

E-NEWSLETTER

2021-2022 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 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)

Achieving success is a continuous process. It is the outcome of constant development following every setback. To be able to learn from one's mistakes, one must overcome their fear of failing. It's a priceless chance to learn from mistakes and go on. It's better to fail while working for a worthy cause than to succeed while working for the wrong one. NIET has established a unique position for itself in the private higher education market throughout the years.

It offers a transparent, student-centered environment with its unique culture where one can study current technical knowledge and discover new things at the cutting edge of technological growth.



Dr. Neema Agarwal (AMD)

Over the past 20 years, there has been a significant increase in the number of technical and management institutes across the nation. Annually, graduates of these institutes are generally very optimistic, believing that technical courses will lead to a fulfilling career. In addition to academics, the curriculum at NIET is closely aligned with a number of contemporary themes, including communication, soft skills, and the latest technologies that businesses need. Our strategy has produced educational programmes that are pertinent to the issues and trends in leadership that will arise in the future. Highly skilled and experienced faculty members use role plays, presentations, case studies, and immersive learning experiences to make classroom learning engaging. Practical learning through industrial trips and summer training serves to further reinforce this. Pupils participate in frequent personality development and grooming programmes that help them become more confident both internally and externally and get them ready for the business world.



Dr. V K Pandey (HoD)

It is a pleasure to head the Department of Electronics and Communication Engineering at Noida Institute of Engineering & Technology. The department offers B.Tech. and M Tech degree program in Electronics and Communication Engineering. The department has a team of well qualified, experienced and motivated faculty members to prepare the young minds of our students for global competition. Students of ECE department are also motivated and ready for ECE Industry with hands on experience on current technologies/programming languages. The graduate students of the department regularly appear in the University top positions and mostly working with good companies.

The department regularly organizes various professional development activities and grooms its students with the communication classes and personality development program. Sports, co curricular and extra curricular activities takes place at institute level and students participate in various intra-college, inter-college, inter-university fests/competitions. Our students have their own music band group and won many prizes in different competitions.

Department constantly works for overall growth of students and inculcate the qualities/features that are required and acceptable by Society. Faculty/students take initiative for social causes at individual level and as a team under different banners/clubs of the Institute. Turning a student in to a good and proficient citizen is the prime aim of the department.



Dr. Suryadeo Chaudhary (Dy. HoD)

Ever since the department of Electronics and Communication Engineering started its journey over two decades back, the department has been simultaneously and successfully performing the multiple roles of creating new knowledge, acquiring new capabilities and producing an intelligent human resource pool contributing in various domains of the society. The Department has always been on a high growth path and has experienced and dedicated faculty with strong commitment to engineering education who work with zeal and enthusiasm to provide a vibrant and optimum learning environment. The growth of expertise in the department is commendable. In keeping with the department's vision, the holistic development of the students is focused upon that instills a habit of continued learning and a sense of responsibility in them to contribute towards the betterment of the society. The periodically updated curriculum imparts technical knowledge to the students and the application based environment in the state of the art laboratories complements the same. The students are motivated to participate in paper presentation, workshops and seminars that are essential to maintaining proficiency. Cultural activities are also promoted through various clubs at the departmental and university level. A strong positive reputation of the department pulls companies like TCIL, HCL, TCS, Perot Systems and many more for campus recruitment. A large percentage of students also qualify GATE for pursuing higher studies. If you have further questions after visting our website which provides details of faculty members, research activities, research facilities and various student activities, please feel free to contact us on email address provided on faculty pages.

PUBLICATIONS (International/National Journals)

1. **Vinod M Kapse**, Niyati Shukla, Narendra Pratap Singh, Smita Singh, Swarupanjali Padhi, “**Coal Mining: A Study on the Health and Safety Assessment of Worker in India**”, European Economic Letters, Vol 12, Issue 1, pp. 23-31, ISSN 2323-5233, June 2021, <https://www.eelet.org.uk/index.php/journal/article/view/287/243>, (PEER REVIEWED)
2. Mohit Sharma, Himanshu Chauhan, Harsh Rakesh Yadav, Jatin Kumar, **Nidhi Sharma**, “**Home Automation System Using Zigbee Protocol**”, International Journal of Advances in Engineering and Management (IJAEM), Volume 3, Issue 7 July 2021, pp: 389-392, ISSN: 2395-5252 IF-7.429, [10.35629/5252-030710621065](https://doi.org/10.35629/5252-030710621065) (SCOPUS)
3. Altaf Alam, **Laxman Singh**, Zainul Abdin Jaffery, Yogesh Kumar Verma, Manoj Diwakar, “***Distance-Based Confidence Generation and aggregation of classifiers for unstructured road detection***”, Journal of King Saud University – Computer and Information Sciences (Elsevier), Volume 34, Issue 10, Part A, Pages 8727-8738, IF-6.9, Print ISSN: 1319-1578 Online ISSN: 2213-1248, Sept 2021, <https://doi.org/10.1016/j.jksuci.2021.09.020> (SCIE)

PUBLICATIONS (International/National Journals)

4. Gayatri Sakya, Chhaya Dalela, **Laxman Singh**, Anuj Jain, “*Machine learning based MAC protocol design for pipeline leakage detection in smart city project*”, Journal of Discrete Mathematical Sciences and Cryptography, Recent Trends in Network Security and Artificial Intelligence, Volume 24, Issue 5, Pages 1283-1292, Print ISSN: 0972-0529 Online ISSN: 2169-0065, Sept 2021, <https://doi.org/10.1080/09720529.2021.1932915> (SCI)
5. Raj Kumar Goel, Chandra Shekhar Yadav, Shweta Vishnoi, **Laxman Singh**, Praveen Pachauri, “**Team Cognition Approach in Agile Software Development**”, Journal of Engineering Science and Technical Review, Volume 14, Issue 4, pp. 18 – 25, ISSN: 1791-2377, Sept 2021, <http://www.jestr.org/downloads/Volume14Issue4/fulltext31442021.pdf> (SCOPUS)
6. **Shilpee Patil**, Anil Kumar Singh, **Vijay Kumar Pandey**, Binod Kumar Kanaujia, Anil Kumar Pandey, “**A simple and compact broadband circularly polarized circular slot antenna for WLAN/WiMAX/DBS applications**”, Frequenz –Berlin, Volume 76 Issue 3-4, pages: 209-219, ISSN: 2191-6349 IF-1.1, Oct 2021. <https://doi.org/10.1515/freq-2021-0118> (SCIE).

PUBLICATIONS (International/National Journals)

7. **Laxman Singh**, Altaf Alam, K. Vijay Kumar, Devendra Kumar, Parvendra Kumar, Zainul Abdin Jaffery, “*Design of thermal imaging-based health condition monitoring and early fault detection technique for porcelain insulators using Machine learning*” Environmental Technology & Innovation, Volume 24, 102000, Online ISSN: 2352-1864, IF-7.1, November 2021 <https://doi.org/10.1016/j.eti.2021.102000> (SCIE).
8. Raman Batra, **Vinod Kapse**, Harsh Awasthi, Amit Yadav, Rajnish Kumar, “**Occupational Health Hazards for Employees in the Leather Industry**”, European Economic Letters, Vol 11, Issue 1, pp. 26-32, ISSN 2323-5233, December 2021, <https://eelet.org.uk/index.php/journal/article/view/280/236>, (PEER REVIEWED)
9. Raman Batra, **Vinod Kapse**, Amit Yadav, Simran Kaur, “**Entrepreneur’s Organization: A Systematic Analysis of Job Stress Arises on Employees**”, European Economic Letters, Vol 11, Issue 1, pp. 33-41, ISSN 2323-5233, December 2021, <https://eelet.org.uk/index.php/journal/article/view/281/237>, (PEER REVIEWED)

PUBLICATIONS (International/National Conference)

1. Himani Sharma, Nidhi Sharma, Surya Deo Choudhary, “**Designing Adiabatic Techniques for Logic Circuits.**”, International Conference of Modern Electronics devices and communication systems (MEDCOM-Oct – 2021).
2. Preeti Arora, Vinod M Kapse, Sapna Sinha, Saksham Gera, “**Number Plate Recognition System Using Convolutional Neural Network**”, 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO), IEEE, pp. 1-5, **Electronic ISBN:978-1-6654-1703-7, CD:978-1-6654-1702-0, Print on Demand(PoD) ISBN:978-1-6654-1704-4**, September 2021, [10.1109/ICRITO51393.2021.9596134](https://doi.org/10.1109/ICRITO51393.2021.9596134)

PUBLICATIONS (Books and Book Chapters)

1. **Dr. Laxman Singh**, “**Electronics Devices, Circuits and Applications (EDCA – II)**”, GBS Publishers and Disctributors, Ed. 2021 (**Book**)
2. **Dr. Laxman Singh**, “**Practical Machine Learning with Python**”, GBS Publishers and Distributors. Ed. 1, 2021(**Book**)
3. **Laxman Singh**, Preeti Arora, Yaduvir Singh, **Vinod M Kapse**, Sovers Singh Bisht, “**Computer Assisted Health Care Framework for Breast Cancer Detection in Digital Mammograms**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, pp. 101-114, DOI: [10.1201/9781003168638-8](https://doi.org/10.1201/9781003168638-8) 2021 (**Book Chapter**)
4. **Dr. Laxman Singh**, “**Multi-Modality Medical Image Fusion Using SWT & Speckle Noise Reduction with Bidirectional Exact Pattern Matching Algorithm**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003154686-20](https://doi.org/10.1201/9781003154686-20) sept 2021 (**Book Chapter**)

PUBLICATIONS (Books and Book Chapters)

5. **Dr. Laxman Singh, “Multi-Modality Medical Image Fusion Using SWT & Speckle Noise Reduction with Bidirectional Exact Pattern Matching Algorithm” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: 10.1201/9781003154686-20 sept 2021 (Book Chapter)**
6. **Dr. Laxman Singh, “Comparative Study of Machine Learning Techniques for Breast Cancer Diagnosis” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003168638-11](https://doi.org/10.1201/9781003168638-11) 2021 (Book Chapter)**
7. **Dr. Laxman Singh, “Oxide thickness variation effects in MOS AlGaIn/GaN HFET” Intelligent Circuits and Systems, Taylor & Francis, 2021, DOI: 10.1201/9781003129103-17 (Book Chapter) 2021**

PUBLICATIONS (Books and Book Chapters)

8. **Dr. Laxman Singh**, “**Internet of Healthcare Things (IoHT) and Block Chain: An Efficient Integration for Smart Health Care Systems**” Healthcare and Knowledge Management for Society 5.0: Trends, Issues, and Innovations, DOI: [10.1201/9781003168638-10](https://doi.org/10.1201/9781003168638-10) (**Book Chapter**)
9. Preeti Arora, **Laxman Singh**, Saksham Gera, **Vinod M Kapse**, “**Intelligent Systems for IoT and Services Computing**”, Disruptive Technologies for Society 5.0: Exploration of New Ideas, Techniques, and Tools, CRC Press, pp. 214-233, DOI: 10.1201/9781003154686-12 November 2021, (**Book Chapter**).

ISF (IETE STUDENTS' FORUM)

S.No.	NAME OF STUDENT	PHOTO
1	Chakshu Goyal	
2	Mansi Neolia	
3	Vasundhra Raghav	
4	Priyanshu Singh	
5	Suraj Kumar	

S.No.	NAME OF STUDENT	PHOTO
6	Gulam Sarwar	
7	Akash Saxena	
8	Pratik Raj	
9	Priya Mishra	
10	Ankit kumar dubey	

ISF (IETE STUDENTS' FORUM)

S.No.	NAME OF STUDENT	PHOTO
11	Ashish Keshri	
12	Sujas Gupta	 SUJAS GUPTA
13	Kunal Gupta	
14	Ayush Singh	
15	Abhishek Kumar	

S.No.	NAME OF STUDENT	PHOTO
16	Satyabrat Singh	 SATYABRAT SINGH 11-12-2017
17	Ayush	 AYUSH 08-07-2017
18	Tushar Srivastava	
19	Abdullah Sharjil	
20	Vaishali Singh	

ISF (IETE STUDENTS' FORUM)

S.No.	NAME OF STUDENT	PHOTO
21	Jyoti Baisoya	
22	Shubham Shukla	
23	Akash tewatia	
24	Aman Anand	
25	Zeeshan Ali Kashif	



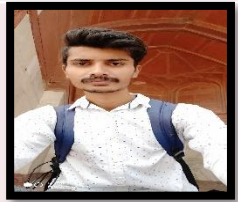
S.No.	NAME OF STUDENT	PHOTO
26	Dushyant Kumar	
27	Nidhi	
28	Baibhav kumar	
29	Mausami Bharti	
30	Nancy Agarwal	

ISF (IETE STUDENTS' FORUM)

S.No.	NAME OF STUDENT	PHOTO
31	Harsh Kumar Choudhary	
32	Prashant Saxena	
33	Nidhi Agnihotri	
34	Shitansh Kumar Rai	
35	Ambuj Tiwari	

S.No.	NAME OF STUDENT	PHOTO
36	Hritik Sharma	
37	Vinita Kumari	
38	Abhishek Kushwah	
39	Mayank Malik	
40	Shivam Sahu	

ISF (IETE STUDENTS' FORUM)

S.No.	NAME OF STUDENT	PHOTO
41	Nikhil Kumar Choubey	
42	Muskan Singh	
43	Kumar Mangalam Patel	

S.No.	NAME OF STUDENT	PHOTO
44	Divyanshi Srivastava	
45	Harsh Raj	
46	Harshit Bhatnagar	

COMPANIES VISITED FOR PLACEMENT

1. Intersoft data labs & solutions Pvt Ltd

2. Aptara Corp

3. Onebanc Technologies Pvt Ltd

4. Planet Spark

5. HCL Technologies

6. Convene India Pvt Ltd

7. Curiouslyfly (Consumer Electronics Company)

8. Sopra Steria

9. Advintek pte. Ltd

10. ALGOWORKS Technologies

11. Indus Valley Partner

12. Accenture

13. BOSCH

14. OnGraph Technologies Pvt. Ltd.

15. Infosys

16. Kreate Technologies LLP

17. Congruex Asia-Pacific LLP

18. Nagarro

19. Calcom Vision Ltd.

20. Genone Optech Pvt. Ltd.

21. Skilrock Technologies

22. NEC Technologies

23. NeoSoft Technologies

24. Accolite Digital

25. Akal Information Systems

26. Coforge

27. Leapwork

28. Flipkart

29. Zomato

30. Motherson Sumi system Limited

31. EY-GDS

32. Genus Power

33. Brightchamps

34. Future Generali

35. Global Logic

36. Mahindra & Mahindra Financial Services

37. VMware

38. Areteans

39. KPIT-Off campus

40. TekMindz India Pvt. Ltd.

COMPANIES VISITED FOR PLACEMENT

41. Marquis Technologies Pvt. Ltd.

42. Synoriq

43. Prolifics

44. Multitex Filtration Engineers Ltd.

45. Paytm

46. NTT Data

47. Truechip

48. Adobe

49. AIMIL

50. AppInventiv Technologies NOIDA

51. Capgemini

52. PPAP Automotive Ltd.

53. KEYIDEAS

54. INFOSYS

55. Dixon Technologies

56. Mobiloitte Technologies

57. Startxlabs Technologies

58. Acadecraft

59. Open-silicon A SIFIVE company

60. NetProphets Cyberworks

61. K12 Techno Services Pvt. Ltd.

62. Square Yards

63. Polycab India

64. Tech Mahindra

65. Compro Technologies

66. A-1 Fence Products company pvt ltd.

67. Huawei

68. Douvtnut

69. Atos

70. VIVO

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.