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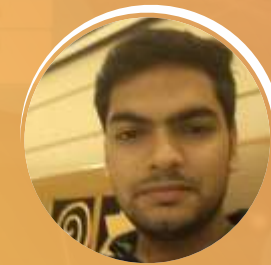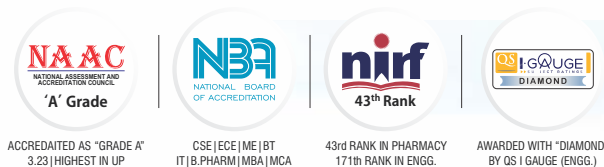Noida Institute of Engineering & Technology, Greater Noida

SAMPRESHAN
THE
NEWSLETTER
Volume 1 • Issue 1 • Jan - Mar 2022

Department of
ELECTRONICS & COMMUNICATION ENGINEERING

Recognized by

NAAC	NBA	nirf	QS I-GAUGE
'A' Grade	NATIONAL BOARD OF ACCREDITATION	43rd Rank	DIAMOND
ACCREDIATED AS "GRADE A" 3.23 | HIGHEST IN UP	CSE | ECE | ME | BT IT | B.PHARM | MBA | MCA	43rd RANK IN PHARMACY 171th RANK IN ENGG.	AWARDED WITH "DIAMOND" BY QS I GAUGE (ENGG.)

Spark Alumni

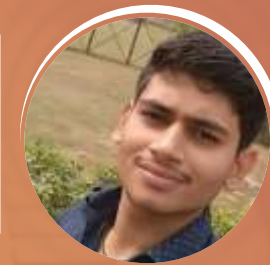**Vansh Tyagi**
Associate Software Engineer
Intel
₹32 LPA

Shishupal
Senior Engineer-1
Microchip Technology
₹14LPA

Shubham Srivastava
STA and Synthesis Engineer
MediaTek Inc,Bangalore
₹12 LPA

Yatharth Singh
Associate Software Engineer
Legato Health
₹7.5 LPA

Anupam Khare
QA Engineer
Cybage Software
₹7 LPA

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NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA

Any suggestions on the newsletter would be most welcome.
Kindly write us at: sampreshan@niet.co.in | hodec@niet.co.in | 0201ece057@niet.co.in

Message from the Editorial Team

"With imense pleasure pleasure and pride, we bring to you the first edition of "SAMPRESHAN" Volume 1, Issue 1 the Newsletter of the Department of Electronics and Communication Engineering(ECE). This Newsletter will be the official voice of the Department of ECE, NIET for the world. It aims to be a platform where the department will come alive with ts latest achievements and news. The road to success is never easy, but with hard work, drive and passion, it is possible to achieve the toughest goals. We will continue to strive not only to accomplish our goals but also to bring all our efforts and feats to the notice of our readers. The pages of "SAMPRESHAN" will serve as a token of pride and encouragement for every deserving member of our department and encourage them to put in their best.

With the constant enthusiasm and dedication of our editorial team, we trust that our effiorts in creating and publishing the inaugural issue of SAMPRESHAN will bear fruit in the future too.

Yours sincerely, Editorial Team

Dr. Garima Shukla
Editor-in-Chief

Mr. Kamal Bhatia
Faculty Coordinator

Ms. Kanika
Faculty Coordinator

Kartik Chandra
Student Coordinator
Second Year, ECE

Aalok Kumar
Student Coordinator
Second Year, ECE

Message from Hon'ble Vice-Chancellor

Dr. Pradeep Kumar Mishra
Hon'ble Vice-Chancellor, AKTU

प्रो॰ प्रदीप कुमार मिश्र
कुलपति
Prof. Pradeep Kumar Mishra
Vice Chancellor

डॉ॰ ए॰पी॰जे॰ अब्दुल कलाम प्राविधिक विश्वविद्यालय
उत्तर प्रदेश, लखनऊ
Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY
Uttar Pradesh, Lucknow

Dated: 28 March 2022

MESSAGE

The undersigned is happy to note that the Department of Electronics and Communication is bringing its Newsletter – SAMPRESHAN, Volume 1, Issue 1, March 2022 that will showcase the events and happening of the ECE Department of Noida Institute of Engineering & Technology, Greater Noida. I am confident that NIET- ECE Department will reach to greater heights of excellence nationally and internationally in the days to come and attract more students from other parts of the world. My best wishes to the department for the development of creative forums and the coordinated efforts of the students and faculty that will also bring the necessary connection and bond. I am sure that the newsletter will become a must-read chronicle on happenings around us. I congratulate the editorial team of faculty and students for their initiative and wish them success.

Best wishes to the SAMPRESHAN Team.

(Prof. Pradeep Kumar Mishra)
Vice Chancellor

Sector-11, Jankipuram Extension, Lucknow - 226031 (U.P.) India, Website : www.aktu.ac.in
☎ (Office) : +91 522 2772189, 2772194   E-mail : vc@aktu.ac.in

Message from Hon'ble Chairperson

Dr. Sarojini Agarwal
Hon'ble Chairperson, NIET

I wish to congratulate the Department of Electronics and Communication Engineering, for bringing out their first Newsletter - SAMPRESHAN, Volume 1, Issue 1, March 2022. The newsletter is a testimony to all the quality teaching and research happenings in the Department. As one of the oldest departments, it is a commendable effort that will bring quality to the columns and showcase the events. I urge all the students and faculty members of the ECE department to come out with more technical and cultural events for their continuous growth. I am sure that indulging in all these activities would set a stage for serving society as well as the nation.
Congratulations to the editorial team and I wish them luck.
"Treating patients, imparting education and doing social reform - all three are divine works and I have a passion for them." - Dr. Sarojini Agarwal

Our Visionary Leaders

"Messages from Dignitaries"

> *कर्म ही दीन है । कर्म ही ईमान है । कर्म ही पूजा है । कर्म ही धर्म है ।*

Dr. O P Agarwal
MANAGING DIRECTOR

We believe in valuing the 21st-century education system. As quoted by Sir Ken Robinson, "The more complex the world becomes, the more creative minds we need to be to meet its challenges". Today when education is going through a sea change, we leave no stone unturned to match our pace with emerging trends & newer technologies. My Best wishes to the editorial team for the first issue of "SAMPRESHAN" Volume 1 Issue 1.

Dr. Neema Agarwal
ADDITIONAL MANAGING DIRECTOR

NIET has been helping students write their own stories since its inception. Committed to providing the best jobs by creating life-changing educational opportunities and collaborative learning environments. The well-qualified faculty aid to prepare students for careers as professional engineers through an education in fundamental principles as well as in the context of real application and design environment. The department encourages all students to take advantage of the opportunities provided by the institute and participate in all the extracurricular activities that are offered. I also congratulate the editorial team for bringing out the first issue of "SAMPRESHAN" Volume 1 Issue 1.

Mr. Raman Batra
EXECUTIVE VICE PRESIDENT

Proactive scanning of the recent development in technology space, early identification of upcoming needs of the industries , aligning with right partners across the globe, continuous up-gradation of our infrastructure, facilities, faculty, curriculum designed for Holistic development of the students and meticulous execution of teaching and learning process are the hallmark of our value chain to deliver "Industry ready professionals".

Mr. Praveen Soneja
DIRECTOR GENERAL

We motivate our students to dream big and guarantee that right spirit and necessary talent are inculcated in the students to help them realize their objectives. We also continuously strive to instil ethical values in our wards so that they become responsible citizens of tomorrow.

Dr. Vinod Mansiram Kapse
DIRECTOR

The Department not only aims to make our students technically sound and knowledgeable but also to nurture their wisdom and make them a better and responsible human being. We hope that we will continue to deliver our best to serve the society and mankind. It is also expected that our students will continue to pass on the skills which they have developed during their stay at this department to the whole of the world for a better society.

Dr. B C Sharma
DIRECTOR (ACADEMICS)

Electronics and Communication Engineering is the soul of development in technology. No devie or equipment can be visualized without dependence on electronic Components.The Faculty members in the department are dedicated and well versed with the latest technologies.NIET has a culture of influencing technology by adopting various teaching-learning methodologies which makes the student leader in their domain.

Dr. Praveen Pachauri
DIRECTOR (PROJECTS & PLANNING)

A person without vision is similar to a sailor without a compass. Have a vision, plan your goals, accept new challenges, work hard to achieve them and make your life wrathful. ECE Department is continuous making effort in updating skills, organizing technical and cultural events along with adopting latest trends in Teaching Learning process that led to set a benchmark.

Dr. Pavan Kr. Shukla
HoD-ECE

About NIET

NIET established in 2001, has become one of the largest educational Institution of North India. NIET is the first private institute in Uttar Pradesh to be given an Autonomous status by UGC. The Institute has National Institute Ranking Framework (NIFR) by MHRD- 171 Rank in Engineering in the year 2021, NIET-Technology Business Incubator (TBI) is recognized by Govt. of UP under UP Startup Policy 2020, AICTE Approved "IDEA Lab" under "Aatmanirbhar Bharat" Scheme, AKTU Approved "Research Center" for ME & ECE, Atal Ranking of Institutions on Innovation Achievements (ARIIA) Ranking- "EXCELLENT", Smart India Hackathon (SIH) Software Nodal Center by MHRD. The Institute has a tie-up with Coursera, an online course provider platform that provides future-focused courses to its students. The institute tie-up's with many MNCs across the globe and well-established 29+ labs. Some labs are namely as Mercedes-Benz ADAM Lab, Apple, BMW Skill Next Program, PTC Centre of Excellence, Amazon Web Services, Delta Centre of Robotics, IBM Watson IoT Lab, Salesforce, KPIT Sparkle, ARC-Advanced Robotic Control Lab, Wipro GE, INTEL Intelligent Systems Lab, ARM Lab, VMware lab, DLT & Blockchain beyond cryptocurrency, CAPGEMINI to set up the PLM Center of Excellence (COE).

Over the years now, NIET has acquired a special position in the private higher education sector. With its distinctive culture, it provides a clear student-centered environment in which to explore existing technical knowledge, and gain new learning at the leading edges of technology development.

Our unique educational system ensures that one gains not just depth and breadth in ones chosen area of specialization, but also a holistic set of skills that equips one to face the real world. At every stage there will be opportunities to expand ones boundaries, platforms for collaboration and learning, and recognitions for those who strive to excel.

About the Department

The Department of Electronics and Communication Engineering, approved by All India Council for Technical Education (AICTE) and accredited by the National Board of Accreditation (NBA), New Delhi, was established in the year 2001. The Department offers a Bachelor's program with an initial intake of 120 and a Master's program in VLSI Design with an intake of 09 students each.

The labs, thogh, well equipped, labs and the infrastructure, are regularly upgraded not only to serve the purpose of the curriculum prescribed but also to facilitate the carrying out of innovative projects to challenge the fast-changing needs of the society besides undertaking R&D activities. A good collection of more than 8500 books and 350 journals in the Institute Library, covering all the areas of specializations help to enhance and harness the potential of the students. The ECE department has always strived to create an ambience where scholarship flourishes. The faculty members of our department are not only engaged in research on trending technology but are also very passionate about innovation in the teaching and learning processes.

The department facilitates research work with industries on Antenna Testing and Mobile Communication Network Design. We also provide an advanced MATLAB workshop to UG/PG students in order to meet the current research scene. Apart from the core electronics laboratories, department has also tied up with the contempory fields such as Artificial Intelligence & Machine Learning, Blockchain, Cyber Security, Data Science, Internet of Things (IoT), Robotics, among others.
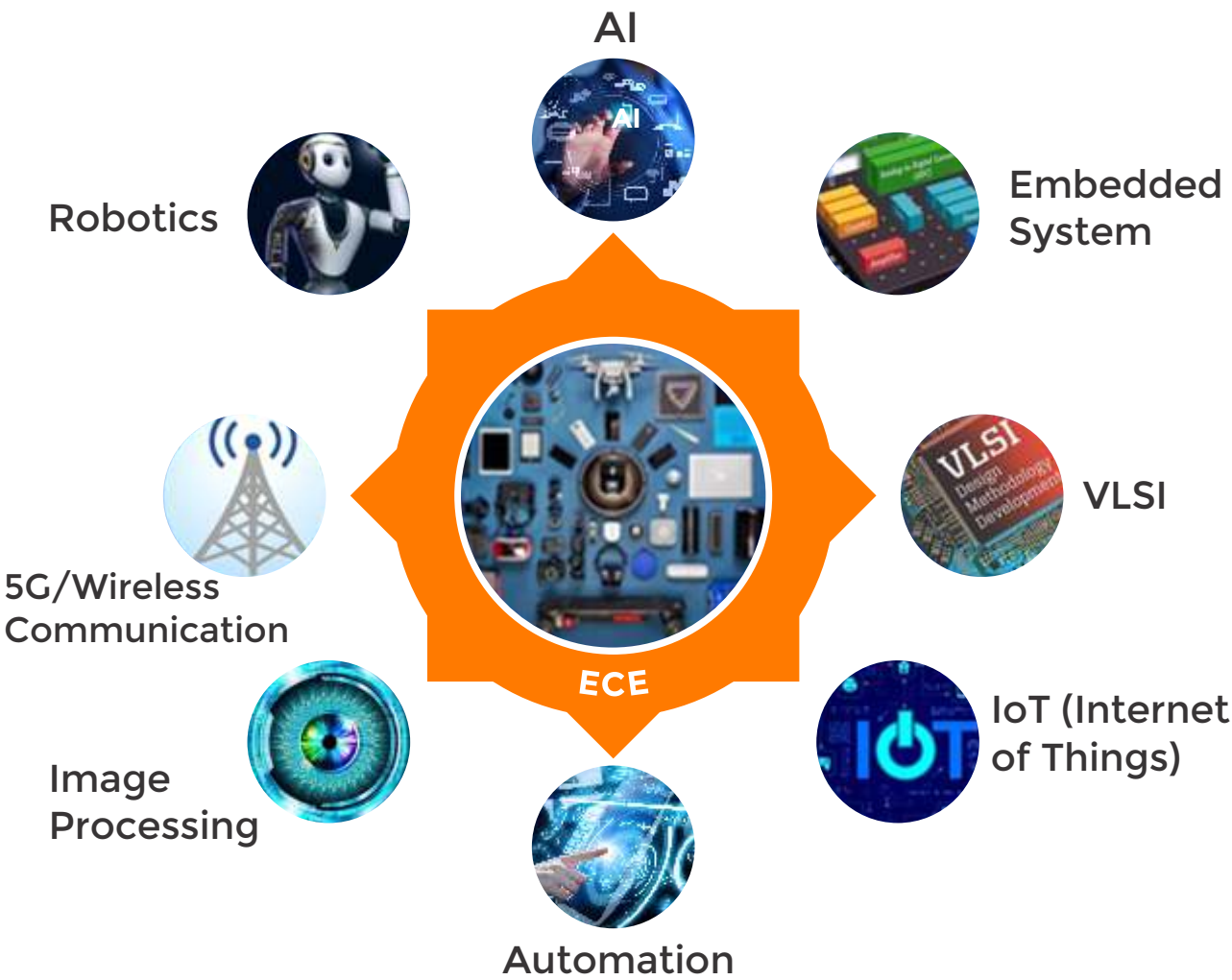
Vision

To prepare the students for global competence, with core knowledge in Electronics and Communication Engineering focused on research to meet the needs of Industry and Society.

Mission

M1 To become a dynamic and vigorous knowledge hub with an exposure to state-of-art technologies for connecting the world.

M2 To provide in-depth knowledge of Electronics and Communication Engineering ensuring the effective teaching-learning process.

M3 To train students to take up innovative projects in groups with sustainable and inclusive technology relevant to the industry and social needs.

M4 To empower students to become skilled and ethical entrepreneurs.

M5 To promote and adapt professional development in a perpetual demanding environment and nurture the best minds for the future.

Scope of ECE

An electronics and communication engineer can work in aviation and avionics, consumer electronics, electricity plant, manufacturing, distribution, communication & telecommunication, computer application, radio & television, analytical equipment manufacturing and offshore industries.

AI

Robotics

Embedded System

VLSI

5G/Wireless Communication

Image Processing

ECE

IoT (Internet of Things)

Automation

Departmental Achievements

1. Targeted 100% placements of the final year students.

2. A large number of research papers published by faculty and students.

3. Students motivated for projects in the laboratories from second year onwards itself.

4. Research facilities available for students.

5. Special classes on advanced topics.

6. Industry tie-ups for technical visit viz. BSNL (ALTTC), LG, Samsung, TNS, Telenoetica etc.

7. Advanced laboratories for VLSI and Telecommunication.

8. Various training programs for all student beyond college timings for their skill development.

9. Effective mentorship program for career development of the students.

10. Capgemini 5G Mobile Communication and VLSI Design Training for ECE third Year students has been started to keep up with current technology and to bridge the gap between Industry and society.

11. MoUs Signed with different organizations:

Sl. No.	Organization Name	Address
1	Telenoetica Limited	Ms. Shweta Srivastava, COO & Founder Director, Telenoetica Limited, 12-C, Oko Awo Street, Victoria Island, Lagos, Nigeria.
2	Aujus	Mr. Vaibhav Mishra, Director, Aujus Technology, 12-C, C-56/28, 4th floor, Sector-62, Noida, India.

NIET Greater Noida · **Telenoetica**
...where intellect drives excellence

MOU
Memorandum of Understanding

NIET Greater Noida · **AUJUS TECHNOLOGY**

MOU
Memorandum of Understanding

New Responsibilities

Dr. Pavan Kumar Shukla
HoD, ECE Department
Specialization–
Microwave Antenna Design

Dr. Shilpee Patil
Deputy HoD, ECE Department
Specialization–
Modeling of RF System Design and microstrip antenna

Congratulations to Ph.D Awardees

Dr. Anshuman Singh received his Ph.D degree in Electronics and Communication in 2022 and Master of Technology in VLSI Design in 2009. He has a teaching experience of around 20 years. His research areas are Microstrip antennas and VLSI Design.
Dr. Anshuman Singh has completed his research work under the guidance of **Dr. V. K. Pandey.**

Dr. Anshuman Singh
Assistant Professor, ECE

Dr. Dhananjay Singh has received a Ph.D degree in "Design and Fabrication of Microstrip Patch Antenna for Next Generation Mobile Applications" in 2022, from Galgotias University, Greater Noida, (Uttar Pradesh)–India.

Dr. Dhananjay Singh
Assistant Professor, ECE

Farewell

Best wishes to faculty members
Dr. Surya Deo Choudhary,
Mr. Jitendra Saroj and Ms. Khyati Kandpal for their future endeavours.

Thanks for your Contribution to the ECE Department.

Faculty Achievements

Faculty Patents

Sl. No.	Patent Application No.	Inventor Name	Title Of The Patent
1	202111017841	Dr. Shilpee Patil	Integrated Solar Panel as Per Sun Direction Using AI- Based Programming System
2	202111033686	Dr. Garima Shukla	Robotic System for Hospital
3	346936-001	Dr. Garima Shukla	Whiteboard With Cleaning Wiper
4	201911043917	Dr. Garima Shukla	Novel in AIAs/InGaAs/GaAsSb type-II nano- heterostructure for optical fiber communication and a design
5	2021101734	Dr. Laxman Singh	Smart Healthcare Solutions for Patient Monitoring And Predicting Pathological Status Using AI and IoT-based
6	2021101242	Dr. Laxman Singh	Women Safety Hidden Malicious Chip Using Deep Learning and IoT Based Technology
7	202111022490A	Dr. Laxman Singh	IoT Based Smart Healthcare Solution for Predicting Severity Prognosis in Heart Patients Using Machine Learning
8	2021101257	Dr. Laxman Singh	Usb: Auto Data Store your Gmail and Link Share Your Mobile No.) Using AI- Based Programming
9	202111040153A	Dr. Laxman Singh	IoT Based Smart Healthcare Solution for the Prognosis of Skin Cancer
10	202111025066	Dr. Pavan Kumar Shukla	Wideband Circular Patchslotted Microstrip Antenna for 5G Mobile Application
11	202141024377	Dr. Pavan Kumar Shukla	Printed Patch Antenna with Fractal Geometry For Low Band 5g Frequencies Ranging 25ghz To 35 Ghz

Faculty Awards

Sl. No.	Name	Name Of Awards/Cash Price Received
1	Mr. Devendra Pratap Singh	Star Performer of the Year (Academic) 2021
2	Mrs. Kanika Jindal	Star Performer of the Year (Student Welfare) 2021
3	Dr. Laxman Singh	Research Paper Cash Price: 36000/-
4	Dr. Shilpee Patil	Research Paper Cash Price: 30000/-
5	Mr. Niraj Agarwal	Research Paper Cash Price: 10000/-
6	Mr. Vijay Kumar Pandey	Research Paper Cash Price: 10000/-
7	Mr. Dhananjay Singh	Research Paper Cash Price: 8000/-

Faculty Research Papers

Sl. No.	Year	Document Title	Authors	ISSN	Journal Title	ECE Faculty
1	2021	Highly-efficient OLED with cesium fluoride electron injection layer	Kumar P., Agrawal N., Pandey V.K., Gautam A.K., Sharma S.K., Chaudhary S.D.	381101	Solid-State Electronics	Dr. Niraj Agrawal, Dr. V. K Pandey, Dr. S.D. Chaudhary
2	2021	Analysis and design of inclined fractal defected ground-based circularly polarized antenna for CA-band applications	Gupta S., Patil S., Dalela C., Kanaujia B.K.	17590787	International Journal of Microwave and Wireless Technologies	Dr. Shilpee Patil
3	2021	A low-profile circularly polarized microstrip antenna using elliptical electromagnetic band gap structure	Patil S., Verma A., Kumar Singh A., Kanaujia B.K., Kumar S.	17590787	International Journal of Microwave and Wireless Technologies	Dr. Shilpee Patil
4	2021	A simple and compact broadband circularly polarized circular slot antenna for WLAN/WiMAX/DBS applications	Patil S., Singh A.K., Pandey V.K., Kanaujia B.K., Pandey A.K.	161136	Frequenz	Dr. Shilpee Patil, Dr. V. K Pandey
5	2021	Reliability prediction analysis of aspect-oriented application using soft computing techniques	Kumar P., Singh S.K., Choudhary S.D.	22147853	Materials Today: Proceedings	Dr. SD Choudhary
6	2021	Hexa-band pattern reconfigurable antenna with defected ground plane	Singh G., Kanaujia B.K., Pandey V.K., Gangwar D., Kumar S.	207217	International Journal of Electronics	Dr. V. K Pandey
7	2021	Performance enhancement of circularly polarized patch antenna using slotted circular EBG-based metasurface	Verma A., Singh A.K., Srivastava N., Patil S., Kanaujia B.K.	161136	Frequenz	Dr. Shilpee Patil
8	2021	Design of single-fed dual-polarized dual-band slotted patch antenna for GPS and SDARS applications	Choudhary S.D., Srivastava A., Kumar M.	8952477	Microwave and Optical Technology Letters	Dr. SD Choudhary

Students Corner

Academics (2020-21) Toppers

1st Year Toppers	2nd Year Toppers	3rd Year Toppers	4th Year Toppers
1. Mansi Pandey	1. Mohd Shayan	1. Nancy Agarwal	1. Shruti Sharma
2. Shudhanshu Ranjan	2. Chetana Rathour	2. Muskan Singh	2. Shweta Sharma
3. Shikher Saxena	3. Ritika Shukla	3. Vaishali Singh	3. Kanchan Kumari

Sports and Cultural Events Winners

Discuss Throw

Aktu Zonal Sports Fest:

22nd - 23rd November 2021

Suchit Bhardwaj
Student of ECE III YEAR
Won SILVER Medal

Mind Fizz

A quiz based upon basic knowledge about science, sports and current affairs consisting of 35 questions.

NIET Tech Fest

27th November 2021
Mindfizz' Winners

1st position
(Student of ECE III YEAR)

Archit Tripati
Roshan Raj
Praveen Kumar

2nd position
(Student of ECE II YEAR)

Pragati Kumari
Sahil Khan
Saket Mishra

Dumb Charades

Dumb charades is a game where in a person enacts the words of a chosen movie and the other participants have to guess it. The person enacting cannot speak or point to a particular object.

NIET Tech Fest

27th November 2021
"Dumb Charades" Winners

1st position
(Student of ECE III YEAR)

Tushar Chaudhary
Aditya Rajan
Shobhna Kumari

Department Cells & Clubs

1. Codetronics

Codetronics endeavours to create a community of students driven by a passion for electronics with innovation through activities as a means for them to learn and challenge what they have learnt. The aim is to turn students into visionaries who can create a better society with their passion for technology.

The idea is to enhance the coding and circuit designing skills and develop an interest among the students for future technology in the field of Electronics and Information Technology.

Codetronics event includes various competitions, seminars, workshops, quizzes and talks.

2. IETE Student Forum

The Institution of Electronics and Telecommunication Engineers (IETE), founded in 1953, is one of the leading Professional Society in India. With the great vision of founder and subsequent forefathers and stalwarts who were the leading lights of the IETE, the students have been devoting and contributing for the advancement of Science and Technology in the fields of Electronics, Communication Engineering, Computer Science, Information Technology and other related subjects. The major focus of IETE is to provide engineering education i.e. Degree and Diploma level certifications to younger generation at affordable cost who can't afford it through regular & private engineering institutions at exorbitant cost. IETE has got two streams of student base. First wing is the students of alma-mater, IETE, viz, the alumini of DIPIETE, AMIETE and ALCCS. For them we have an Alumni Association formed in 2013 and the Second one is the Engineering students studying in Engineering Colleges and Polytechnics across the Country. This wing is the ISF (IETE Students Forum). More than 550 live ISFs are functioning in India today with a student membership of more than 60,000.

Coursera Courses

An Online Learning Platform

NIET aims to move towards blended education as it is important and valuable for our students to help "change their perspective" towards new education paradigm. NIET has partenered with Coursera to deliver online learning in order to equip students with a "broad range of courses" on an "established international platform". A huge library of e-certification courses have been provided to students and faculty members which are authored by world class university and industry educators across the world like Google, IBM, Amazon, facebook, University of Michigan, University of California and many more.

- Introduction to Artificial Intelligence (AI)
- Python Basics
- IoT Devices
- Python Classes and Inheritance
- Data Structure
- Design-Led Strategy: Design thinking for business strategy and entrepreneurship
- The Arduino Platform and C Programming
- The Raspberry Pi Platform and Python
- Programming for the Raspberry Pi

Welcome to NIET Faculty Learning Program
Start learning on Coursera!

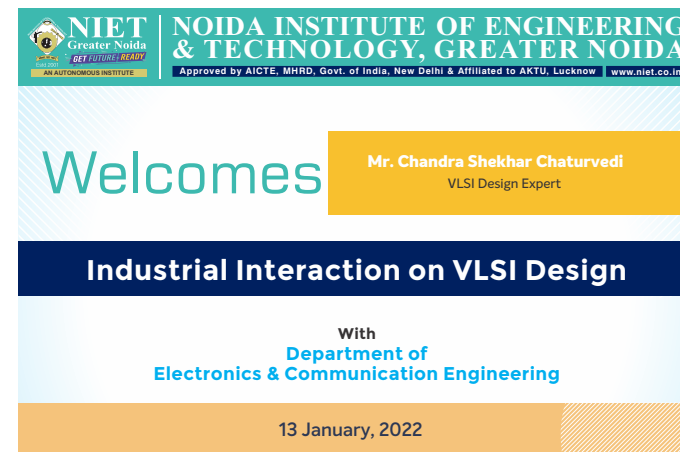## Industrial Interaction on VLSI Design

13th January 2022

Mr. Chandra Shekhar Chaturvedi, who has a rich experience of more than eighteen years work in reputed companies of VLSI Design (ST Microelectronics, Intel, LSI & Mentor Graphics) presented his views on recent trends in VLSI Design.

1. Mr. Chaturvedi stressed on reduction of the content of VLSI Technology part in PE1(Being theoretical) and suggested to add scripting in the syllabus.
2. Mr. Anshuman suggested inclusion of subject Testing and Testability (DFT). Mr. Chaturvedi agreed to incorporate this.
3. Internship should be provided to the trained students for last semester or for hands on practice & training with FPGA kit.
4. Mr. Chaturvedi Stressed upon the practice of the following flow. Code Synthesis, Simulation (FPGA implementation software) Dr. Vinod M Kapse and Mr. Chandra Shekhar agreed to the above and confirmed the use of Xilinx software.
5. Mr. Kumod Gupta and Mrs. Nidhi Sharma discussed the software mentor graphics and Tanner EDA tool.
6. Mr. Chaturvedi also discussed Analog and Digital bifurcation of "VLSI Design".

XILINX cādence

NIET Greater Noida	NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY, GREATER NOIDA
	Approved by AICTE, MHRD, Govt. of India, New Delhi & Affiliated to AKTU, Lucknow	www.niet.co.in

Welcomes

Mr. Chandra Shekhar Chaturvedi
VLSI Design Expert

Industrial Interaction on VLSI Design

With
**Department of
Electronics & Communication Engineering**

13 January, 2022

Industrial Interaction on 5G

22nd January 2022

The theme of discussion was course syllabus and centre of excellence on 5G technology for wireless communication. 5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices.

Special Invitee

1. Mr. Dharmendra Kumar (Industry Expert- IoT and connectivity Professional), he has more than 18 years experience in network development, IoT, wireless connectivity, GSM 2G/4G.
2. Dr. Shashank Tiwari (Industry Expert- Nokia), he completed has a doctorate degree from IIT Kharagpur. He is currently working in Nokia Bell Lab.

NOKIA   ARIHANT GROUP

Agenda

A discussion on the following criterion:

- ✓ Syllabus design
- ✓ Centre of excellence
- ✓ Advance telecommunication lab
- ✓ Industry based training on 5G technology
- ✓ Research and Innovation
- ✓ Project and Placement
- ✓

FDP on IoT

5 Days Faculty Development Program on "Exposure and Readiness of IoT Deployment".

7th to 12th February 2022

The Department of Electronics and Communication Engineering, along with NIET-IIC have organized a 5 Days FDP on "Exposure and Readiness of IoT Deployment" for the faculties of different department of NIET. Experts from industry, academia and research community from India delivered sessions on various aspects with the main objective of focusing on emerging technology in IoT and its various applications along with further research direction in this domain.

Features of FDP

The objective of this FDP is to focus on emerging technology in IoT and its various applications along with further research direction in this domain. This event will be immensely useful for those faculty members and researchers who are taking the subject and carrying out their research work in this field.

The session started with the basic understanding of IoT and moved on the concept of using various software in many domains of Electronics and Communication field. Moreover, the live training session on each important session was also demonstrated.

Every session was very interesting and interactive and 90 faculty members attended this useful FDP enthusiastically.
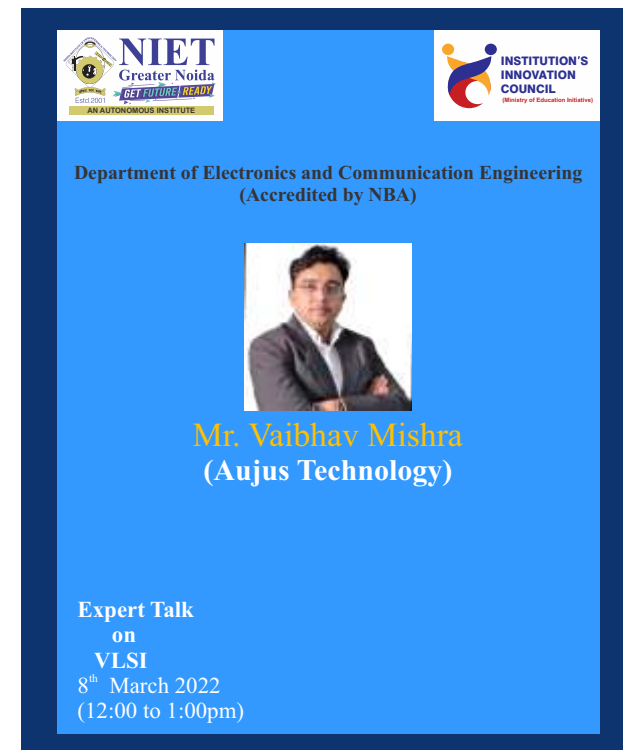
Expert Talk on VLSI

The Department of Electronics and Communication Engineering organized an expert talk on VLSI for students to discuss the scope and recent trends in VLSI. The different topics like FPGA, CPLD, SoC were discussed.

8th
March 2022
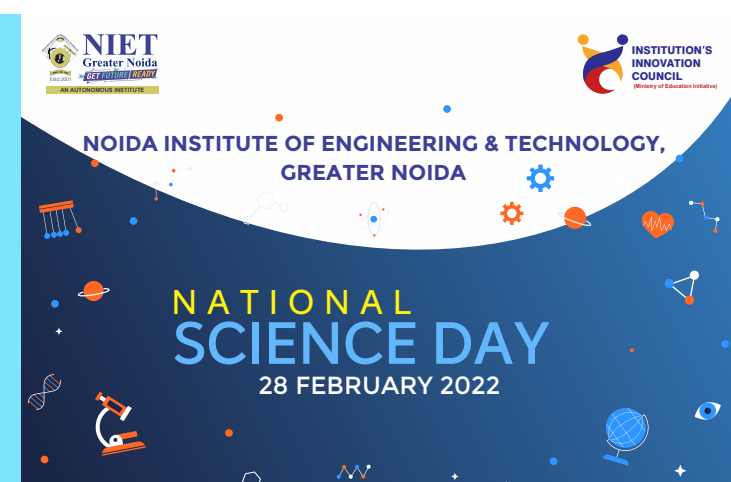
National Science Day

The Department of Electronics and Communication Engineering, organized an online quiz on the National Science Day i.e. 28th February, 2022. There were 10 questions which was related to science and technology and was organised for all the branches of NIET for third year students. The National Science Day is celebrated in India on 28th February each year to mark the discovery of the Raman effect by Indian physicist Sir C. V. Raman on 28th February 1928. For his discovery, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930. All the winners (5 teams) of project exhibition held on National Science Day were from the ECE department.

Under the Institute's Connect Program, Department of ECE celebrated International Women Day's on 8th March 2022. International Women Day's is a big event and is celebrated to commemorate the cultural, political, and socioeconomic achievements of women. The day emphasizes the women's rights movement and brings attention to several issues such as gender equality, reproductive rights, and violence and abuse against women.

8th
March 2022

Women Empowerment Program

Our Faculty Members initiated a program for women Empowerment in Neemka Village. Women empowerment aims for promoting women's sense of self-worth, their ability to determine their own choices, and their right to influence social change for themselves and others.

SIH 2022 brings the next generation evolution by inclusion of new methodology to inculcate the culture of startup and innovation ecosystem across different age groups.

Winner: THE ROBOTRONS Team From ECE Department

10th
March 2022

The Department of Electronics and Communication Engineering, along with NIET-IIC organized an Expert Talk on "Power of Innovation to build Career" for the student and faculty of Electronics and Communication Engineering Department of NIET. Experts from industry delivered a session on Innovation.

The objective of this Expert Talk is to focus on Innovation in Electronics and Communication Engineering. This event was immensely useful for the students and faculty members who are in research. The session was very interesting and interactive and 150 students and 10 faculty attended this useful Expert Talk with high enthusiasm.

The Department of Electronics and Communication Engineering organized a discussion on 5G technology for wireless communication. 5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices.

Under the Institute Connect Program Depatment of ECE has organised an industrial visit to the Telecom Network Services on 12th March in the academic year 2021-22 .In this visit selected 28 students of third year visited along with two faculty members Mrs. Sarabjeet Kaur and Mr Himanshu Yadav of the department who co-ordinated between the student and the TNS (EDuWE).

12th
March 2022

Telecom Network Solutions Private Limited (TNS) is centered around giving solid Operations and Management Services for both Active and Passive segments of the Cellular Network and represents considerable authority in giving these arrangements on a settled cost premise. TNS has been propelled by a gathering of telecom experts with demonstrated skill and business.

Our students went to the TNS company on 12th March, Saturday by college bus at 10:00 am and visited the place. They had an interaction on different aspects of working in the field of networking with the TNS team. Dr. Dhirendra guided the students by discussing how the field of electronics and networking is related. Mr. IR Pant MD sir ,TNS Noida also inspired the students on outcome based learning. After completing the visit students came back to the college by 4:30 pm. The visit was very fruitful in preparing the students for the industry in the future.

Alumni Interaction Session

The Department of Electronics and Communication Engineering, along with NIET-IIC organized an "Alumni Interaction Session" for the third year students. Alumni from industries Oracle India, Samsung and Nokia delivered talks in the session.

26th
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Features of Alumni Interaction Session

The objective of this session was to understand the need of the industry in the immerging wireless technology. This event was immensely useful for students who are interested in making their career in Wireless Communication field. Along with career guidance, an interesting technical topic named as "Radio Access Network" was also discussed. The session was very interesting, interactive and 40 students of 5G course attended this enthusiastically.

Spiritual Visit to ISKCON Noida

NIET was represented by the HOD of ECE and falicitated at ISKCON Noida the promotion of spiritual education on 27th March 2022. Spirituality defines purpose of life, promotes peace and harmony, social organization, improves mental and physical health. The Seminar was followed by guest felicitation, thematic play, Mantra Rock and delicious dinner prasadam.

Top Placed Students (Batch 2022)

Sl. No.	ROLL NO.	STUDENTS NAME	PLACED FOR	PACKAGE (LPA)
1	1813331001	Abdullah Sharjil	HashedIn by Deloitte	7.85
2	1813331076	Nidhi Agnihotri	UHG - Optum	7.5
3	1813331117	Shreya Singh	HashedIn by Deloitte	7.13
4	1813331056	Ishan Mishra	HashedIn by Deloitte	7.13
5	1813331052	Harsh Kumar Choudhary	Accenture (Advance)	6.5
6	1813331078	Nikhil Kumar Choubey	Byju's	6
7	1813331049	Harsh Raj	Apisero	5.1
8	1813331145	Vikas Mishra	Apisero	5.1
9	1813331149	Yuvraj Singh	Areteans(PEGA)	5
10	1813331010	Aditya Kumar Gupta	Areteans(PEGA)	5