

E-NEWSLETTER

2020-2021 EVEN SEMESTER



NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GREATER NOIDA

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION

VISION

To prepare students for global Competence, with core knowledge in Electronics And Communication Engineering having focus on research to meet the needs of industry and society.

MISSION

M1: To become dynamic and vigorous knowledge hub with an exposure to state of art technologies for connecting 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 group with sustainable and indusive 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.



Dr. O P Agarwal (MD)

I hope this message finds you all in good health and high spirits. As we embark on another exciting year filled with challenges and opportunities, I am delighted to address the talented individuals who form the backbone of Department of Electronics and Communication Engineering.

We have witnessed remarkable achievements and breakthroughs that have not only enhanced reputation but have also contributed significantly to the field of electronics and communication. Your dedication, hard work, and innovative spirit have played a pivotal role in positioning our department as a leader in cutting-edge research and education.



Dr. Neema Agarwal (AMD)

Our success is not only measured by individual achievements but also by the collective impact we make on society. Let us continue to strive for excellence in our research endeavors, academic programs, and community engagement. By working together, we can create a positive and lasting influence on the world around us.

I extend my heartfelt gratitude to every member of Department of Electronics and Communication Engineering for your hard work, dedication, and contributions. Your passion for excellence is what sets us apart, and I am confident that together, we will achieve even greater milestones.



Dr. V K Pandey (HoD)

As we embark on a new phase of innovation and excellence, I am thrilled to connect with each of you through this newsletter. The Department of Electronics and Communication Engineering continues to be a hub of talent and creativity, and it is my privilege to lead such a dynamic and dedicated team.

In the past months, we have witnessed numerous accomplishments that underscore our commitment to academic rigor, cutting-edge research, and industry collaboration. Our faculty members have been at the forefront of groundbreaking research, and our students continue to shine through their academic achievements and extracurricular endeavors.



Dr. Suryadeo Chaudhary (Dy. HoD)

I want to express my deepest appreciation to everyone for your hard work and contributions. It is your passion and dedication that fuel the success of our department. Together, we are creating an environment that fosters innovation and prepares our students to be leaders in the rapidly evolving field of electronics and communication.

As we move forward, let us remain focused on our shared goals. Embrace collaboration, explore new avenues for research, and continue to inspire and mentor our students. The challenges ahead are opportunities for us to showcase our resilience and creativity.

I encourage you to actively participate in departmental activities, engage with your colleagues, and contribute to the vibrant academic community we have cultivated. Your ideas and insights are invaluable as we strive to enhance the reputation of our department and make a lasting impact on the world.

PUBLICATIONS (International/National Journals)

1. Ghanshyam Singh, Binod Kumar Kanaujia, Vijay Kumar Pandey, Deepak Gangwar & Sachin Kumar, “Hexa – Band Pattern Reconfigurable Antenna with Defected Ground Plane”, International Journal of Electronics, Taylor & Fr. Volume 108 Issue 11, Pages 1899-1913, IF-1.3, Print ISSN: 0020-7217 Online ISSN: 1362-3060, Jan 2021. <https://doi.org/10.1080/00207217.2020.1870749> (SCI).
2. Ghanshyam Singh, Binod Kumar Kanaujia, Vijay Kumar Pandey, Sachin Kumar, “Quad – Band multi – polarized antenna with modified electric – inductive – capacitive resonator”, International Journal of Microwave and Wireless Technologies, Volume 14 Issue 1, IF-1.4, ISSN: 1759-0787 (Print), 1759-0795 (Online), pp. 65 - 76, February 2021 <https://doi.org/10.1017/S1759078721000106> (SCI).
3. Rajeev Kumar, Laxman Singh Rajdev Tiwari, “Path planning for the autonomous robots using modified grey wolf optimization approach”, Journal of Intelligent & Fuzzy Systems, vol. 40, no. 5, pp. 9453–9470, ISSN No.1875-8967, 22 April 2021. [10.3233/JIFS-201926](https://doi.org/10.3233/JIFS-201926) (SCIE).
4. Pankaj Kumar, Renuka Sharma, Surya Deo Choudhary, S. K. Singh, Vinod M. Kapse “Predictive analysis of novel coronavirus using machine learning model - a graph mining approach”, J. Math. Comput. Sci, SCIK, ISSN 1927-5307, Volume-11, No-3, May 2021, P. 3647-3662, <https://doi.org/10.28919/jmcs/5775> (SCOPUS).

PUBLICATIONS (International/National Journals)

1. Deepti Gautam, Anshuman Singh, “Resourceful Fast Discrete Hartley Transform to Replace Discrete Fourier Transform with Implementation of DHT Algorithm for VLSI Architecture”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.10 (2021), pp. 5290-5298 e-ISSN 1309-4653 <https://doi.org/10.17762/turcomat.v12i10.5329> (SCOPUS).
2. Pankaj Kumar, Niraj Agrawal, V. K. Pandey, A. K. Gautam, S. K. Sharma, SD Chaudhary, “Highly – Efficient OLED with cesium fluoride electron injection layer”, Solid-State Electronics, Volume 183, Article 108031, IF-1.7, Online ISSN: 1879-2405 Print ISSN: 0038-1101 May 2021 <https://doi.org/10.1016/j.sse.2021.108031> (SCI).
3. Pankaj Kumar, S.K.Singh, Surya Deo Choudhary, “Reliability prediction analysis of aspect-oriented application using soft computing techniques”, Materials Today: Proceedings, Volume 45, Part 2, Pages 2660-2665, Online ISSN: 2214-7853 May 2021. <https://doi.org/10.1016/j.matpr.2020.11.518> (SCOPUS).
4. Dhananjay Singh, Surya Deo Choudhary, B. Mohapatra, “Design and Fabrication of Millimeter Wave Microstrip Antenna for NGN Applications” International Journal of Microwave and Optical Technology, Vol.16, No.3, pp. 279-285, ISSN 1553-0396, May 2021 <https://www.ijmot.com/VOL-16-NO-3.aspx> (SCOPUS).

PUBLICATIONS (International/National Journals)

1. Dhananjay Singh, Surya Deo Choudhary, B. Mohapatra “Design of Microstrip Patch Antenna for Ka-Band (26.5-40 GHz) Applications”, Materialstoday: Proceedings, Elsevier, Volume-45, Part-2, ISSN 2214-7853, pp. 2828-2832, May 2021, <https://doi.org/10.1016/j.matpr.2020.11.805> (SCOPUS).
2. Abhiruchi Srivastava, Surya Deo Choudhary, Karamjeet Sharma, Shreyansh Jha, Kamlesh Kumar, Taha Butul, Vinod M. Kapse, “Microstrip rectangular patch antenna using coplanar parasitic rod elements with substrate integrated feeding line technique”, Journal of Mathematical and Computational Science, ISSN 1927-5307, Vol – 11, Issue 4, pp. 5071-5082, June 2021. <https://doi.org/10.28919/jmcs/5959> (SCOPUS).
3. Preeti Arora, Saksham Gera, Vinod M Kapse, Sapna Sinha, “[Image Classification Using Convolutional Neural Networks of Deep Learning Algorithm](https://www.xisdxxsu.asia/V17I9-53.pdf)”, Journal of Xi'an Shiyu University, Natural Science Edition, VOLUME 17 ISSUE 09, pp. 661-664, ISSN : 1673-064X, 2021, <https://www.xisdxxsu.asia/V17I9-53.pdf> (SCOPUS).


EVENT LIST

S. No.	Title/Topic	In Collaboration With/Sponsored By	Date	No. of Participants	Experts
1.	Best Career Options & Career Planning during Global Pandemic	T.I.M.E, Greater Noida	20/01/2021	108	Mr. Anant Kumar Sahu (T.I.M.E, Greater Noida)
2.	Business Analyst	Maniac Team Company	31/01/2021	77	Mr. Mohit Tanwar, Mr. Navneet Prajapati
3.	One week workshop on MATLAB and its' applications	NIET-IIC, ISF, CodeTronics	17/05/2021 - 22/05/2021	90	Dr. Prasanna Kumar Singh, Mr. Ravi Pandey, Mr. Saurabh Katiyar
4.	Workshop-Design and Simulation of Analog Circuits	NIET-IIC, ISF, CodeTronics	17/05/2021 - 22/05/2021	82	Mr. Ashutosh Kumar Singh, Mr. Anshuman Singh, Mr. Kamal Bhatia


EVENT LIST

S. No.	Title/Topic	In Collaboration With/Sponsored By	Date	No. of Participants	Experts
5.	One week workshop on Control System	NIET-IIC, ISF, CodeTronics	17/05/2021 - 22/05/2021	100+	Mr. Devendra Pratap, Mr. Ranjan Kumar, Ms. Khyati Khandpal
6.	Research Methodology Workshop	NIET-IIC, ISF, CodeTronics	17/05/2021 - 22/05/2021	117	Dr. Laxman Singh, Mr. Niraj Agarwal, Ms. Kanika Jindal, Mr. Jitendra saroj
7.	Profile Building for Higher Education and Placements.	Byju's, NIET-IIC	29/06/2021	56	Mr. Satish Anand, Mr. Abhishek Gupta (Byju's-National Speaker)


GLIMPSES OF EVENT



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INNOVATION
COUNCIL
(Ministry of Education, India)



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Noida Institute of Engineering and Technology
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Speaker





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Founding member - CareerLabs | Ex Accenture Consulting
GMAT & CAT 99 percentile
10+ years experience in Information Technology, Consulting

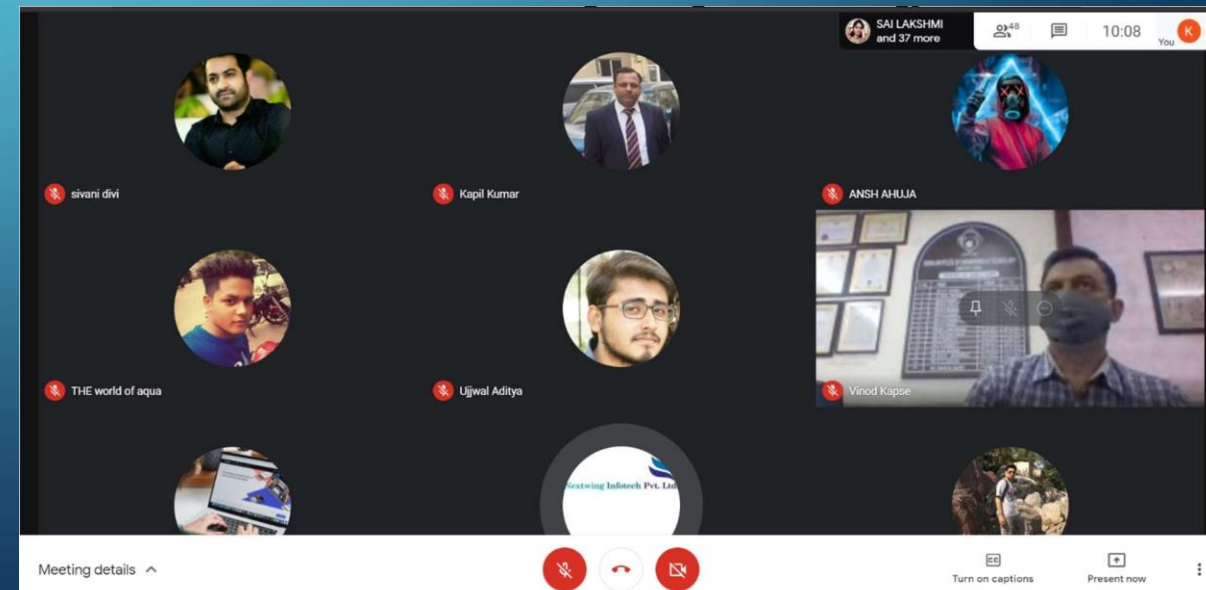
Convenor : Dr. V. K Pandey (HoD, ECE)
Co convenor: Mr. Ashutosh Kumar Singh (AP, ECE)
Event organizer: Ms. Kanika Jindal (AP, ECE)
Mr. Saurabh Katiyar (AP, ECE)

29th June Tuesday | 4:00 PM
Attendance is Highly Recommended

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Program Specific Outcomes

PSO-1 Engineering Knowledge: Apply the knowledge of mathematics, science and electronics & communication engineering to work effectively in the industry based on same or related area.

PSO-2 Design/Development of Solutions: Use their skills to work in modern electronics & communication engineering tools, software and equipments to design solutions for complex problems in the related field that meet the specified needs of the society.

PSO-3 Individual and Team Work: Function effectively as an individual and as a member or leader of a team by qualifying through examinations like GATE, IES, PSUs, TOEFL, GMAT and GRE etc.

Program Education Objectives

PEO-1 To have excellent scientific and engineering breadth so as to comprehend, analyze, design and solve real- life problems using state-of-the-art technology.

PEO-2 To lead a successful career in industries or to pursue higher studies or to understand entrepreneurial endeavors.

PEO-3 To effectively bridge the gap between industry and academics through effective communication skill, professional attitude and a desire to learn.