

**NOIDA INSTITUTE OF ENGINEERING  
& TECHNOLOGY, Greater Noida**

**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING**



# SAMPRESHAN

## THE NEWSLETTER

### Institute Ranking



42nd Rank in Pharmacy  
101-150 Rank Band in Engineering



CSE|ECE|ME|BT  
IT|B.PHARM|MBA|MCA



ACCREDITED AS  
"GRADE A" 3.23



AWARDED WITH "DIAMOND"  
BY QS I-GAUGE  
(Engineering & Pharmacy)



NIET is the first private institute in Uttar Pradesh to achieve autonomous status by UGC. We are committed to provide quality education and empowering our students with future-ready skills. Let's explore new possibilities, innovations, and become independent together.

**NIRF RANKING 2023**

**NOIDA INSTITUTE OF ENGG. & TECHNOLOGY  
GREATER NOIDA**

**RANKED AMONG TOP 50 IN INDIA**  
Among Pharmacy Institute

**RANK BAND 101-150 IN INDIA**  
Among Engineering Institute

**Thank you all NIETians, Faculties, Staff & Well wishers**

**THINK PLACEMENT, THINK NIET**

## INSTITUTIONAL ACHIEVEMENTS NIRF RANKING 2023

A pioneering spirit  
that breaks  
boundaries!  
We are humbled to  
announce our massive  
improvement in the  
NIRF Ranking 2023.

Thanks to our  
incredible students,  
dedicated faculties,  
and hardworking staff  
for helping us to  
achieve a higher NIRF  
Ranking!

## EXTRAORDINARY LEADERSHIP AWARD

We are proud to  
announce that NIET,  
Greater Noida has  
secured 4th rank in  
India & 1st rank in  
Uttar Pradesh under  
the category of  
'Extraordinary  
Leadership' in the  
Education World  
Grand Jury India  
Education Ranking  
2023-24.

**NIET Greater Noida**  
GET FUTURE-READY  
ESTD 2001  
AN AUTONOMOUS INSTITUTE

**Congratulations!**  
for securing  
**4th** rank in India for  
**EXTRAORDINARY LEADERSHIP**  
By the **Education World** Grand Jury India  
Education Ranking **2023-24**

**UTTAR PRADESH  
1st RANK**

**NIET**  
39<sup>th</sup> Rank in Pharmacy  
145<sup>th</sup> rank in NIET Engg. Institute

**NBA** Accredited  
(CSE, ECE, ME, IT, Biotechnology,  
B.Pharm, MBA & MCA)

**NAAC 'A' (Grade 3.23)**  
Accredited

**THINK PLACEMENT, THINK NIET**



आशीष पटेल

मन्त्री  
प्राविधिक शिक्षा एवं उपभोक्ता मामले  
उत्तर प्रदेश



अ.श.प.सं. 1413 सीआईटी/मंत्रालय/उपभो/23  
विधान भवन, मुख्य भवन, कक्ष सं. 86, 87  
दूरभाष : कार्यालय : 0522-2238124  
आवास : 0522-2235211  
आवास : 1-ए, माल एवेन्यू, लखनऊ  
दिनांक : 28/07/2023



### MESSAGE

I am happy to know that the Department of Electronics and Communication is bringing its Electronic Newsletter – SAMPRESHAN, Volume 2, Issue 1, July 2023 that will showcase the events and happening of the ECE Department, Noida Institute of Engineering & Technology, Greater Noida. I am confident that NIET-ECE Department will reach 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.

(Ashish Patel)

प्रो० जय प्रकाश पाण्डेय

Prof. Jai Prakash Pandey  
Vice Chancellor



डॉ० ए०पी०जे० अब्दुल कलाम प्राविधिक विश्वविद्यालय  
उत्तर प्रदेश, लखनऊ  
Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
Uttar Pradesh, Lucknow



Dated : 31 July, 2023

### Message

I wish to congratulate the Department of Electronics and Communication, Noida Institute of Engineering and Technology for bringing out their Electronic-Newsletter - SAMPRESHAN, Volume 2, Issue 1, July 2023. The newsletter is a testimony to all the quality teaching and research happenings in the Electronics and communication Department. It is a commendable effort that will bring quality to the department and show case their events. I look forward to reading about the various activities, achievements and articles on the department issues in the newsletter. Congratulations to the editorial team of faculty and students for their initiative and I wish them luck.

Best Wishes to the SAMPRESHAN Team.

(Prof. Jai Prakash Pandey)  
Vice-Chancellor

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☎ (Office) : +91 522 2772189, 2772194 E-mail : [vc@aktu.ac.in](mailto:vc@aktu.ac.in)



**Dr. Sarojani Agarwal**

Message from Hon'ble Chairperson, NIET



**Dr. Om Prakash Agarwal**

Message from Hon'ble Managing Director

It gives me immense pleasure to know that Electronics and Communication Engineering Department is bringing out its Electronic Newsletter - SAMPRESHAN, Volume 2, Issue 1, July 2023". This newsletter will be a mirror to the all-round developments and the dynamism of the department. Today, we are proud that ECE Department, focussed education, Activities that attracts the best students. With inputs from all members of the department I am sure that it will be both an attractive and stimulating news production I wish all good luck to the complete ECE Department & editorial team of "Electronic Newsletter-SAMPRESHAN, Volume 2 "

## Blessings from

# NIET Management



**Dr. Neema Agarwal**

Hon'ble Additional Managing Director



**Dr. Raman Batra**

Hon'ble Executive Vice President

Welcome to the new Newsletter of the Department of Electronics and Communication NIET, Greater Noida. The fact of launching the "Sampreshan"-2k23 edition by the faculty, staff and students of ECE department of Noida Institute of Engineering and Technology gives me immense pleasure. It is indeed a matter of pride and satisfaction having this newsletter which showcases the progress in the areas of academic, extracurricular, faculty and students' achievements of the department. "Sampreshan"-2k23 is focused on all sorts of activities undertaken by a department and opens the opportunity to enhance the writing skills among the members. This will not only benefit the students with information of their departmental achievements but also motivate and aspire others to know the heights achieved by the ECE department. I congratulate the Editorial Board of this Newsletter who have played a wonderful role in accomplishing the task in record time.

Also, my heartfelt congratulations to staff members and students for their fruitful efforts.

## Wishing you All the Best!



**Shri. Praveen Soneja**

Message from Director General

“ I Congratulate to the whole team of faculty and students for their initiative of Electronics and communication Department which beautifully captures the soul of Electronic Law Newsletter – SAMPRESHAN Volume 2, Issue 1, July 2023 will showcase the events and happening of the Electronics and Communication Department at Noida Institute of Engineering .The ECE Department has developed creative forums and the coordinated efforts of the students and faculty will also bring the necessary connect and bonding. I am sure that the newsletter will become a must-read chronicle on happenings around us. Best Wishes to the SAMPRESHAN Team. ”



**Dr. Vinod M. Kapse**

Message from Director

“ It is a great pleasure for me to know that Department of Electronics & Communication Engineering of Noida Institute of Engineering and Technology is going to publish their departmental Newsletter "Sampreshan"-2k23 to explore the activities of the department. I do hope this will cultivate and inspire all the faculty, staff and students and education lovers. I wish its successful propagation. My heartiest Congratulation to all SAMPRESHAN Team for successful releasing of Volume-2, Issues-1 of 2k23 and best wishes for SAMRTESEHAN Volume-2 for the 2k23. ”



**Dr. Pavan Kr. Shukla**

Message from HOD, ECE

“ I am very happy that our Electronics & Communication Department is releasing Volume-2, Issues-1 of 2k23 of 'SAMPRESHAN' as a forerunner of department activities. It is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well-qualified and dedicated faculty who are continuously supporting the students with their academic excellence. We have arranged several industrial visits and workshops for our 2nd, 3rd and 4th year students in this semester. Let us work together for the continuity of this achievement. I take this opportunity to congratulate our faculties. My warm wishes to SAMPRESHAN editor team to their efforts for successful completion of 2023, Volume-2, Issues-1 newsletter and the Best Wishes for the next. ”



# DEPARTMENTAL EVENT

## Winter Training School

### Applications of ARM Processor & Controller in Various Domains

2 Jan 2023

Enthusiastic students of the department of Electronics and Communication engineering utilize the additional facilities beyond their curriculum programs during their winter vacation. It provides them various industry aspects for their career. Department of Electronics & Communication Engineering organizes One Week Advanced Facility Workshop on "Applications of ARM Processor & Controller in Various Domains" from 2nd January 2023 to 6th January 2023 Under Winter Training School.

The objective of this workshop was to acquaint the participants with to understand the state of art in ARM Processor based Embedded System design. The student will be able to do programming in embedded programming in C, C++. Also, students were made aware about industries and optimum career opportunities in the various domain of ECE through Innovative ideas.

The event was highly focused on encouraging the young students and to develop innovative and creative thinking in the field of IoT & Embedded Systems using ARM processor & controller. By this workshop, students will be able to grasp a overall knowledge about System on Chip (SoC), Signal processing, IoT & finally embedded system. Students get benefited by practical exposure of Arduino Uno, 8051 microcontroller & MSP430 microcontroller. Students get a exposure of software as well as hardware.





# A DAY FOR THEM BY WE CARE CLUB

## Rainbow School.

28 Jan 2023

We celebrated the birthday of the members of the club at the school and the aim was to perform social awareness activities with the kids of the school. Kids got to know about how to keep environment safe.

1. Kids knew about the concept of 3R (Reuse, Recycle, Reduce)
2. Kids were happy to celebrate the birthday of their seniors.
3. Personality development of the kids were boosted.
4. We Conducted several fun & social awareness activities such as storytelling, poster making racing, musical chair etc.

Stationary gifts such as number posters, Cursive writing book, Painting book , colours ,Copies etc. were given to around 100+ kids of the school.

**GGC presented plants & handmade products to HOD ,ECE & faculty members.**





# Two days Science and Engineering Competition “Anveshana” at Pragati Maidan

## NATIONAL LEVEL PARTICIPATION

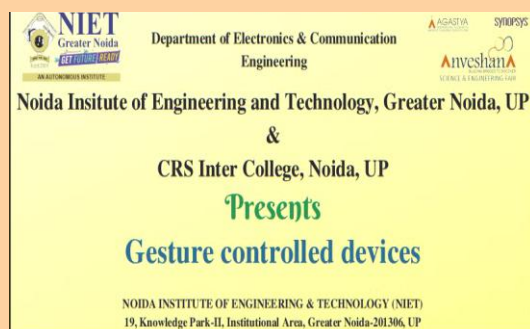
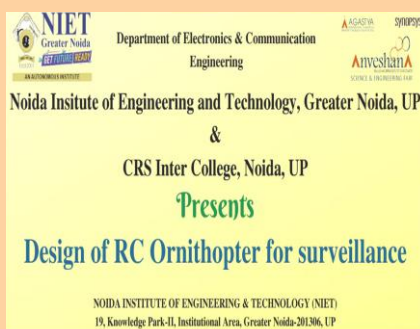
9-10 Feb 2023

**"Novel Strategies and Innovative technologies in Waste Management for a Sustainable Development" under Anveshana Science and Engineering fair 2022-23 on 9th and 10 February 2023 at National Science Center, Pragati Maidan**

Two teams of final year ECE students along with their mentors represented NIET in the National level Science and Engineering fest "Anveshana" organized by Agastya International Foundation and Synopsys under the theme "Novel Strategies and Innovative technologies in Waste Management for a Sustainable Development" under Anveshana Science and Engineering fair 2022-23 on 9th and 10 February 2023 at National Science Center, Pragati Maidan, Delhi. These students also mentored the school students to participate in the model presentation events in the ceremony. We are proud of them.

The objective of this event was to develop innovation and creativity among students from engineering colleges and nearby disadvantaged schools in Hyderabad and Karnataka and to facilitate process of mentoring between engineering students and school students while they plan, design and make the models together

Benefit in terms of learning/Skill/Knowledge obtained Expected to create ideas for over 100 models of which about 40 would be short listed for final prototyping and evaluation 200 School Students will undergo direct training in model making thus improving their design, conceptualizing and leadership skills. In addition will receive training in soft skills viz. Teamwork, Communication, thus improving their confidence level.





# EXTEMPORE

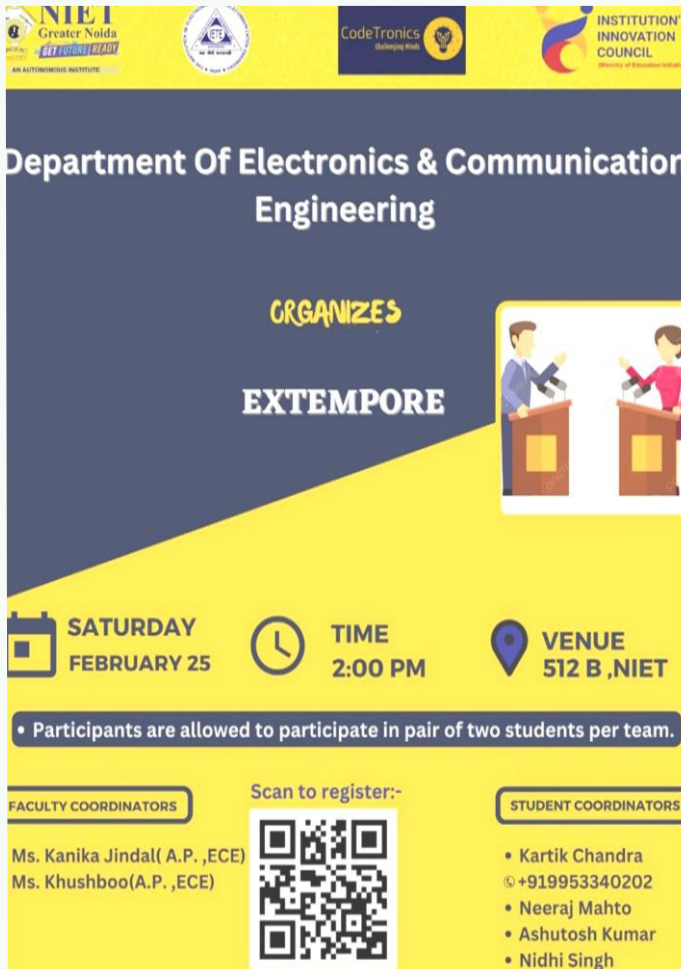
## By Codetronics

25 Feb 2023

This event was conducted to evaluate and judge a person's speaking ability, the flow of their thoughts, and the way they communicate their ideas. An approach to practice communication and time management skills.

The event was highly focused on encouraging the young students to develop innovative and creative thinking. It encourages students to think quickly and creatively. Students actively participated in the event with their extraordinary thoughts and expressed their ideas with each other.

At the end of the event there were two winners selected by the judge and the event was full of energy.



The poster is for an Extempore competition organized by the Department of Electronics & Communication Engineering at NIET Greater Noida. It features logos for NIET, Codetronics, and the Institution Innovation Council. The event is scheduled for Saturday, February 25, at 2:00 PM in Venue 512 B, NIET. A QR code is provided for registration. Faculty coordinators are Ms. Kanika Jindal and Ms. Khushboo. Student coordinators listed are Kartik Chandra, Neeraj Mahto, Ashutosh Kumar, and Nidhi Singh. A note states that participants are allowed to participate in pairs of two students per team.

**Department Of Electronics & Communication Engineering**

**ORGANIZES**

**EXTEMPORE**

**SATURDAY**  
FEBRUARY 25

**TIME**  
2:00 PM

**VENUE**  
512 B ,NIET

• Participants are allowed to participate in pair of two students per team.

**FACULTY COORDINATORS**

Ms. Kanika Jindal( A.P. ,ECE)  
Ms. Khushboo(A.P. ,ECE)

Scan to register:-

**STUDENT COORDINATORS**

- Kartik Chandra  
+919953340202
- Neeraj Mahto
- Ashutosh Kumar
- Nidhi Singh





# HOLI CELEBRATION IN ECE

## Department

6 March 2023

### Glimpse of Holi celebration in Department of Electronics and Communication Engineering

Holi is a colorful and vibrant celebration of love, unity, and the power of good over evil. The ECE department celebrated Holi with great enthusiasm and joy. The department was decorated with colorful banners, balloons, and streamers to create a festive atmosphere. It was ensured that the colors used were safe and non-toxic. The celebrations kick started with sharing of sweets. Cultural programs and Charity drives were organized to showcase the spirit of Holi. Faculty members participated in the event with full enthusiasm.

While playing with colors, everyone also danced to the Hindi tunes of Holi which was being played loud enough at the playground so that everyone outdoors could rejoice.

Wonderful and memorable photographs were taken of the event.





# WORLD ENGINEER'S DAY CELEBRATION by ECE Dept.

## PROJECT EXHIBITION

3 March 2023

**"Young minds are the greatest innovators",**

Department of Electronics and Communication Engineering conducted a final year students Project Exhibition. There were number of projects of various fields like Cloud Computing, Big Data Analysis, Image Processing, Network Security, Data Mining, Android Applications, RASPBERRY PI, Wireless Sensor Networks, E-Governance, Robotics, Web-services, E- Commerce, Mobile Applications, ERP and Healthcare. Students of the Department of ECE, NIET have come up with innovative and socially relevant projects expected to provide a breakthrough in electrical and allied domains.

Major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning experience.

The outcome of the Project Exhibition is to show students innovative projects at a higher level and the process boosted their confidence.





# GRAND LAUNCHING OF AEROBOTS, by ECE DEPT.

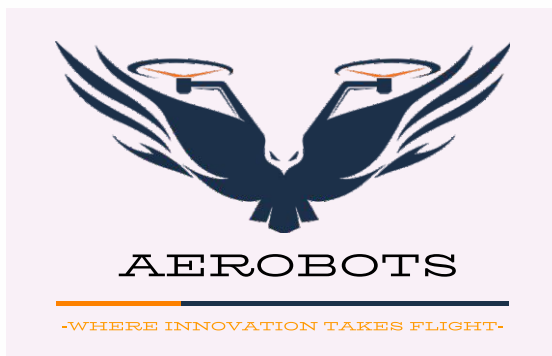
17 March 2013

A new club has been introduced by the ECE Department "AEROBOTS". AEROBOTS, specially dedicated toward learning and making other people learn about Drone Technology. Aerobots allows students to apply theoretical knowledge in meaningful practical applications. Students develop their non-technical skills through various activities such as drone carnivals, Workshops, competitions and collaboration with other clubs. With the objective of encouraging students to obtain sound knowledge in the fields of modern engineering applications Aerobots is established.

The club aims to technically strengthen the students by integrating their skills in the various fields of Engineering & technology, to cope up with the highly competitive environment. This club is introduced so that student may take advantage of this club in gaining knowledge about new technology and enhancing their skills.

On the occasion of the launching of this new club, all members of his club including faculty and students were present along with the faculty of the department.

All year students were invited to join us on this occasion.





# TECH UTSAV 2023

## Mind Fizz By Codetronics

24 March 2023

To evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the prospects of quizzes and the objectivity of the questions. To inculcate critical thinking, innovative learning and team building among students.

The event encouraged students to participate as a team. The activity fostered a sense of innovation and creativity through team building. Through the activities, not only do they cultivate teamwork, but they also have fun doing so.

The Department of Electronics & Communication under Codetronics, NIET, Greater Noida organized a technical event 'Mind Fizz' on 24th March 2023. The students participated as a team of two or three. The competition consisted of two rounds. The first round was a quiz in which general questions were given. Depending on the number of correct answers they were selected for the second round. In the second-round participants have mind fizzing activities which were comprises of Sudoku and Jumble words.

Enthusiastic students of the Department of Electronics and Communication Engineering successfully organized a Mind Fizz event to participate and to enhance analytical skills as well as to win exciting prizes! Mind Fizz event was organized under the banner of CodeTronics Club during NIET annual tech fest 'Ebullience- 2k23' (24 & 25 march 2023). The theme of this event was based on general knowledge as well on wonderful mind tricks test to train student's mind with incredibly fun questions.





### CodeTronics

(Department of Electronics & Communication Engineering)

Presents

# MIND FIZZ

An Exciting & Mind Fizzing game for the engineers!

#### Rules of the Event

1. The event comprises of two rounds.
2. First round- Quiz & Second Round -Mind Fizzing activity.
3. Registration open for all Branches and all Year.
4. Team strength of 2-3 members.

#### Link to register



<https://bit.ly/3K0C19u>



24th March



9 AM

#### Student Coordinators

- Shobhna Kumari (3rd Year)
- Neeraj Mahto (3rd Year , 9354365304)
- Ashutosh Kumar (2nd Year , 8863859191)

#### Faculty Coordinators

- Ms. Kanika Jindal (A.P., ECE)
- Mr. Himanshu Yadav (A.P., ECE)
- Ms. Swarnima (A.P., ECE)








# SCIENCE BREAKER BY CODETRONICS

24 MARCH 2023

The event encouraged students to participate as a team. The activity fostered a sense of innovation and creativity through team building. Through the activities, not only do they cultivate teamwork, but they also have fun doing so.

The Department of Electronics & Communication under Codetronics, NIET, Greater Noida organized a technical event 'Science Breaker' on 24th March 2023. The students participated as a team of two. The competition consisted of two rounds. The first round was a puzzle solver in which equations or questions were given whose solution lead to a room number where the participants were given a packet. There was a jumble word which was used as a code for the packets. In the second-round participants received a packet which contained circuit components. Using these components, the participants build up a circuit within a given time limit.








**CodeTronics**  
(Department of Electronics & Communication Engineering)  
*Presents*  
**SCIENCE BREAKER**  
(Break the science and win the Game!)

**Rules of the event**

- The event comprises of two rounds.
- First round - Find the components and
- Second round - Design Circuit using components.
- Registration open for all Branch and all Year.
- Team strength of 1-2 members.

**Registration Link**  
  
<https://bit.ly/3HGLmb>

 **24th March** **11 AM**

**Student Coordinators**

- Karik Chandra ( 3rd Year , Mob. - 9953340202 )
- Shomya Kumari ( 3rd Year )
- Nidhi Singh ( 2nd Year )

**Faculty Coordinators**

- Ms. Kanika Jindal ( A. P. , ECE )
- Ms. Khushboo ( A. P. , ECE )





### Renowned Professionals

19 April 2023

Real Engineering can be achieved only with the academic excellence poured in Industrial expertise. ECE department, NIET welcomes the renowned professionals from Capgemini Engineering with rich experience in 5G domain for the interaction with our students. We welcome Mr. Praveen Goel, Senior Director, SFS group, Capgemini Engineering, Mr. Pankaj Negi, Director Engineering and Mr. Vikram Malik, Senior Project Manager, Capgemini Engineering to our Institute.

An Interactive Preplacement drive for NIET ECE students, 2024 batch by Capgemini Engineering in 5G domain has been held on 19th April 2023 at the department. The department wishes all our students of batch 2024. A great success in their coming time of placement drives. The objective of this interaction programme was to make students' industry ready by improving their technical skills, provide students with an overview of the opted technical workshop, will help students to apply the technology in their projects and in the real world. Imparting intensive technical knowledge in a short amount of time. Helping the students understand what methods and applications the industry works on are sought. A hands-on workshop helps participants to be more confident in the learning domain. Imparting practical knowledge that you can use right away!





# Drone Carnival by Aerobots

21 April 2023

The Department of Electronics and Communication Engineering and Department of Mechanical Engineering has conducted the Drone Carnival and the resource persons were Mr. Piyush Singh, Mr. Alok Kumar and Mr. Deepak Chander.

The objective of this whole competition was to encourage students to know more about Drone technology. To have healthy competition between students which will encourage them to learn more about technology in an effective way.

Competition allows students to have practical application about the things they have read theoretically. They have made drones according to their creativity. Which enhances them for innovating new ideas.

On April 21, 2023, a drone carnival event has been held by the "AEROBOTS" club by the department of Electronics and Communication Engineering and Mechanical Engineering. In this competition students presented their drone which has different applications and showcase how their drone works. The event was attended by students, faculties and guests. A number of teams participated in this Carnival from various departments which was a great success for us. The objective of this event was to encourage students to learn innovative technical ideas.





# FAREWELL 2K23

19 MAY 2023

A college farewell party is renowned not to simply say farewell to your friends, as you step into another domain of life. It is also an honor to rejoice in all the good times together and wish the greatest for the future. One of the NIET traditions is the farewell dinner for the graduating batch. The evening is one of melancholy, where the soon to be graduates remember the memories of their years in the institution and share their experiences in the farewell function. There are also speeches by esteem faculty members in which they share their sole experiences and pleasing memories with the batch.

A farewell ceremony is incomplete without our blessings, wishes and appreciation on the last day of the students as the time they spent in college represents years of hard work, dedication and sacrifice.

“Dear Students, it is difficult to adequately express the gifts that life has in store for you as you leave your college days behind. May you use those gifts further for the welfare of all the people you meet. We know that you will leave a lasting mark on them and the world. ”

“Set Your Goals high and always dream Big because you are only as big as the dreams, you dare to live. ”

“Happy farewell to all our dear Students of batch 2019-23 (B.Tech. ECE). ”





# WE WILL MISS YOU

Dr. Garima Shukla worked for more than 2 years in Electronics and communication Engineering department as Associate professor.

8 July 2023

“ Thanks, and best wishes for the future of Dr. Garima Shukla. We learned a lot from you! You are indeed an excellent teacher. You've been an important part of the team, Dr. Garima Shukla have inspired so many of us in department to strive to do our work better by working as a team toward achieving the goals. ”



## Mr. Kamal Bhatia

28 June 2023

It's always gives a great sense of pride to work in NIET, Greater Noida. NIET ECE Department has given me so much support and love in past 9 years of my Teaching Professional Journey.

I would like to heartily thanks NIET Management for providing me opportunity and believing me.

Working here in NIET culture gave me the chance to learn, to express myself, to see and understand the goal, and to produce a great deal of success stories.

I had the chance to work with many incredible people including great teachers, great researchers, multi talented and ready to take every challenge and they helped to make the experience so memorable.

I wish great success in future for NIET ECE Department.





# INSTITUTIONAL EVENT REPUBLIC DAY

26 JAN 2023

Freedom has not come easy, it is because of the sacrifices of our freedom fighters, so never take it for granted. Wishing you all a very Happy Republic Day 2023.

On the occasion of the celebration of our 74th Republic Day, let us all stand proud and give respect to our nation.

Republic Day is the day when India marks and celebrates the date on which the Constitution of India came into effect on 26 January 1950. This replaced the Government of India Act 1935 as the governing document of India, thus turning the nation into a republic separate from British Raj.

First of all, Prabhat Pheri has been done by the all the members of NIET. After that flag hoisting was done by EVP "Raman Batra" sir. On the occasion of Republic Day prize has been distributed among the staffs. After all these cultural activities such as dance, song etc. has also been performed by the students and Rainbow school. The function came to end by distribution of sweets among all.





# TABLET & SMART PHONE DISTRIBUTION CEREMONY

8 Feb 2023

We are excited to share with you the latest news regarding the Swami Vivekananda Youth Empowerment Scheme, which was launched by the UP government. On 8th February 2023, tablets were distributed to students of NIET College under this scheme. This initiative aims to provide access to digital education to young individuals who may not have had the resources to do so otherwise. We are proud to be a part of this program and to support the development of the next generation. We were honored to have Dr. Sarojini Aggarwal (MLC, BJP) and Dr. Neema Aggarwal (AMD, NIET) as the chief guests for this event. Their presence added to the significance of this occasion and underscored the importance of empowering youth through education. We are grateful to the UP government for launching this scheme and to our guests for their valuable support. We look forward to continuing our efforts to support education and empower the youth of our community.





# INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND INNOVATIONS

## EmergIN 2023

1<sup>st</sup> -2<sup>nd</sup> March 2023

In recent months, the college has had so many reasons to celebrate—See how our team worked diligently to make each event a success.

The Inaugural ceremony of the International Conference on Emerging Technologies and Innovations (EmergIN 2023) organized by NIET, Greater Noida. NIET held with the welcome of honorable Chief Guest - Prof. Rajive Kumar, Member Secretary, AICTE, Guest of Honor - Prof. Murali Raman, Deputy Chancellor, Asia Pacific University, Guest of Honor - Prof. Rafal Weron, Professor of Management Science. Key note Address - Prof. Nour Shafik Emam El - Gendy, Professor, Environmental Science, Clean Energy and Nano - Biotechnology. General Chair - Prof. Yash Chawla, Assistant Professor, Innovation and Marketing. Guest of Honor - Prof. Anna Kowalska-Pyzalska, Associate Professor of Management Science, Prof. Dimitrios Sotiros, Assistant Professor of Management Science. The event was organized successfully. Faculty members, students and staff participated with full enthusiasm to make this conference a great success.

This conference was co-host by Department of Operations Research and Business Intelligence, Wroclaw tech, Poland and Knowledge Partner - ICT Academy.





# ALUMNI MEET “MILAAP”

13 May 2023

It's no secret that alumni engagement is crucial. Former students who feel connected with their alma mater attend more events, engage more with current students and donate more often. Alumni Meets are a great way to add communication touch points throughout the year.

The Alumni Connection is here to highlight YOUR work leading, creating and advocating for a better world. We created the Alumni Connection to connect you to your NIET colleagues around the world—to discover the innovative work your peers are achieving; the creative content they are publishing and causes they are championing.

## Our goal is to foster a thriving alumni meet by:

Curating interesting content from around the web by and about alumni and developing exclusive content for and by alumni. Informing you of school events to enhance your network and career and delivering world-class research for your personal and professional use offering news notes shared by your colleagues.

Individually, NIETians are remarkable catalysts for good. Collectively, they can create even greater impact. You belong to a community of NIETians delivering exponential impact, pursuing and creating a legacy for good.

Thank you for the work you do. Thank you for representing the NIET well. We look forward to what lies ahead.

## Enjoy the Alumni Connection.

It is wonderful to see NIET, through our Alumni; we bask in the warmth of their glory that keeps us together as one community to pursue serious purposes. For a better connectivity NIET organizes Alumni Meet'23 on 13th May 2023 at its campus.





# ONE WEEK FACULTY DEVELOPMENT PROGRAM ON "OUTCOME BASED EDUCATION"

24 May 2023

In the current scenario, every organization's member is essential, especially for an education hub. Noida Institute of Engineering and Technology (NIET), Greater Noida understands this and knows the faculty members' role is vital in shaping the student's future, thereby regularly conducting the faculty development programs (FDP's).

Changes are at lightning speed; hence faculty members need to adapt themselves accordingly. Therefore, they should get input on teaching techniques and soft skills to remain updated and motivated.

Noida Institute of Engineering and Technology (NIET), Greater Noida has organized a one-week Faculty Development Program on the topic "BLENDED LEARNING TECHNIQUES". Faculty staff is the spine of every educational organization, and their development is an essential element for the student's successful growth. Hence Noida Institute of Engineering and Technology (NIET), Greater Noida regularly conducts Faculty development programs to value and sharpen these educators' skills.

In this series the Department of Electronics and Communication Engineering has scheduled an expert talk on Blended Learning Techniques by the renowned Founder Director of BPIT, New Delhi- Prof. A K Tondon. We welcome prof. Tondon on this occasion for his valuable and informative session for all the NIET faculty members.

This enriching session has helped the faculties to gain insights into the teaching competencies. In the end, the guest recognized the meritorious faculties by felicitating them.





# INTERNATIONAL CONFERENCE & SUMMIT -2023

## EMERGING TECHNOLOGIES IN HEALTHCARE: A NEW TOMORROW

23-24 June 2023

The objective of this NICSET international conference was to bring all the academicians, researchers, students, doctors and industry board members at common platform.

The Conference and Summit will showcase deliberations, innovative concepts, and solutions, preparing the audience to thrive in the modern healthcare arena. This will open the gate for life- long learning and mutual sharing of thoughts with peers in healthcare. It will be a forum to share and exchange the most recent research contributions and identify the practical implications of emerging technologies and their impact on global healthcare.

NIET International Conference and Summit augments the objective and vision of the Government of India in providing affordable and smart healthcare to everyone and is curated for technology experts to identify critical technologies and approaches needed to reshape the world.

The Summit will bring together Executives, Academicians, Directors, Heads of Technology, and Doctors to discuss innovative solutions that will fully exploit the potential of AI, Data Science, AR/VR, Medical IoT, Blockchain, and Bioinformatics in modern healthcare.





# Welcome of New Faculty in ECE Department

July 2023



Dr. Himanshu Sharma

Dr. Himanshu Sharma is presently working as Head (R&D) and Associate Professor in Electronics & Communication Engineering (ECE) Department at Noida Institute of Engineering & Technology (NIET), Greater Noida, Gautam buddh Nagar, Uttar Pradesh (U.P), India. Dr. Himanshu Sharma has worked as a Postdoctoral Researcher Fellow in the field of Industry 4.0 at Aalborg University, Denmark, Europe (QS world ranking #46) from the year 2022 to 2023. He contributed in two European Union (EU) funded projects titled as 5G-enabled Robotics Project and Pipesense project at the highest Technology Readiness Level (TRL-9). His areas of Interest are Indoor Positioning & Navigation, Industrial IoT, 5G, Digital Twins, Wireless Sensor Networks (WSN), Artificial Intelligence, Machine Learning, and deep learning.

presently working as Assistant Professor in Electronics and Communication Engineering(ECE) Department at Noida Institute of Engineering and Technology(NIET),Greater Noida,Uttar Pradesh(U.P),India.She completed her M.Tech in Electronics and Communication Engineering (VLSI Design) from AL- FALAH University and B.Tech (ECE) from MDU ROHTAK University in the year 2013 and 2010 respectively. She is pursuing Ph.D in Artificial Intelligence from Amity University and she had presented research paper of "A new design fractal Antenna for wireless communication" in National Conference.



Ms. Bhawna Khullar



Dr. Hitlendra P. Singh

Currently working with NIET Gr. Noida as an Assistant Professor in the Department of ECE and worked with Dau Dayal Vocational Education & IET Khandari, Agra also Netaji Subhas University of Technology formerly Netaji Subhas Institute of Technology(NSIT) (Govt. of NCT of Delhi), earlier worked with MIET Meerut, Subharati University, and Bharati Teletech Ltd.,New Delhi.I have handled academic and discipline, project evaluation, and coordinator of various lab establishment in MIET. The entire research work is in the field of VLSI design in deep submicron technology regime. The topic of doctoral research was "Improved Crosstalk Avoidance Modeling and Performance Analysis in High speed On-Chip VLSI Interconnects"

Dr Aditya Kumar Singh is presently working as an Assistant Professor in the Department of Electronics & Communication Engineering at Noida Institute of Engineering and Technology (NIET), Greater Noida, Uttar Pradesh, India. He obtained his B.Tech degree in Electronics Engineering from Institute of Engineering and Rural Technology, Allahabad (Uttar Pradesh Technical University, Lucknow) in 2013 and M. Tech. Degree in Advance Electronics & Communication Engineering with specialization in VLSI Design from Dr A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, India in 2016. He qualified Graduate Aptitude Test in Engineering (GATE) 2017.He received his Ph.D degree in 2023 from Department of Electronics & Communication at J.K. Institute of Applied Physics & Technology.



Dr. Aditya Kr. Singh



Ms. Garima Varshney

Ms. Garima Varshney is working as an assistant professor at NIET Greater Noida. She received B.Tech. degree in Electronics and Communication Engineering (ECE) from Aligarh Muslim University and M.Tech. degree in VLSI design and embedded systems from Delhi Technological University, Delhi. She is pursuing her doctorate from DTU. She got the best paper award for her paper at the IEEE conference, iPACT'21. She is a recipient of DTU commendable research award for years 2021 & 2022. Her research interests include fractional-order analog signal processing and signal generating circuits. She has published 12 papers in reputed international journals and international conferences

Dr. Roop Singh is presently working as Associate Professor in Electronics and Communication Engineering Department at NIET, Noida, UP. He was working as a Research Associate at IIT Delhi before joining NIET. He received his B.Tech. degree from Bengal Engineering College, Kolkata, M. E. degree (Hons.) in electronics and communication engineering from MITS Gwalior, and Ph.D. degree from Uttarakhand Technical University, Dehradun. He has also qualified GATE examination in 2009 and 2011 respectively. He has published several papers in high impact factor renowned journals. He has more than eleven years of experience in industry/research/ academics. His research interests include digital image processing, signal processing, and computer vision.



Dr. Roop Singh



Mr. Jaya Nidhi Vashishtha

Mr. Jaya Nidhi Vashishtha. received B.Tech. degree in Electronics and Communication Engineering (ECE) in 2009 from HCST, Farah Mathura, affiliated to UPTU, Lucknow (now AKTU, Lucknow) and M.Tech. degree in VLSI design from NIT, Jalandhar in 2011. He has 12 years of experience in teaching. His last assignment was IMS Engineering College, Ghaziabad. His areas of work include Full custom VLSI design, Transistor based Circuit simulations, postlayout simulations using various tools such as Cadence Virtuoso and Layout XL, Implementation of various circuits such as amplifiers.



## Faculty Achievements

Dr. Pavan Kumar Shukla, HoD-ECE, Technical Program Committee Member Chair on 10<sup>th</sup> International Conference on Signal Processing and Integrated Networks (SPIN\_2023) at AMITY UNIVERSITY, Noida.

| S. No.                 | Title of the Paper/Book                                     | Name                                    |
|------------------------|---|---|
| Dr. Pavan Kumar Shukla | Futuristic Trends in Network and Communication Technologies | Book Editor in IIP Books series, U.S.A. |

## Guest / Expert Lectures delivered .

| Sr. No. | Name of Faculty        | Topic of lecture           | Date       | Place / Event where the lecture was delivered  |
|---------|------------------------|----------------------------|------------|--|
| 1       | Dr. Pavan Kumar Shukla | Outcome based Education    | 20-02-2023 | IIMT College of Polytechnic, Greater Noida   |
| 2       | Dr. Pavan Kumar Shukla | Computing and Data Science | 10-06-2023 | Department of computer Application, Institute of professional excellence & management, Ghaziabad |

## Awards & Accolades.

| Sr. No. | Awards received | Agency  |
|---------|-----------------|---|
| 1       | Session Chair   | At Jaypee Institute of Information Technology, Noida, 8th International conference on signal processing and communication (ICSC) 01 – 03 December, 2022                   |
| 2       | Session Chair   | 2nd International conference on Advancement in electronics & communication engineering, RKGIT, Ghaziabad  |
| 3       | Session Chair   | IEEE Sponsored, International Conferenc on IoT, Communication and Automation Technology (ICICAT 2023), organized by Buddha Institute of Technology Gorakhpur, 24/06/2023. |

|                   |  |                          |
|-------------------|--|--------------------------|
| Dr. Garima Shukla | A Smart IoT and AI Based Cooking system for Kitchen.   | SCOPUS                   |
|                   | Impact of Internet of Things (IoT) in Healthcare: Challenges and Application                                       | SCOPUS                   |
|                   | Detection of Emotions, Height, and Gender Recognition using Deep Learning  | SCOPUS                   |
|                   | Chronic Kidney Disease Prediction Using Machine Learning Algorithms and the Important Attributes for the Detection | IEEE                     |
|                   | Early Detection of Forest Fire Using Deep Image Neural Networks  | IEEE                     |
| Dr. Nidhi Sharma  | Simulation of a piezoelectric bimorph cantilever   | SCI                      |
|                   | Designing Adiabatic Techniques for Logic Circuits.   | Book chapter in springer |



# Heartiest Congratulations to Ayush Gupta



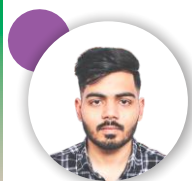
**Ayush Gupta**

“

Enormously grateful to NIET for nurturing my journey, leading to my selection in **Cadence**.  
Profound thanks to dedicated faculty and mentors for a solid foundation in Electronics and Communication Engineering & for constant support. NIET's guidance and diverse opportunities shaped my success. NIET will always hold a special place in my heart as the foundation of my success.

”

## ECE Spark Alumni



**Prakhar Srivastava**

Company- EDA industry  
Designations-

Layout Design Engineer  
Package- 18.5 LPA

2018-22 Batch ECE

.....

“

I'm very grateful to be a part of this college from the very first year of college we have been given best available opportunities. Layout design engineer was never an easy task but because of the great faculty and their support, I have done it. And now working with the market leader company of EDA industry. Thank you so much NIET ECE faculty.

”



**Vishal Tyagi**

Company - Capgemini  
engineering

Designations-

Senior Software engineer

Department- 5G development

Package - 13 LPA

2015-19 Batch ECE

.....

“

I am grateful and lucky to be part of ECE department in Noida institute of engineering and technology. NIET ECE Department provides me wonderfully environment to grow my self. Thanks to faculties and my batch mates for making this journey special.

”



## From the Editorial's Desk

### Warm Greetings to the readers!!

It gives us Immense joy and satisfaction to release the Electronics Newsletter -SAMPRESHAN, Volume 2, Issue 1, July 2023” of the department of Electronics and Communication Engineering. The Best thing about this newsletter is that it represents the creative side and Talent of ECE Faculty members as well as students. The” SAMPRESHAN” will be a medium to provide proper acknowledgement and respect to all those who work hard and acquiring results. This Newsletter is a brief account of all the events held until July 2k23. The editorial team accepts suggestion and comments to improve the quality of newsletter.

We would like to thanks our Head of the department Dr. Pavan Shukla for his constant support and guidance that he has rendered in making this newsletter a reality .We extend thanks to the management, faculty members and students of the department for their kind and continued support in the progress of the department.

Our” SAMPRESHAN” newsletter should inspire all of us, stay tuned to keep in touch with events conducted in the department and other interesting events.



**Ms. Kanika Jindal**  
(Assistant Professor)



**Ms. Swarnima Roy**  
(Assistant Professor)



**Ms. Bhawna Khullar**  
(Assistant Professor)



**Mr. Pradumn Kr. Gupta**  
(Assistant Professor)



**अंतरराष्ट्रीय कॉन्फ्रेंस एवं इंडस्ट्री समिट**  
जून 2023 में नोएडा इंडस्ट्रीडेट ऑफ  
इंजीनियरिंग एंड टेक्नोलॉजी में इंटरनैशनल  
कॉन्फ्रेंस एंड इंडस्ट्री समिट-2023 का आयोजन  
किया गया। 23 जून, 2023 को इस कॉन्फ्रेंस का  
उद्घाटन एआईआईटीई के चेयरमैन प्रोफेसर टी.जी.  
सीताराम, एशिया पैसिफिक युनिवर्सिटी, मलेेशिया  
के वाइस चांसलर प्रोफेसर डॉ. विन कुआन हो  
और निदेशक-सौटिक, पटना डॉ. आनंद कुमार  
सिन्हा ने किया। इस अवसर पर एनआईआईटी  
के चेयरमैन डॉ. सरोजिनी अग्रवाल तथा एनआईआईटी  
के इंग्लीष डॉ. रमन बत्रा भी उपस्थित थे। प्रोफेसर  
टीजी सीताराम ने उद्घाटन भाषण में नए विचारों  
और आविष्कारों को सझा करने के लिए राष्ट्रीय  
और अंतरराष्ट्रीय विश्वविद्यालयों के प्रतिष्ठित  
शिक्षाविदों, शोधकर्ताओं और उद्योग के लोगों  
को एक मंच पर लाने को एनआईआईटी के प्रयास  
को सरझना की। उन्होंने यह भी कहा कि यह  
एआईआईटीआई आईआईए विद्या, स्कूल ऑफ निरुल्स  
और मसिंडीज बेंज के संकेत एफ एससीएस को  
देखकर आश्चर्य में हैं एनआईआईटी बड़ी तेज गति  
में प्रगति कर रहा है। □





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| <br>amazon<br>44.14 LPA           | 06  | <br>Walmart<br>Global Tech India<br>23.70 LPA | 03  | <br>Microsoft<br>12 LPA              | 04 | <br>vmware<br>10 LPA                               | 06  | <br>cvent<br>11.05 LPA      | 30  |
| <br>Deloitte<br>8.10, 7.85 LPA    | 19  | <br>JSW<br>8 LPA                              | 03  | <br>DASSAULT<br>SYSTEMES<br>7.50 LPA | 10 | <br>Unite dHa th Group<br>7.5 LPA                  | 34  | <br>HARMAN<br>5.50 LPA      | 04  |
| <br>cognizant<br>4, 4.5, 6.75 LPA | 233 | <br>Capgemini<br>4, 7.75 LPA                  | 291 | <br>accenture<br>4.50, 6.50 LPA      | 86 | <br>TATA<br>CONSULTANCY SERVICES<br>3.36, 7.00 LPA | 118 | <br>DXC TECHNOLOGY<br>4 LPA | 211 |
| <br>wipro<br>4 LPA                | 93  | <br>Coforge<br>4.25 LPA                       | 87  | <br>APUERO<br>5.10 LPA               | 34 | <br>intellect<br>5 LPA                             | 10  | <br>virtusa<br>5, 7 LPA     | 114 |

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

