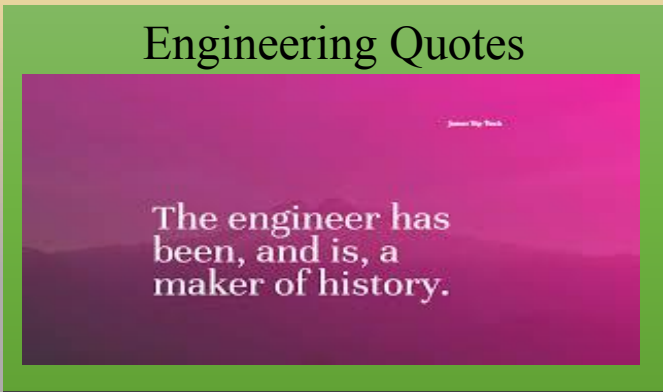
It is a pleasure to Head the Department of Electronics and communication at IIMT College of Engineering. The department offers B.Tech (ECE). The department has a team of highly experienced and motivated faculty members. All the Faculty members are well qualified and competitive enough in preparing the young minds (our students) for global competition. Students of ECE department are highly motivated and ready for EC Industry with hands on experience on current technologies/ programming languages.

Students are facilitated with Personality Development Program (PDP Classes), Communication Classes for better placements. Competitive exams, quizzes and other co-curricular activities are the part of schedule. Sports, Co-curricular and extra-curricular activities takes place at Institute level and students participate in various Intra-College, Inter-College, Inter-University fests/competitions. Our Students have their own Band group and won many prizes in different competitions.

I wish all the best to all students, staff and faculty members of the department, and hope that this issue of departmental newsletter will encourage them to keep doing the good work.

Happy reading!

Prof. (Dr.) Seema Nayak
Chief Editor & HOD Dept. of ECE



Poster Presentation of Business Plan, 04th April, 2022

The Department of ECE organized a minor activity on Poster Presentation on Business Plan". This activity was organized under IEI through IIC on 4th April 2022 10 am onwards. In this activity more than 30 students participated and showed their idea on new business model

A poster session is a good way to disseminate your work, particularly if your research falls within a narrow field of specialization. It also gives you the opportunity to actively engage with others during the conference in a way that networking alone does not, since by its very nature the poster defines the topic of conversation

Posters offer the opportunity to engage with other conference attendees interested in the same subject and applications. You might strike up a conversation with someone about your poster that may lead to future collaboration or even a job offer! One-on-one conversations about your poster enable you to talk about very specific aspects of your research that may not be possible in a presentation.

Poster sessions offer the opportunity to practice your presentation skills. One advantage of presenting a poster is that it enables you to try explaining a concept in different ways, and see which explanation is most well received. At the same time that you're honing your ability to communicate verbally, you can also hone your ability to present information visually in a simple way.

A poster session is ideal for the early stages of the research, when you may not have much more than an idea, and you stand to benefit a lot from discussing your idea with other researchers from the same field.

The winners scored positions as:

Priya and Ashutosh: First position

Pooja and Surendra Gupta: Second Position

Akhil Kadri and Alok Gond: Third position

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MoE IIMT ENGINEERING INNOVATION CELL &
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
are Jointly Organizing

"POSTER PRESENTATION OF BUSINESS PLAN"

Date: 04th April, 2022
Time: 10:00 AM Onwards
Venue: Microprocessor Lab
Room No-323, Block-B

Last Date of Registration
02nd April, 2022

COORDINATOR
Ms. Zaiba Ishrat
Assistant Professor
Department of ECE

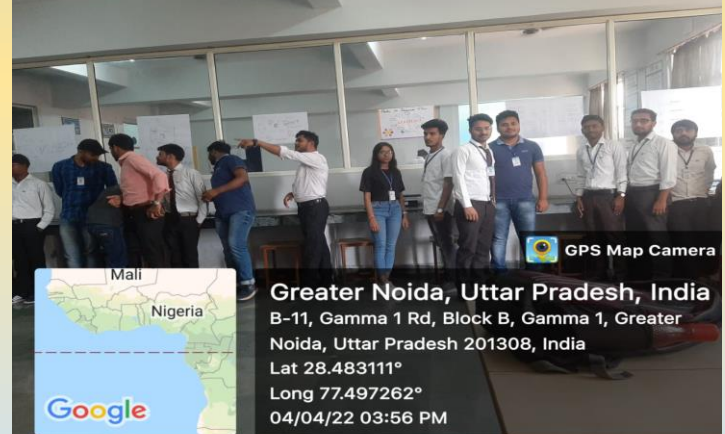
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Dr. S.S. Tyagi
Director
IIMT College of Engineering

Dr. Sanjay Pachauri
IIMT-IIC, President
IIMT College of Engineering

Dr. Seema Nayak
HOD
Department of ECE

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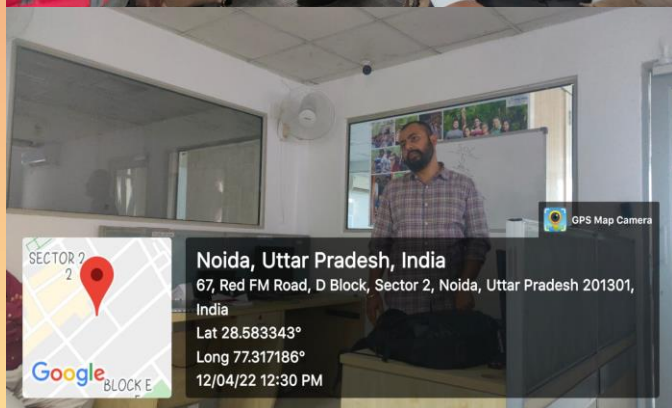
“Industrial Visit, True Chip Pvt Ltd Noida”

(Date: 12th April 2022, Time: 10:00am)



The department of ECE organised an industrial visit on 12th April 2022 for ECE third year students in True chip Pvt. Ltd. Noida to fill the industry and academia gap. Mr. Pankaj jha was the coordinator of this visit

Truechip, the Verification IP specialist, is a leading provider of Design and Verification solutions – which help you, accelerate your design, lowering the cost and the risks associated with the development of your ASIC, FPGA and SOC. Truechip is a privately held company, with a global footprint and sales coverage across North America, Europe and



Students learned about architecture design, RTL Design, Chip Integration, Test bench Creation, Test plan and Test vector coding, Assertions, SVA, Functional Coverage, Verilog, VHDL, System Verilog with OVM/ UVM/ VMM, IP Verification, SOC Verification, Functional and Timing Simulations, Power Aware simulations, CPF/ UPF based verification.

Student's achievement- A milestone project



छिपे आतंकियों और दुश्मनों को पहचानेगी रोबोट कार

जासं, ग्रेटर नोएडा: आइआइएमटी कालेज के छात्रों की टीम ने रोबोट कार तैयार की है। दावा है कि कार की मदद से जंगल या युद्ध के मैदान में छिपे आतंकवादियों की सूचना आर्मी के अधिकारियों को मिल जाएगी। कार लगभग दो किलोमीटर की परिधि में आतंकियों की पहचान कर सकेगी। कालेज के छात्र अर्पण जैन, प्रत्युष बिंसी और अजमत खान ने संयुक्त रूप से इस पर काम किया है। रोबोट कार के प्रयोग से देश के सैनिकों को आतंकवादियों की लोकेशन और उनकी संख्या पता चल जाएगी। सैनिकों को युद्ध स्थल में भेजने के बजाय रोबोट कार को भेजकर जानकारी ली जा सकती है। छात्रों ने बताया कि यह तकनीक लोरा टेक्नोलॉजी पर काम करती है। इसमें एक टांसमीटर और रिसीवर



आइआइएमटी कालेज के छात्रों द्वारा तैयार की गई रोबोट कार सौ. कालेज सेंसर लगा हुआ है। इस सेंसर व वजह से दुश्मनों की संख्या का पता लगाया जा सकता है। रोबोट कार इंटरनेट, वाईफाई और ब्लूटूथ के बगैरे आतंकवादियों और दुश्मनों को



“Activity on Battle ground's mobile India, BGMI” (Under Swalakshya Annual Fest)

(Date: 13th April 2022 10:00 am onwards)

Swalakshya 2022
13th & 14th April, 2022
Competitions of Swalakshya

EUPHONY • War of Bands • Nakkad Natak • Skit • Solo Singing • Solo Dance • Group Dance	SPORTS • Volley Ball • Badminton • Shot put • Tag Of War • Basket Ball • Table Tennis • Kabaddi • Long & High Jump	TECHNICAL • CAD/CAM Design • WI-R Idea • Free Fire • Bridge Making • Counter Strike • Kyan Beverage Virtual Creepell (KBVC) • Battle Ground Mobile India (BGMI)	LITERARY • Kenya Path • Extempore • Essay Writing English • Essay Writing Hindi • Debate • Online G.K Quiz	ARTISTIC • Face Painting • Rangoli • Poster Making • Sketching • Mehendi • Salsal Designing • Coin/Stamp Special Collection
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Registration link : <https://www.iimtindia.net/swalakshya.php>

CONVENER : Mr. Umesh Kumar | swalakshya_gn@iimtindia.net | 7302254554

Contact for more information
0120-2475000, 7302254551

Venue : Knowledge Park-III, Plot No. 19 & 20 Greater Noida, (U.P.)

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Battle ground's mobile India or popularly known as BGMI has a huge player base in India. But the developers of BGMI have launched another battle royal game called the PUBG new state on 11th November and as a result,

Active Voluntary blood donation by ECE students on date 24th may 2022

Rotary RI DIST 3012 | **IIMT COLLEGE OF ENGINEERING Greater Noida** | **ROTARY CLUB GREATER NOIDA**

— Aim For Excellence —

रक्तदान महादान
— NSS CLUB —

BLOOD DONATION CAMP

In Association with Rotary Club Greater Noida

Date: 24th May 2022 | Time: 11:00 AM - 02:00 PM

Venue : SARABHAI HALL, OLD B.TECH BUILDING

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Many students from ECE department participated in blood donation camp and donated blood as “RAKTDAAN MAHADAAN”.

International Conference on Communication, Computing and Industrial Engineering (ICCCIE-2022)

(Date: 26th April 2022 – 27th April 2022 10:00 am onwards)

आईआईएमटी कॉलेज ऑफ इंजीनियरिंग में दो दिवसीय ऑन लाइन अंतरराष्ट्रीय सम्मेलन

नोएडा, एनईटी

ग्रेटर नोएडा शहर में स्थित आईआईएमटी कॉलेज ऑफ इंजीनियरिंग में दो दिवसीय ऑन लाइन अंतरराष्ट्रीय सम्मेलन का आयोजन किया गया। मुख्य अतिथि के रूप में कनाडा की कंपनी डेटेक्ट सल्यूशन के अध्यक्ष फ्रेड हैनी ने भाग लिया। इस दौरान उन्होंने बताया कि किस प्रकार से औद्योगिक संयंत्र डिजाइन और निर्माण के क्षेत्र में कैसे काम किया जाता है। इस दौरान उन्होंने यह भी बताया कि औद्योगिक संयंत्र डिजाइन औद्योगिक इंजीनियरिंग पर कैसे प्रभाव डालता है। दो दिन वाले इस वर्षुत्सव कार्यक्रम में साठ देशों के शोधकर्ताओं ने भाग लिया जिनमें 200 से अधिक शोधपत्र प्रस्तुत किए। वहीं आईआईएमटी कॉलेज ऑफ इंजीनियरिंग के इलेक्ट्रॉनिक्स और कंप्यूटर साइंस विभाग के छात्रों द्वारा प्रस्तुत 58 पत्र पेश किए।

आईआईएमटी कॉलेज ऑफ इंजीनियरिंग में दो दिवसीय ऑन लाइन अंतरराष्ट्रीय सम्मेलन का आयोजन किया गया। मुख्य अतिथि के रूप में कनाडा की कंपनी डेटेक्ट सल्यूशन के अध्यक्ष फ्रेड हैनी ने भाग लिया। इस दौरान उन्होंने बताया कि किस प्रकार से औद्योगिक संयंत्र डिजाइन और निर्माण के क्षेत्र में कैसे काम किया जाता है। इस दौरान उन्होंने यह भी बताया कि औद्योगिक संयंत्र डिजाइन औद्योगिक इंजीनियरिंग पर कैसे प्रभाव डालता है। दो दिन वाले इस वर्षुत्सव कार्यक्रम में साठ देशों के शोधकर्ताओं ने भाग लिया जिनमें 200 से अधिक शोधपत्र प्रस्तुत किए। वहीं आईआईएमटी कॉलेज ऑफ इंजीनियरिंग के इलेक्ट्रॉनिक्स और कंप्यूटर साइंस विभाग के छात्रों द्वारा प्रस्तुत 58 पत्र पेश किए।

कोविड-19 ब्यारंदाहन अलग-अलग शिफ्ट के बारे में बताया कि यह कैसे काम करता है। दूसरी तरफ आईआईएमटी कॉलेज समूह के महादेशिक डॉ. एस.के. सोनी ने प्रौद्योगिकी और अनुसंधान पर बाजार के रुझानों के बारे में अपने अनुभव साझा किए। साथ ही आईआईएमटी कॉलेज ऑफ इंजीनियरिंग के डॉ.कोव्दर डॉ. एस.एस. रावो ने भी कार्यक्रम में अपने विचार सभों के सामने रखे। यह अंतरराष्ट्रीय सम्मेलन ईंटीई और सोर्सर्स, एनबीए से मान्यता प्राप्त आईआईएमटी कॉलेज ऑफ इंजीनियरिंग द्वारा इंजीनियरिंग अनुसंधान और प्रकाशन संस्थान (आईएफआईआई) 2022 कॉन्फ्रेंस को आयोजित किया गया। इस मौके पर एचओडी ईंटीई डॉ. सोमनाथक और एचओडी सोर्सर्स डॉ. राम कृष्ण ने इस अंतरराष्ट्रीय सम्मेलन में अपने विचार रखे।

Department of Electronics and Communication Engineering and department of Computer Science Engineering, IIMT College of Engineering, Greater Noida conducted two days International Conference on “Communication, Computing and Industrial Engineering (ICCCIE-2022)”.

In Two days 26th & 27th April 2022, as per valedictory speech report from Conference coordinator, 80 Researchers and Faculties were presented their papers out of Selected 95 papers. More than 200 research papers from reputed institutions and organizations have submitted their papers. From that 56 Papers Presented by Final year Students on various Researches done under guidance of IIMT, Electronics & Communication Engineering Department and Computer Science Engineering Department faculties and all 56 students Honored with certificate in valedictory function

The conference programme was very rich with 6 Technical sessions. One keynote lectures, by Mr. Fred Haney, President at DYCAT Solutions, Alberta, Canada. He emphasis on the application and future prospective of Industrial Plant Design and construction. He also focus on how Industrial plant design impact on Industrial Engineering.

Another keynote speaker Shri Naveen Jakhar, Assistant Director-General I.T.S (Indian Telecom Services), Govt. of India, shared his experiences on how COVID-19 Quarantine alert system (CQAS) works. He also explained the model of working CQAS system. How it is different from GPS apps. CQAS is not only works using GPS, but also compatible with Wrist band and CCTV surveillance & face recognition. He also explained the working of CQAS powered oxygen Digital Tracking system.

Dr. SaileshIyer, Professor and Dean CSE/IT Department, Rai University, President RU IIC and RU Nodal Officer- GSIRF, Amhedabad was the keynote speaker on day-2. Dr. Iyer emphasis the research opportunity and challenges towards sustainable Ecosystem. He explains the sustainable development goals, Pan India smart solutions for ecosystem. He experiences how the Pan India smart solution changes the day to day life in society of India. He also explains how COVID-19 impacts our daily life. How it destroy our lives and how this smart solution is beneficial for us.

The conference chair and IIMT Director Prof. (Dr.)S.S. Tyagi focus on the latest trends in technologies. IIMT Group of Colleges Director General Prof. (Dr.) M.K. Soni shared his experiences about the market trends on technology and research and how this conference helps the researchers, faculties and students.

ICCCIE-2022 VIRTUAL CONFERENCE
INTERNATIONAL CONFERENCE ON COMMUNICATION, COMPUTING AND INDUSTRIAL ENGINEERING
 26TH & 27TH APRIL 2022 | GREATER NOIDA, INDIA

Organized By
 Department of ECE & CSE (NBA Accredited),
 IIMT College of Engineering, Greater Noida, India
 in Association with
 Institute For Engineering Research and Publication (IFERP)

Call For Paper

- Advanced Computing
- Electronics and Communication Engineering
- Computer Science and Engineering
- Electrical and Industrial Engineering

Important Dates

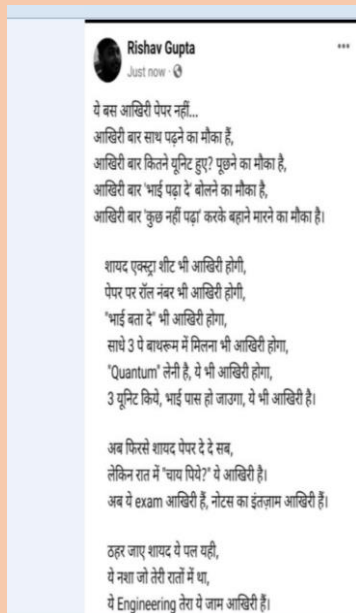
Early Bird Registration Deadline : 04th April 2022
 Abstract Submission : 09th April 2022

Contact Us

Farewell ceremony organized by ECE 3rd year students

On date 31-05-2022 (TUESDAY) Timing : 12:00 P.M. , Place : Sarabhai Hall(Old B- Tech Building)

Timing : 12:00 P.M.



Guest Lecture on “Accelerators/Incubation-Opportunities for Students & Faculty-Early Stage Entrepreneurs” Through IIC

(R&D Activity of ECE Department) Date: 25th June 2022 Time: 2:00 PM onwards

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are Jointly Organizing

Session on

“ACCELERATORS/INCUBATION - OPPORTUNITIES FOR STUDENTS & FACULTIES - EARLY STAGE ENTREPRENEURS”

Speaker
Dr. Sanjay Pachauri
Professor CSE
IIMT College of Engineering

Date: 25th June, 2022
Time: 02:00 PM Onwards

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Dr. S.S. Tyagi, Director, IIMT College of Engineering
Dr. Seema Nayak, HOD, Department of ECE

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COORDINATOR
Ms. Zaiba Ishrat, Assistant Professor, Department of ECE

Scan for Registration

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The Department of ECE organized a Guest lecture on “Registering Start –Up Under Start –UP India Scheme A Step By Step Process”. This activity was organized under IIC. **Dr. Sanjay Pachauri** elaborated discussion upon the entrepreneurship, and what are the opportunities in industry

Learning Outcomes:

Entrepreneurship and Innovation minors will be able to sell themselves and their ideas. Students master oral and visual presentation skills and establish a foundation of confidence in the skills necessary to cause others to act.

Entrepreneurship and Innovation minors will be able to find problems worth solving. Students advance their skills in customer development, customer validation, competitive analysis, and iteration while utilizing design thinking and process tools to evaluate in real-world problems and projects.

What to Do:

- ▶ Come with an idea.
- ▶ Carry out a study.
- ▶ Form the team.
- ▶ Start the venture.
- ▶ Get a business plan together.
- ▶ Look for interested investors.
- ▶ Grow the idea.
- ▶ Prepare for Exit.

Namauli, Uttar Pradesh, India
FFJR+JMV, Knowledge Park III, Namauli, Uttar Pradesh
201310, India
Lat 28.481614°
Long 77.49161°
25/06/22 02:50 PM

Be willing to learn.
Be yourself and do not worry about others.
Be able to change.
Be patient.
Be helpful and respect others.
Be serious and result oriented.
Be thankful.

Namauli, Uttar Pradesh, India
FFJR+QHH, Knowledge Park III, Namauli, Uttar Pradesh
201310, India
Lat 28.481762°
Long 77.491523°
25/06/22 02:35 PM

Placement Record of B. Tech ECE - 2022 Batch till June 2022

Sr. No	Roll No.	Name	Company Name	Package (LPA)	Contact No.	Email Id
1	1821631036	Priyanshi	Artech Infosystems	4.68 LPA	7004471772	priyanshibhardwaj22.iimt@gmail.com
2	1821631001	Abhinandan Kumar Choudhary	NIIT Ltd.	4.00 LPA	8076153997	abhi02.iimt@gmail.com
3	1821631009	Anil Kumar	VVDN Technologies	4.00 LPA	7880457179	anil10895.iimt@gmail.com
4	1821631024	Jyoti	NIIT Ltd.	4.00 LPA	9690434996	vyotisingh456.iimt@gmail.com
5	1821631026	Manish Kumar	NIIT Ltd.	4.00 LPA	7004809366	manishkr1920.iimt@gmail.com
6	1821631047	Ruchi Kumari	NIIT Ltd.	4.00 LPA	6206017612	ruchi484.iimt@gmail.com
7	1821631049	Sakib Zaya	VVDN Technologies	4.00 LPA	7782066470	sakibzaya64@gmail.com
8	1821631015	Ayushi Dubey	Suntech Global	3.75 LPA	8271394989	ayushidubey1776@gmail.com
9	1821631024	Jyoti	Infosys	3.60 LPA	6395044343	vyotisingh456.iimt@gmail.com
10	1821631005	Akanksha Raj	Wipro	3.50 LPA	8292030985	aakansharaj112.iimt@gmail.com
11	1821631010	Arpan Jain	Gamix Labs	3.50 LPA	7055706020	arpan03.iimt@gmail.com
12	1821631018	BUDDH PRIY GAUTAM	Wipro	3.50 LPA	9870688116	buddhpriygautam2442000@gmail.com
12	1821631033	Piyush Kumar	Wipro	3.50 LPA	8769207505	Piyush1999.iimt@gmail.com
14	1821631036	Priyanshi	Wipro	3.50 LPA	7004471772	priyanshibhardwaj22.iimt@gmail.com
15	1821631053	Shakti Shivam	Wipro	3.50 LPA	9648185770	shaktishivamtripathi2001@gmail.com
16	1821631060	Sweety Thakur	Wipro	3.50 LPA	99318165220	sweetythakur22062001@gmail.com
17	1821631005	Akanksha Raj	TCS	3.36 LPA	8292030985	aakansharaj112.iimt@gmail.com
18	1721631063	Pranjal	TCS	3.36 LPA	9661795094	pranjalupadhyay007@gmail.com
19	1821631062	Vaishnavi Gupta	TCS	3.36 LPA	9871667853	vaishnavigupta930.iimt@gmail.com

Guest Lecture on “National Technology Day” Through IIC

(Date: 11th May 2022 at 2:00 PM onwards)

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MoE IIMT ENGINEERING INNOVATION CELL
DEPARTMENT OF ECE IS ORGANIZING

Session On

“NATIONAL TECHNOLOGY DAY”

Microsoft Teams

Speaker
Dr. S. K. Mahajan
Retd. Senior Scientist
CSIR-CEERI
PILANI

COORDINATOR
Mr. Zaiba Ishaq
Assistant Professor
Department of ECE

PATRONS
Dr. S.S. Tyagi, Director, IIMT College of Engineering
Dr. Sanjay Pachauri, IIC, President, IIMT College of Engineering
Dr. Seema Nayak, HOD, ECE, IIMT College of Engineering

Date: 11th May, 2022
Time: 02:00 PM Onwards

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The Department of ECE organized a Guest Lecture on National technology day on 11th May 2022 at 2:00pm onwards. ”.This activity was organized under IIC. **Mr. S. K. Mahajan Ex scientist CEERI Pilani** elaborated discussion upon the National Technology day

He discussed the History of National Technology day that why we are celebrating this day and then discussed about the Semiconductor technologies. He told us about the Future prospects in the field of semiconductor technology and what are the new amendments in government policies related to the semiconductor field.

Guest Lecture On Registering Start-Up Under Start-Up India Scheme-A Step By Step Process, Through IIC, 20th May 2022, 12:00 Noon to 01:00PM

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are Jointly Organizing

Guest Lecture on

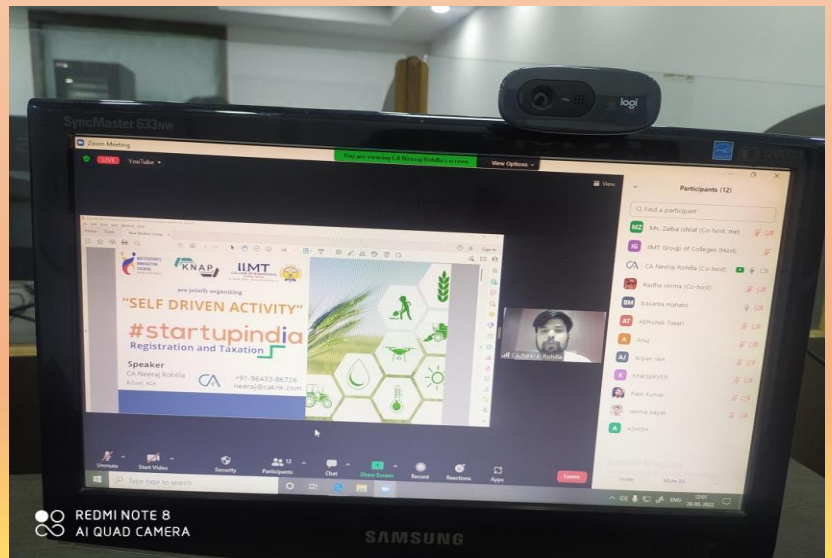
“REGISTERING START-UP UNDER START-UP INDIA SCHEME-A STEP BY STEP PROCESS”

Speaker
Mr. Neeraj Rohilla
CA
KNAP Advisory Pvt. Ltd.

Date: 20th May, 2022
Time: 12:00 Noon to 01:00 PM

PATRONS
Dr. S.S. Tyagi, Director, IIMT College of Engineering
Dr. Sanjay Pachauri, IIMT-IIC, President, IIMT College of Engineering
Dr. Seema Nayak, HOD, Department of ECE

The Department of ECE organized a Guest lecture on “Registering Start –Up under Start –UP India Scheme a Step By Step Process”. This activity was organized under IIC . **Mr. Neeraj Rohilla (CA)** elaborated discussion upon the Start -up registration, and what are the opportunities in industry.



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