

E-NEWSLETTER

2020-2021 ODD 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 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.



Dr. O P Agarwal (MD)

Success is a constant state of flux. It is the result of continuous improvement after each obstacle. Overcoming one's fear of failing is necessary in order to be able to learn from one's mistakes. It's an invaluable opportunity to move on and learn from mistakes. It is preferable to fail while contributing to a worthwhile cause than to achieve while doing the opposite. Over the years, NIET has carved out a distinct niche for itself in the market for private higher education.

With its own culture, it provides an open, transparent learning environment where students can study up-to-date technical knowledge and learn new things at the forefront of technological advancement.



Dr. Neema Agarwal (AMD)

The number of technical and managerial institutes in the country has significantly increased during the last 20 years. Every year, these institutions' graduates are often quite upbeat and think that doing technical courses would lead to a rewarding profession. The NIET curriculum is strongly matched with many contemporary issues, such as communication, soft skills, and the latest technologies that businesses require, in addition to academics. Our approach has resulted in instructional materials that are relevant to the challenges and developments in leadership that lie ahead. To create an engaging learning environment in the classroom, highly qualified and experienced faculty members use role plays, presentations, case studies, and immersive learning opportunities. This is further reinforced by hands-on learning experiences such as industrial visits and summer training programmes. Frequent participation in personality development and grooming activities helps students become more self-assured on the inside as well as outside, preparing them for the professional world.



Dr. V K Pandey (HoD)

Being the head of the Electronics and Communication Engineering Department at Noida Institute of Engineering & Technology is a pleasure. The department provides an M.Tech and B.Tech programme in communication and electronics engineering. The department employs a group of highly skilled, knowledgeable, and driven professors to help our students get ready for the demands of the global marketplace. The ECE department's students are driven and prepared for the ECE industry thanks to their practical knowledge of modern programming languages and technologies. The department's graduate students are mostly employed by reputable companies and frequently appear in high positions at the university. In addition to providing its students with personality development and communication seminars, the department routinely plans a variety of professional development events. Students participate in a variety of intra-college, inter-college, and inter-university fests and contests in addition to sports, co-curricular activities, and extracurricular activities that are held at the institute level. Our pupils have their own band and have placed highly in several competitions.

The department continuously strives to foster in pupils the traits and attributes that society considers necessary and acceptable. Both faculty and students, operating under various Institute groups and banners, take the initiative for social concerns both individually and collectively. The department's main goal is to transform a student into a capable and decent citizen.



Dr. Suryadeo Chaudhary (Dy. HoD)

Since its founding more than 20 years ago, the Department of Electronics and Communication Engineering has been effectively fulfilling its dual responsibilities of generating new knowledge, developing new skills, and developing a pool of intelligent human resources that can be applied to a variety of societal issues. The Department has consistently seen rapid growth, and its knowledgeable and committed faculty members are passionate about engineering education and work tirelessly to create a stimulating and ideal learning environment. It is admirable that the department's level of knowledge has grown in line with the department's mission, emphasis is placed on the students' holistic development, which fosters in them a lifelong love of study as well as a sense of obligation to make a positive impact on society. Students are taught technical knowledge through a curriculum that is updated on a regular basis, which is complemented by an application-based environment in state-of-the-art laboratories. Students are encouraged to take part in workshops, seminars, and paper presentations because these are vital to their continued proficiency. At the departmental and university levels, a variety of clubs are used to promote cultural events. The department's stellar reputation attracts employers for campus recruitment, including TCIL, HCL, TCS, Perot Systems, and many more. A sizable portion of pupils are also GATE-qualified to continue their education. Please feel free to contact us at the email address shown on the faculty pages if you have any additional questions after seeing our website, which includes information about our faculty members, research projects, facilities, and a range of student activities.

PUBLICATIONS (International/National Journals)

1. Sonal Gupta, Binod Kumar Kanaujia, Chhaya Dalela, & **Shilpee Patil**, Analysis and design of inclined fractal defected ground based circularly polarized antenna for CA-band applications, Int. Journal of Microwave & Wireless Tech. Volume 13 Issue 4, pp. 397 – 406, IF-1.4, ISSN: 1759-0787 (Print), 1759-0795 (Online), Aug, 2020, <https://doi.org/10.1017/S1759078720001142> (SCI).
2. Vinay Mohan, A. K. Gautam, **S. D. Choudhary**, M. K. Mariam Bee, R. Puviarasi, S. Saranya, Niraj Agrawal, “Enhanced Performance Organic Light Emitting Diode With CuI:CuPC Composite Hole Transport Layer”, IEEE transaction on Nanotechnology, Volume 19, Page(s): 699 – 703, IF-2.4, Print ISSN: 1536-125X Electronic ISSN: 1941-0085, Aug 2020, [10.1109/TNANO.2020.3019096](https://doi.org/10.1109/TNANO.2020.3019096) (SCI).
3. **Surya D. Choudhary**, Abhiruchi Srivastava, **Manish Kumar**, “Design of Single – fed Dual – Polarized Dual – Band Slotted Patch Antenna for GPS and SDARS Applications”, Microw Opt Technol Lett. Volume 63 Issue 1, Pages 353-360, IF-1.5, Online ISSN:1098-2760 Print ISSN:0895-2477, Aug 2020, <https://doi.org/10.1002/mop.32597> (SCI).

PUBLICATIONS (International/National Journals)

4. Sonal Gupta, Binod Kumar Kanaujia, Chhaya Dalela, & **Shilpee Patil**, Design of Circularly Polarized Antenna Using Inclined Fractal Defected Ground Structure for S-Band Applications, Electromagnetics, Volume 40, Pages 526-540, IF-0.8, Print ISSN: 0272-6343 Online ISSN: 1532-527X, Sep 2020, <https://doi.org/10.1080/02726343.2020.1821336> (SCI).
5. **Shilpee Patil**, A.K. Pandey, **V.K. Pandey**, A Compact, Wideband, Dual Polarized CPW-Fed Asymmetric Slot Antenna for Wireless Systems" Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMoe), Volume 19 Issue 3, IF-1.062, ISSN online version: 2179-1074, (Sept, 2020) <https://doi.org/10.1590/2179-10742020v19i3827> (SCOPUS).
6. Alka Verma, Anil Kumar Singh, Neelam Srivastava, **Shilpee Patil** and Binod Kumar Kanaujia, "Performance enhancement of circularly polarized patch antenna using slotted circular EBG-based metasurface", Frequenz, Volume 75 Issue 1-2, IF-1.1, ISSN: 2191-6349, Oct. 2020 <https://doi.org/10.1515/freq-2020-0051> (SCI).
7. A. Verma, A. K. Singh, Neelam Srivastava, **Shilpee Patil** & B.K. Kanaujia, A Compact Circularly Polarized modified printed monopole antenna for Wireless Applications, Electromagnetics, Volume 40 Issue 8, Pages 576-593, IF-0.8, Print ISSN: 0272-6343 Online ISSN: 1532-527X, Oct, 2020 <https://doi.org/10.1080/02726343.2020.1838056> (SCI).

PUBLICATIONS (International/National Journals)

8. Shyam Baboo Bambiwal, Abhijeet Upadhya, Rajveer Singh Yaduvanshi, **Vijay Kumar Pandey**, “Partial relay selection for combating the effects of co-channel interference in RF/FSO cooperative relaying” Optics communication. Volume 475, Article 126186, IF-2.4, Print ISSN: 0030-4018 Online ISSN: 1873-0310, November 2020 <https://doi.org/10.1016/j.optcom.2020.126186> (SCI).
9. Narendra Sahai, Imran Ali, **Vinod Kapse**, Avijit Mazumderr, “[The Comprehensive Study on the Management of Health and Safety of Employees on Workplace](https://eelet.org.uk/index.php/journal/article/view/276/232)”, European Economic Letters, Vol 10, Issue 1, pp. 37-43, ISSN 2323-5233, December 2020, <https://eelet.org.uk/index.php/journal/article/view/276/232>, (PEER REVIEWED).
10. **Vinod M Kapse**, Narendra Sahai, Imran Ali, Rakhi Mishra, “[Employees Health and safety Management Life Cycle and Basic Structure](https://eelet.org.uk/index.php/journal/article/view/278/234)”, European Economic Letters, Vol 10, Issue 1, pp. 52-59, ISSN 2323-5233, December 2020, <https://eelet.org.uk/index.php/journal/article/view/278/234>, (PEER REVIEWED).
11. **Vinod Mansiram Kapse**, Kanika Jindal, Nisha Chauhan, “[Electric Vehicle Charging and Unloading Effect Analysis on the Power Grid](https://www.ijaret.net/index.php/ijaret/article/view/10.34218/IJARET.11.12.2020.154)”, International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 11, Issue 12, pp.1700-1705, ISSN Print: 0976-6480 ISSN Online: 0976-6499, December 2020, [10.34218/IJARET.11.12.2020.154](https://www.ijaret.net/index.php/ijaret/article/view/10.34218/IJARET.11.12.2020.154) (SCOPUS).

PUBLICATIONS (International/National Conference)

1. Amita singh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “**Gain and Delay Simulation for Molecular Communication Using Verilog**”, 2nd **IEEE** Internantional Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20), [10.1109/ICACCCN51052.2020.9362898](https://doi.org/10.1109/ICACCCN51052.2020.9362898)
2. Amita singh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “**Verilog Implementation of Diffusion Concentration in Molecular Communication**”, 2nd **IEEE** Internantional Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20), [10.1109/ICACCCN51052.2020.9362898](https://doi.org/10.1109/ICACCCN51052.2020.9362898)

STUDENT'S PARTICIPATION

Name of the Award/ Participation	LEVEL	Name of the Event	Name of the Student
2nd Prize	Inter Institute	Kavyanjali	Anishay Kumar
Participation	National	GUVI's RPA Skill-A-Thon	Aanchal Sharma
Participation	National	Learn Korean w/K-pop Blackpink's jennie 'SOLO'	Aman Rai
Participation	Inter Institute	Signal Analysis Made easy with MATLAB	Aman Rai
Participation	National	Incapp- JAVA core technology	Ankit Chauhan
Participation	Inter Institute	APTRON- Web development	Kishan Kumar Gupta
Participation	National	Welding of Pressure Vessels and Pipelines	Mohd. Shayan

STUDENT'S PARTICIPATION

Name of the Award/ Participation	LEVEL	Name of the Event	Name of the Student
Participation	National	Hello Bot: Introduction to RPA	Mohd. Shayan
Participation	Inter Institute	Design thinking and innovation	Mohd. Shayan
Participation	National	Python Bootcamp: From Zero to Hero in Python	Md. Sartazul
Participation	National	Technicl Quiz on Analog Communications	Shreya Sharma
Participation	National	Step into Robotic Process Automation	Shreya Sharma
Participation	National	Skills for Speaking Effectively: The Art of Speaking	Shudhanshu Ranjan
Participation	National	ICT- Introduction to cybersecurity	Shudhanshu Ranjan
Participation	National	Hexcoders 2020- Smart India Hackathon 2020	Vaishali Singh

EVENT LIST

S. No.	Title/Topic	In Collaboration With/Sponsored By	Date	No. of Participants	Experts
1.	Industrial Automation Training	ISF & CodeTronics and Sonepar India pvt ltd	15/07/2020	96	Mr. Kapil Dev (Sonepar India pvt ltd)
2.	Webinar on “Signal analysis made easy with MATLAB”	Design Tech system pvt ltd ISF and CodeTronics	08/09/2020	186	Mr. Akhilesh Kumar (Sr. Technical Engineer, Design Tech system pvt ltd)
3.	Session on “Secret of Success”	Art of living ISF and CodeTronics	08/09/2020	151	Hemant Upadhayay ji (Art of living)
4.	Webinar on “Data science and AI”	Nextwing Infotech pvt ltd ISF and CodeTronic	19/09/2020	112	Mr. Santosh Chaudhary (Sr. Data Scientist, Nextwing Infotech pvt ltd)

PLACEMENT RECORD

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PLACEMENT RECORD

Ways 2 Capital
Dedicated For Your Tomorrow

TS inc
Tanisha Systems, Inc.

jaro
education™
ISO 9001:2008 Certified

vivo

Prolifics

m|swipe™

IDEMIA
augmented identity

TP Tele
performance

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.