

Workshops/ Courses/ Seminars/ Expert Lectures Organized by the ECE Department

Name of the Event	Organized By	Venue	Period	Organizer
One-Day Interdisciplinary Workshop on Nano Material Characterization	ECE Department, NIT Delhi, in collaboration with Agmatel/ Keysight Technologies.	NIT Delhi	March 18, 2015	Convener: Dr. Rikmantra Basu



Name of the Event			Organized By	Venue	Period	Organizer	
Research Celebration	Scholar Day	Day	ECE Department, NIT Delhi	NIT Delhi	September 11, 2015	Convener: Rikmantra Basu	Dr.



Name of the Event	Organized By	Venue	Period	Organizer
n+i Networking Programme and Expert talk: Prof. Yan Busnel, Head CSE, ENSAI (National Graduate School for Statistics and Data Analysis)	ECE Department, NIT Delhi	NIT Delhi	January 28, 2016	Convener: Dr. Rikmantra Basu



PROFIL

The n+i Network is made up of more than 70 prestigious Engineering Institutes from engineering disciplines. The Network has highly qualified, multidisciplinary experts who can lead effectively in internationalization in a multicultural environment. The network offers programs open to fields of science and engineering: computer science, high-tech technology, chemistry, physics, mathematics, electronics, computer science, statistics, economics, architecture and civil engineering, in 3-year study, masters, research, a master's degree or a diploma in engineering (master's degree in engineering).

The n+i Network offers three "business packages" in internationalization in France. The packages are:

- Culture (language, business, management, legal and transfer - AC)
- Language (language, French language, language, business - AC)
- Academic (academic, academic, academic, academic, academic - AC)

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Scholarship Available for NPL/USI Students from India: 2015 - 16

NOTE: Descriptions of scholarships (deadline date, amount, etc.) are indicative and for information only. Please check deadlines on www.nplplus.com & www.indo.scarpafrance.org, on subject to change.

S.No	Name of the Scholarship	Application Deadline	Declaration of Results	Scholarship Benefits	Participating Institutes
1	Eiffel Scholarship	02 Nov'15	End Mar	€280 Euros/month	All "n+i" Engineering Institutes
2	So-de-France	10 Jan'16	End May	€50,000 per student during duration of stay	All "n+i" Engineering Institutes
3	Cherbourg Scholarship	01 Jan'16	Mid June	€15 Euros/month + overseas medical insurance coverage	All "n+i" Engineering Institutes
4	Pays de Loire Region	03 Apr'16	End May	Living cost grant - at discretion of the Council	All "n+i" Engineering Institutes
5	Lorraine Region	03 Apr'16	End May	Living cost grant - at discretion of the Council	All "n+i" Engineering Institutes
6	Picardie Region	03 Apr'16	End May	Living cost grant - at discretion of the Council	All "n+i" Engineering Institutes
7	n+i + Grants	03 Apr'16	End May	2000 euros	All "n+i" Engineering Institutes
8	Institutional Grant's on Tuition Fees	03 Apr'16	All time of admission offer	Based on Student's Merit - at discretion of the French Institute	All "n+i" Engineering Institutes

Note: For Cherbourg Scholarship, kindly contact the nearest Campus France office or email to scholarship@scarpafrance.org. Students only with confirmed admission offer will be considered while shortlisting of scholarship, based on merits of the candidates.



Name of the Event	Organized By	Venue	Period	Organizer
Faculty Development Programme: Computing and Communication	NIT Delhi in collaboration with AIACTR, Delhi	NIT Delhi and AIACTR, Delhi	July 3-4, 2017	Convener: Dr. Rikmantra Basu Co-Convener: Late Dr. Rajiv K Tripathi



Name of the Event	Organized By	Venue	Period	Organizer
Expert Talk by Prof. Guo En Chang, Associate Professor, Department of Mechanical Engineering and AIM-HI, National Chung-Cheng University, Taiwan on GeSn MIR photonics on silicon"	NIT Delhi	NIT Delhi	February 07, 2018	Convener: Dr. Rikmantra Basu



Name of the Event	Organized By	Venue	Period	Organizer
Expert Talk by Dr. Suchandan Paul, Senior Principal Scientist & Head, PME Unit, CSIR-Central Electronics Engineering Research Institute (CSIR-CEERI) on "GaN-based Visible and UV LEDs".	NIT Delhi	NIT Delhi	October 14, 2019	Convener: Dr. Rikmantra Basu

Name of the Event	Organized By	Venue	Period	Organizer
One Week Online Self-Sponsored Short-Term (STC) Course on “Emerging Trends and Challenges in Communication Systems	ECE Department, NIT Delhi	NIT Delhi	October 18-22, 2021	Convener: Dr. Nitin Singh Singha Co-Convenor: Dr. Rikmantra Basu

One Week Online Self-Sponsored Short Term Course
on
Emerging Trends and Challenges in Communication Systems
(18th October-22nd October, 2021)
Organized by
National Institute of Technology Delhi

About NIT Delhi:
National Institute of Technology Delhi (NITD) is one of the forty-one IITs established by an act of parliament. It has been declared as an Institute of National Importance. NIT Delhi is an autonomous institute that functions under the aegis of Ministry of Education, Government of India. It aims to provide innovative and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences, and Humanities for advanced learning and dissemination of knowledge. Currently, the institute offers a B.Tech programme in Computer Science and Engineering, Electronics and Communication Engineering, and Electrical and Electronic Engineering. NITD is also offering M.Tech. and Ph.D. programs. The institute is located in Meerut, Uttar Pradesh, India. For more information, please visit the NIT Delhi website.

About the Department of ECE:
The department of ECE was established in 1978. Currently, it offers one Undergraduate B.Tech. course and two Post Graduate M.Tech. courses in ECE and VLSI Design. The department also offers a Ph.D. program in various specializations such as: electronic devices and circuits, computer networks, communication systems, microwave and antenna design, signal processing, embedded systems, and advanced communication. The department has an advanced VLSI lab approved by the Ministry of Communication and IT under the IIMTDC project.

About the Course:
This course aims to provide theoretical, analytical, and practical knowledge about the current trends available in the domain of Communication Systems. During the course, students, teachers, and industry persons in this respective area of expertise will discuss the current systems on signal processing, signal communication, 5G networks, communication systems. Experts will also discuss applications of the above topics in real-time scenarios. Thus, this STC aims to provide participants with cutting-edge research ideas and directions for future research.

Major Course Contents:

- Broadband
- 5g communication
- Machine learning
- Embedded Networks
- Social Networks
- Recommendation Systems
- Wireless sensor networks
- Optical Communication

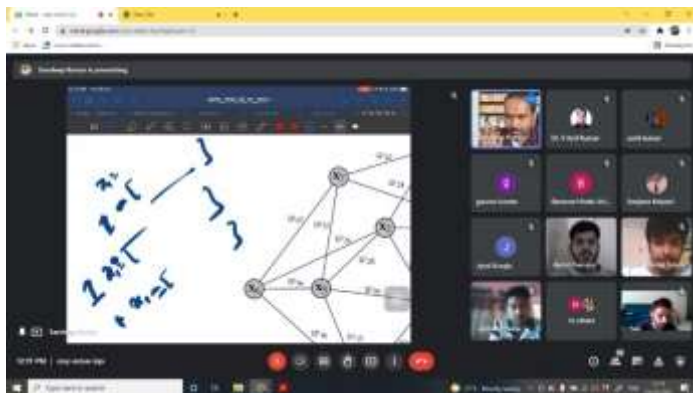
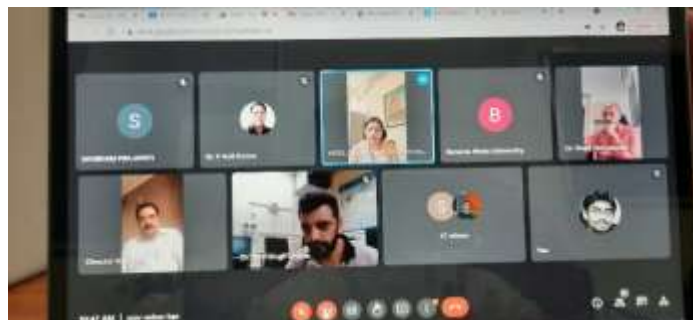
Faculty conducting this program:
Academicians in the concerned field from IITs/IISc are invited to deliver lectures in the program. Experts from industries will also give talks as part of the course.

Eligibility:
Faculty of various Universities/Institutes, Professionals from Industry, Teachers and Engineers from R&D segment, M.Tech. and Ph.D. holders can apply for the course. The interested persons need to apply online through Google Forms.

How to apply:
For registration, please click on the Google form link below:
Click Here: <https://forms.gle/yat3z3d8RmY4d009>

Note:
1. There is no registration fee.
2. Participants will be issued to participants completing the course.

Accommodation:
This workshop will be conducted in an online mode. Participants are not required to be present physically at NIT Delhi during the workshop.




Name of the Event	Organized By	Venue	Period	Organizer
Online Expert Talk on “Optical Fiber-based Plasmonic Sensors for Biomedical Applications”	ECE Department, NIT Delhi	NIT Delhi	November 17, 2021	Convener: Dr. Sandeep Kumar Dr. Manisha Bharti

Name of the Event	Organized By	Venue	Period	Organizer
One Week Online Self-Sponsored Short-Term (STC) Course on “Emerging Trends in Antenna Design for RF Energy Harvesting Circuit (ETAD- RFEHC)”	ECE Department, NIT Delhi	NIT Delhi	January 03-07, 2022	Convener: Dr. Sachin Agrawal Co-Convenor: Dr. Rikmantra Basu Co-Convenor: Dr. D. Vaithiyanathan




Emerging trends in Antenna Design for RF Energy Harvesting Circuit (ETAD- RFEHC)
(January 03-07, 2022)
Organized by Dept. of ECE, NIT Delhi

Broadband Spiral Antenna and its Application in RF Energy Harvesting



Chetna Sharma, Ph.D.
Assistant Professor, IIIT Kota



3:16 PM | Join: 30000-10000

Name of the Event	Organized By	Venue	Period	Organizer
6- Days Online International workshop on "Group IV Photonics	ECE Department, NIT Delhi	NIT Delhi	March 15-20, 2022.	Coordinator: Dr. Rikmantra Basu (India Side) Coordinator: Prof. Guo-EN Chang, CCU, Taiwan (Taiwan side)

 <p>IEEE Photonics Society (Delhi Section – Rajasthan Chapter) INDIA (Technical Sponsor)</p>	<p>International Workshop on Group IV Photonics March 15 – 20, 2022 Coordinator: Dr. Rikmantra Basu, NIT Delhi (India side) Prof. Guo-En Cgang, CCU, Taiwan (Taiwan side)</p>	 <p>IEEE Tainan Section TAIWAN (Technical Sponsor)</p>
<p>Organized by</p> <p>Department of Electronics and Communication Engineering (ECE) National Institute of Technology (NIT) Delhi, INDIA</p>  	<p>Co-Organized by</p> <p>AIM-HI (Advanced Institute of Manufacturing with High-tech Innovations) and CoE (College of Engineering)</p>   <p>National Chung Cheng University (CCU), TAIWAN</p> 	<p>Co-Organized by</p> <p>IEEE NIT Delhi Student Branch</p>  

Name of the Event	Organized By	Venue	Period	Organizer
Online Expert Talk by Dr. Sunanda Jha, Assistant Professor, Centre for Energy and Environment, Malaviya National Institute of Technology Jaipur, Rajasthan on Futuristic PV (Photo-Voltaic) Applications in celebration of International Light Day 2022, contributing to Azadi Ka Amrit Mahotsav, the 75 th Anniversary of Indian Independence	ECE Department, NIT Delhi with Prakash Bharti and IEEE Photonics Society-Delhi Section (Rajasthan Chapter)	NIT Delhi	May 13, 2022	Coordinator: Dr. Rikmantra Basu



National Institute of Technology Delhi

in Collaboration with IEEE Prakash Bharati India
Organizing Student Interaction Program

Futuristic PV (Photo-Voltaic) Applications

13.05.2022 10:00 am - 11:00 am

Speaker: **Dr. Sunanda Sinha**, Assistant Professor (Centre for Energy & Environment), Malaviya National Institute of Technology Jaipur

Online Meeting details: meet.google.com/hnn-eyhg-ynn

In celebration of International Light Day 2022, contributing to Azadi Ka Amrit Mahotsav, the 75th Anniversary of Indian Independence

Dr. Manpreet Singh Manna
National Coordinator
Chair IEEE Prakash Bharti

Dr. Rikmantra Basu
Institute Event Coordinator

Dr. Manisha Bharti
Head, ECE, NIT Delhi

Prof. Ajay K Sharma
Institute Patron, NIT Delhi

Name of the Event	Organized By	Venue	Period	Organizer
Online Faculty Development Programme on "VLSI Devices and Communication Systems (VDCS)".	ECE Department, NIT Delhi	NIT Delhi	May 23-28, 2022	Coordinator: Dr. Sachin Agrawal Dr. Nitin Singh Singha



Name of the Event	Organized By	Venue	Period	Organizer
Online Faculty Development Programme on "Emerging Trends in Signal Processing, Communication and VLSI (ETSPCV-2022)".	ECE Department of NIT Delhi	NIT Delhi	June 6 – 11, 2022	Conveners: Dr. Sandeep Kumar Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Function
Expert Talk by Dr. Deepak Jain, Assistant Professor, Electrical Engineering Department, IIT Bombay, on: How to promote yourself as a young researcher and Novel Optical Fibers for Light Sources and Optical Communication in celebration of International Light Day 2022, contributing to Azadi Ka Amrit Mahotsav, the 75 th Anniversary of Indian Independence	ECE Department, NIT Delhi with Prakash Bharti and IEEE Photonics Society-Delhi Section (Rajasthan Chapter)	NIT Delhi	July 12, 2022	Coordinator: Dr. Rikmantra Basu



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
National Institute of Technology Delhi
(An autonomous Institute under the aegis of Ministry of Education, Govt. of India)



National Institute of Technology Delhi

in Collaboration with IEEE Photonics Society (Rajasthan Chapter)- Delhi Section and IEEE NITD Student Branch

Organizing Interaction Program and Expert Talk on

Novel Optical Fibers for Light Sources and Optical Communication

12.07.2022, 11:00 AM @ Meeting Room, Mini Campus, NIT Delhi

Speaker: Dr. Deepak Jain, Assistant Professor, Department of Electrical Engineering, IIT Bombay

Dr. Manpreet Singh Manna
Chairperson,
IEEE Photonics Society
(Rajasthan Chapter)

Dr. Rikmantra Basu
Institute Event Coordinator

Dr. Manisha Bharti
Head, ECE, NIT Delhi

Prof. Ajay K Sharma
Institute Patron, NIT Delhi



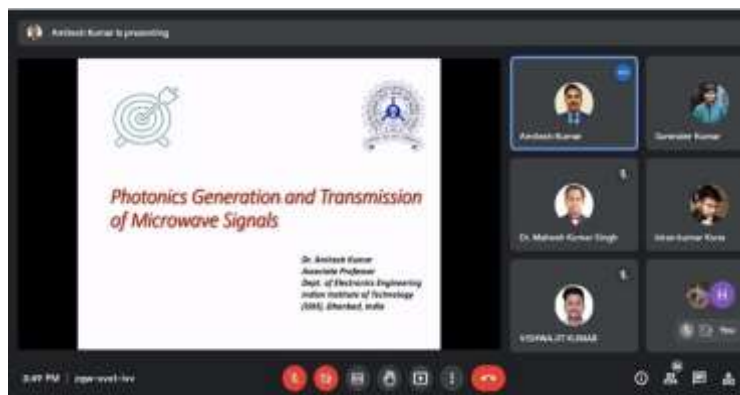
Name of the Event	Organized By	Venue	Period	Organizer
Faculty Development Programme on "Latest Trends in VLSI Devices, Circuits and Tools".	ECE Department of NIT Delhi	NIT Delhi	September 19-24, 2022	Conveners: Dr. D.Vaithyanathan Dr. Baljit Kaur Dr. Preeti Verma



Name of the Event	Organized By	Venue	Period	Organizer
Faculty Development Programme on "Advancement in Microwave Technology for VLSI and Communication System (AMVC)".	ECE Department of NIT Delhi	NIT Delhi	November 07-12, 2022	Conveners: Dr. Dharmendra Kr Jhariya Dr. Sachin Agrawal Dr. Nitin Singh Singha



Name of the Event	Organized By	Venue	Period	Organizer
Expert Talk on “Photonics Generation and Transmission of Microwave Signals”	ECE Department of NIT Delhi	NIT Delhi	November 16, 2022	Conveners: Dr. Sandeep Kumar Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Function
Expert Talk on IPR Awareness Programme (National Intellectual Property Awareness Mission (NIPAM 2.0))	ECE Department of NIT Delhi	NIT Delhi	November 30, 2022	Conveners: Dr. Dharmendra Kumar Jhariya Dr. Sachin Agrawal



Name of the Event	Organized By	Venue	Period	Organizer
One-Week International Workshop on “Electronics, Photonics and IC at the 75 th Anniversary of Transistor	ECE Department, NIT Delhi with IEEE Photonics Society- Delhi Section (Rajasthan Chapter), The Prakash Bharati (a consortium of IEEE Photonics Society Chapters of India) and IEEE Circuits and Systems Society Delhi Chapter.	NIT Delhi	February 20-25, 2023	Convener: Dr. Rikmantra Basu

Technical and Financial Sponsor



NIT Delhi

IEEE Photonics Society

IEEE Delhi Section
Photonics Society Chapter - Rajasthan

IEEE

IEEE NIT Delhi Student Branch

75th ANNIVERSARY TRANSISTOR



75th Azadi Ka Amrit Mahotsav

National Institute of Technology (NIT) Delhi
Electronics and Communication Engineering Department

Presents

International Workshop on
Electronics, Photonics, and IC at the 75th Anniversary of Transistor

Celebrating 75 Years of Invention of Transistor, contributing to Azadi Ka Amrit Mahotsav, the 75th Anniversary of Indian Independence

Registration Link: <https://forms.gle/7ccch4ntQk53CuQj6>

Last Date for registration/ abstract Submission: February 08, 2023

Workshop Schedule: February 20-25, 2023
(in blended mode)

Technical Sponsor



CAS

IEEE CAS Section, Delhi Chapter



Prakash Bharati
Bharati/consortium of IEEE Photonics Society Chapters of India



GREAT



Name of the Event	Organized By	Venue	Period	Organizer
Short Term Course (STC) on Recent Trends in Computer Vision, Artificial Intelligence and Robotics (RTCVAIR-2023) (20th March – 25th March 2023)	ECE Department, NIT Delhi	NIT Delhi	March 20-25, 2023	Coordinator: Dr. Mahesh K. Singh and Dr. Dharmendra K. Jhariya



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
National Institute of Technology Delhi
(An autonomous Institute under the aegis of Ministry of Education, Govt. of India)



Welcome you
to

Short Term Course (STC)
on



Recent Trends in Computer Vision, Artificial Intelligence and Robotics
(RTCVAIR-2023)

(20th March 2023 – 25th March 2023)

(Hybrid Mode)

Highlights

- Recent advancement in Imaging Technology.
- Advances in computer vision Algorithms.
- Advancements in Artificial Intelligence.
- Application of Agent (Robot) in domain of Artificial Intelligence.
- Modelling and design of Multi Robot.



Patron

Prof. (Dr) Ajay K. Sharma
Director, NIT Delhi

Organized by

Department of Electronics and Communication Engineering
National Institute of Technology, Delhi- 110036



Name of the Event	Organized By	Venue	Period	Organizer
Short-Term (STC) Course on "Nascent Technologies in Signal Processing, Communication and VLSI (NTSPCV-2023)	ECE Department, NIT Delhi	NIT Delhi	April 24-29, 2023	Patron: Prof. Manoj Kumar Coordinator: Dr. Manisha Bharti and Dr. Sandeep Kumar



Name of the Event	Organized By	Venue	Period	Organizer
Expert Talk on “Metaverse and its applications” by Prof. (Dr.) Lunchakorn Wuttisittikulkij, EE Department Chulalongkorn University, Bangkok- 10330	ECE Department, NIT Delhi	NIT Delhi	August 02, 2023	Coordinator:

Name of the Event	Organized By	Venue	Period	Organizer
One-day joint collaborative workshop between NIT Delhi and CSIR-National Physical Laboratory (NPL), New Delhi	ECE Department, NIT Delhi with NPL, New Delhi	NIT Delhi	August 17, 2023	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
Expert Talk on "Power of Failure" by Major Gen. NK Dhir (Retd.)	ECE Department, NIT Delhi	NIT Delhi	September 20, 2023	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
Expert lecture on "Image Processing & Computer Vision" on 17 Oct 2023 by Prof. Navin Rajpal.	ECE Department, NIT Delhi	NIT Delhi	October 17, 2023	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
Expert lecture on "Introduction & Application of Remote Sensing" on 19 Oct 2023 by Dr. Sugandh Chauhan.	ECE Department, NIT Delhi	NIT Delhi	October 19, 2023	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
Short Term Course on “Modern VLSI Design and EDA Tools Hands-on Session”	ECE Department, NIT Delhi	NIT Delhi	November 02- 08, 2023	Convener: Prof. Manoj Kumar & Dr. Preeti Verma Coordinators: Dr. Manisha Bharti & Dr. D. Vaithiyathan





Name of the Event	Organized By	Venue	Period	Organizer
<p>Alumni talk series in collaboration with the IEEE NIT Delhi Student Branch by Mr. Anirudh Kumar Parag, ECE B. Tech, Graduated during the 2012-2016 batch and present PhD Student of IMEC, Belgium</p> <p>Topic: Designing for the Elderly: From remote-controlled switches to implantable medical devices - Lessons from 3 countries</p>	ECE Department, NIT Delhi	NIT Delhi	December 01, 2023	Convener: Dr. Rikmantra Basu


NATIONAL INSTITUTE OF TECHNOLOGY DELHI
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
 IN COLLABORATION WITH
IEEE STUDENT BRANCH NIT DELHI


**Designing for the Elderly:
From remote-controlled
switches to implantable
medical devices-
Lessons from 3 countries.**


SCAN TO JOIN

Anirudh Kumar Parag

Doctoral researcher
imec & KU Leuven



 **Date:** 1st December 2023

 **Time:** 4:00 PM Onwards

 **Venue:** 5th floor seminar room (Auditorium)

Event Coordinator:
 Dr. Rikmantra Basu (IEEE SB Faculty Coordinator)
 Associate Professor, Dept. of ECE, NIT Delhi

 @ieee-nitd
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Name of the Event	Organized By	Venue	Period	Organizer
One-day Scientific Collaborative Workshop between CSIR-National Physical Laboratory (NPL), New Delhi and National Institute of Technology (NIT) Delhi	NPL, New Delhi, with NIT Delhi	NPL, New Delhi	January 18, 2024	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
One-Week 2 nd IEEE International Workshop on Silicon Photonics, organized by the ECE Department of NIT Delhi from February 05-10, 2024, in blended mode	ECE Department, NIT Delhi with IEEE Photonics Society-Delhi Section (Rajasthan Chapter), IEEE Circuits and Systems Society Delhi Chapter and IEEE NIT Delhi Student Branch	NIT Delhi	February 05-10, 2024	Convener: Dr. Rikmantra Basu



NIT Delhi



IEEE Photonics Society
World-Wide Chapter - Member Association

IEEE Delhi Section
Photonics Society
Chapter-Rajasthan



IEEE NIT Delhi Student Branch





2nd International Workshop on Silicon/ Group IV Photonics

National Institute of Technology (NIT) Delhi
















Electronics and Communication Engineering Department

Workshop Schedule: February 05-10, 2024
(in blended mode)

Eligibility: Faculty/ students/ researchers of various Universities/ Institutes, Professionals from Industry, and Scientists and Engineers from R&D organizations can apply online through Google Forms. **There is no registration fee, but prior registration is needed on or before January 10, 2024.**



IEEE Circuits and Systems Society, Delhi Chapter

	Prof. Bijoy Krishna Das IIT Madras, India		Prof. Bahram Jalali University of California, Los Angeles, USA		Prof. Anurag Sharma IIT Delhi, India		Dr. Hans-Christian Sigg Paul Scherrer Institut, Switzerland
	Prof. Shankar Kumar Selvaraja CeNSE, IISc Bangalore, India		Prof. Shaibal Mukherjee IIT Indore, India		Prof. Kirsten E. Moselund EPFL, Switzerland		Dr. Samudra Roy IIT KGP, India
	Prof. Mukesh Kumar IIT Indore, India		Dr. Harshvardhan Kumar LNMIIT, Jaipur, India		Dr. Srikanth Sugavanam IIT Mandi, India		Dr. Amritanshu Pandey IIT BHU, India
	Dr. Riddhi Nandi GLOBALFOUNDRIES		Dr. Sankha dip Das Ministry of Electronics and Information Technology, GOI		Dr. Samik Mukherjee jio Institute, India		



Name of the Event	Organized By	Venue	Period	Organizer
One Week hybrid Self-Sponsored Short-Term (STC) Course on “Beyond 5G and IOT (5GIOT-2024)	ECE Department, NIT Delhi with Speakers from eminent institutes IIT Delhi, IIT BHU, PEC Chandigarh, HR Universal Systems Inc, Tetcos LLP: NetSim Pvt. Ltd., Sensenet Pvt. Ltd., Chitkara University	NIT Delhi	January 29th to 03th February, 2024.	Convener: Prof. (Dr.) Manoj Kumar and Prof. (Dr.) Jyoteesh Malhotra Coordinator: Dr. Mahesh Kumar Singh and Dr. Nitin Singh Singha



Name of the Event	Organized By	Venue	Period	Organizer
One-day Hands-on-Training workshop on COMSOL Multiphysics	ECE Department, NIT Delhi with IEEE NIT Delhi Student Branch	NIT Delhi	March 20, 2024	Convener: Dr. Rikmantra Basu



Name of the Event	Organized By	Venue	Period	Organizer
One-day Distinguished Lecture Series by the ECE Department of NIT Delhi in collaboration with the IEEE Electron Device Society (EDS), Delhi Chapter Expert Talks by: Prof. Mridula Gupta and Prof. Sneha Kabra, University of Delhi	ECE Department, NIT Delhi with IEEE Electron Device Society (EDS), Delhi Chapter	NIT Delhi	April 18, 2024	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
NATIONAL INSTITUTE OF TECHNOLOGY DELHI



Distinguished Lectures



Expert:
Professor Mridula Gupta,
Department of Elec.
Sc., University of Delhi
Former Chairperson, IEEE EDS
Delhi Chapter

**Department of Electronics and Communication Engineering (ECE),
National Institute of Technology (NIT) Delhi**

In Collaboration with
IEEE Electron Device Society (EDS), Delhi Chapter

**Date: Thursday (April 18, 2024)
Time: 10:00 AM Onwards**

Venue: Main Auditorium, Administrative Building, NIT Delhi



Expert:
Professor Sacha Kabra,
Department of Instrumentation
Shaheed Rajguru College of Applied
Sciences, University of Delhi
Treasurer, IEEE EDS Delhi Chapter



Chief Patron:
Professor Ajay K Sharma
Director, NIT Delhi



Conveners: Dr. Manisha Bharti and Dr. Rikmantra Basu Department of ECE, NIT Delhi



Patron:
Professor Manoj Kumar
Head of the Department of
ECE, NIT Delhi

All are Cordially Invited



Name of the Event	Organized By	Venue	Period	Organizer
Expert Disquisition on Comprehensive Guide to Intellectual Property Rights, Patents, Designs and Trademarks, organized by the ECE Department of NIT Delhi in association with the Indian Women Scientists' Association (IWSA) Delhi Branch. Expert Talk by Dr. Debashish Banerjee, Assistant Controller of Designs and Patens, Indian Patent Office Delhi, Ministry of Commerce and Industry, Govt. of India	ECE Department of NIT Delhi in association with the Indian Women Scientists' Association (IWSA) Delhi Branch.	NIT Delhi	April 19, 2024	Chairman: Prof. Manoj Kumar Convener: Dr. Rikmantra Basu and Dr. Manisha Bharti





Name of the Event	Organized By	Venue	Period	Organizer
Short Term Course on Advances in Signal Processing, Communication and VLSI Design (ASPCV-2024) during April 22-27, 2024.	ECE Department, NIT Delhi	NIT Delhi	April 22-27, 2024	Chairman: Prof. Manoj Kumar Convener: Dr. Manisha Bharti and Dr. Sandeep Kumar



Name of the Event	Organized By	Venue	Period	Organizer
Hands-on Session on Digital Design Flow in FPGA and RTL to GDSII	Dept. of ECE, NIT Delhi	NIT Delhi	09-14, September 2024	Conveners: Dr. D.Vaithyanathan Dr. Preeti Verma Coordinators: Dr. Baljit Kaur Dr. Manish Verma





Name of Event	Organized By	Venue	Period	Organizer
Name of the Event				
Design of SRAM circuits for low power and radiation hardened application	Dept. of ECE, NIT Delhi	Mini Campus NIT Delhi	16, October 2024	Coordinators: Prof. Jyoteesh Malhotra Dr. Sachin Agrawal Dr. Dharmendra Kr. Jhariya



Name of the Event	Organized By	Venue	Period	Organizer
First International Conference on Electronics, Communication and Signal Processing (ICECSP 2024)	ECE Department of NIT Delhi	NIT Delhi	August 08-10, 2024	Chair: Prof. Manoj Kumar Secretary: Dr. Rikmantra Basu and Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
24th IEEE International Conference on Numerical Simulation of Opto-electronic Devices (NUSDO) 2024	ECE Department of NIT Delhi	India Habitat Centre	September 23-26, 2024	Organizing Chair: Dr. Rikmantra Basu, NIT Delhi Dr. Kankat Ghosh, IIT jammu



Name of the Event	Organized By	Venue	Period	Organizer
The Future of Nanotechnology in VLSI	Dept. of ECE, NIT Delhi	NIT Delhi	18-23, November 2024	Conveners: Dr. V S Pandey Dr. Preeti Verma Coordinators: Dr. Harish Kumar Dr. D.Vaithiyanathan



Name of the Event	Organized By	Venue	Period	Organizer
Expert Lecture on “Variability-Aware Characterization of Memristors for Neuromorphic Applications”	Dept. of ECE, NIT Delhi	NIT Delhi	23, January 2025	Coordinators: Dr. Sandeep Kumar Dr. Manisha Bharti



Name of the Event	Organized By	Venue	Period	Organizer
Six days Short Term Course (STC) on topic "Analog ICs and Semiconductor Advancements in VLSI"	Dept. of ECE, NIT Delhi	NIT Delhi	During 10 th -15 th February 2025	Convener(s): Dr. D. Vaithiyanathan Dr. Manish Verma Coordinator(s): Dr. Baljit Kaur Dr. Preeti Verma



The ECE Department of National Institute of Technology Delhi (Nit Delhi) organized a six-day Short-Term Course (STC) at the Institute from 10th to 15th February 2025. The event commenced with the traditional Indian ritual of lighting the lamp in honor of Mata Saraswati, the goddess of knowledge, symbolizing the start of a knowledge-driven program. The ceremony was graced by esteemed dignitaries including #Director, Prof. (Dr.) Ajay K Sharma, Registrar Prof. (Dr.) Hitesh Sharma, Dean (F&W) Prof. Manoj Taleja, HoD ECE Department Dr. Rikmantra Basu, Conveners Dr. Vaithiyanathan Dhandapani and Dr. Manish Verma, Coordinators Dr. Baljit Kaur and Dr. Preeti Verma, Dr. Manisha Bharati and Dr. Sandeep Kumar. Dr. Baljit Kaur, the program Coordinator, began by presenting an overview of the STC, outlining its objectives and key topics to be covered. The coordinators expressed their appreciation for the leadership and vision of Director Prof. (Dr.) Ajay K Sharma, along with Registrar Prof. (Dr.) Hitesh Sharma, by presenting them with mementos as a token of gratitude. In his inaugural address, Director Prof. (Dr.) Ajay K Sharma emphasized the significance of the STC and the role it plays in advancing knowledge in the field of VLSI and semiconductor industry. He highlighted the importance of such courses in shaping future engineers and commended the department's efforts in organizing the program. Following this, Director Prof. (Dr.) Ajay K Sharma expressed his gratitude by presenting mementoes to all the team Conveners and Coordinators for organizing the program. After that Convener Dr. Manish Verma provided an overview of the expert talks scheduled for all six days. Following the inauguration, the first session was delivered by Dr. Udit kumar on the topic "Semiconductor ecosystem". The program concluded with the vote of thanks by the Convener Dr. Vaithiyanathan Dhandapani.



Name of the Event	Organized By	Venue	Period	Organizer
on “5G radio network planning using Altair. WinProp.”	Dept. of ECE, NIT Delhi	NIT Delhi	March 25, 2025	Coordinators: Dr. Dharmendra K. Jhariya Dr Sachin Agrawal



Name of the Event	Organized By	Venue	Period	Organizer
Six days workshop on “Beyond Connectivity: The Evolution of Next-Gen IoT with Hands on Experience”	National Institute of Technology, DELHI Department of Science & Technology (DST), Government of India in collaboration with iHub - AWaDH@IIT Ropar NIT Delhi	NIT Delhi	March 19-24, 2025	Convener: Dr. Dharmendra K. Jhariya Coordinators: Dr. Mahesh K. Singh Dr Anurag Singh Dr Pankaj Mukhija Dr Anmol Ratan Saxena and Dr Sahil





Name of the Event	Organized By	Venue	Period	Organizer
Seminar on “Career Opportunities for Engineering Students in Management”	National Institute of Technology, DELHI	NIT Delhi	March 26, 2025	Coordinators: Dr. Sandeep Kumar Dr. Manisha Bharti

A seminar titled “Career Opportunities for Engineering Students in Management” was organized by the Department of Electronics and Communication Engineering, NIT Delhi, on March 26, 2025. The event was organized (as Secretary) by Dr. Sandeep Kumar (Assistant Professor, ECE Department) and Dr. Manisha Bharti (Associate Professor, ECE Department). The seminar aims to guide students in preparing for competitive exams such as CAT and GMAT and enhance their personality development skills, which play a crucial role in campus recruitment and career progression. To enrich the seminar, industry experts, including alumni from IIMs and other top business schools, in collaboration with the Career Launcher team, were invited to deliver insightful talks.



Name of the Event	Organized By	Venue	Period	Organizer
one Week Short-Term (STC) Course on “AI-Driven Signal Processing & VLSI for Wireless Communication (ASPVWC-2025)”	National Institute of Technology, DELHI	NIT Delhi	April 21-26, 2025	Coordinators: Dr. Sandeep Kumar Dr. Manisha Bharti

A one Week Short-Term (STC) Course on “**AI-Driven Signal Processing & VLSI for Wireless Communication (ASPVWC-2025)**” was organized by ECE Department of NIT Delhi during **April 21-26, 2025**. This program was coordinated by **Dr. Manisha Bharti** (Associate Professor, ECE Department) and **Dr. Sandeep Kumar** (Assistant Professor, ECE Department). The course focused on the pivotal role of advanced signal processing techniques and VLSI design in the development of next-generation wireless communication systems. It emphasized how Artificial Intelligence enhances conventional signal processing approaches to optimize data transmission, spectral efficiency, and overall system reliability. The program also explored the integration of intelligent algorithms into scalable and energy-efficient VLSI architectures, crucial for real-time and low-power wireless applications. This STC was designed for **researchers, academicians, and industry professionals** interested in the convergence of **AI, signal processing, and VLSI** in shaping the future of wireless technologies. **Experts from the different IITs/NITs/IITs/other reputed Indian and Foreign institutes** were invited to deliver lectures in this course. More than 90 participants from various working/ teaching/ research professions have registered in this online STC.



AI-Driven Signal Processing & VLSI for Wireless Communication (ASPVWC-2025) April 21 - 26, 2025 (Hybrid Mode)

For Any Query Contact

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List of Experts

- Prof. (Dr.) Manish Aggarwal, IIT Delhi
- Prof. (Dr.) Manish R. Bhattacharya, IIT Delhi
- Prof. (Dr.) Jyoti Singh, IIT Patna
- Prof. (Dr.) Dipak Kumar Singh, University of Johannesburg, South Africa
- Prof. (Dr.) Bishal Gupta, IISIT Delhi
- Dr. Anurag Kishor, IIT Guwahati
- Dr. Jyoti Kishor, IIT Roorkee
- Prof. (Dr.) Manish Kishor, IIT New Delhi
- Dr. Deepak Kishor, IIT Jodhpur
- Dr. W. Venkatesh Dutt, IIT Madras
- Dr. Ravi Kumar Arya, Zhongshan Institute of Changchun University of Science and Technology, China

Organizing Committee

- **Chief Patron**
Prof. (Dr.) Ajay K. Sharma
Director, NIT Delhi
- **Patron**
Dr. Anurag Kishor
Vice-Chancellor, NIT Delhi
- **Coordinators**
Dr. Manish Kishor
Associate Professor
Department of ECE, NIT Delhi
Dr. Sandheep Kumar
Assistant Professor
Department of ECE, NIT Delhi

About National Institute of Technology Delhi (NITD)

NITD is one of the thirty-one NITs established in the year 2000 by an act of parliament and has been declared as an Institute of National Importance. NIT Delhi is an autonomous institute which functions under the aegis of Ministry of Education, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences and Humanities for advance learning and dissemination of knowledge. Currently, the institute offers B.Tech. programs in Computer Science and Engineering, Biomedical and Communication Engineering, VLSI Design, Electrical and Electronic Engineering, Mechanical and Aerospace Engineering and Civil Engineering. The institute also offers M.Tech. and Ph.D. programs in all streams.

About the Department

The department of Electronics and Communication Engineering was established in 1985, immediately with the beginning of the institute under the aegis of Ministry of Human Resource and Development (MHRD), Govt. of India. Currently it is offering Undergraduate (B.Tech) course and Post Graduate (M.Tech) courses in ECE and in VLSI Design. The Department offers PhD programs in areas like signal processing, communication, VLSI design, electronic devices and circuits, electronic measurement and instrumentation, microprocessor and microcontrollers, microwave and antenna design, optical fibre communication and optical devices.

About Course

The ETC in 'AI-Driven Signal Processing & VLSI for Wireless Communication' focuses on the critical role of advanced signal processing techniques and VLSI design in the evolution of modern wireless systems. It highlights how AI enhances traditional signal processing methods to improve data transmission, spectral efficiency, and system reliability. The program also explores the integration of these intelligent algorithms into efficient and scalable VLSI architectures, essential for real-time and low-power wireless communication. This ETC is tailored for researchers, academicians, and professionals keen on understanding the synergy between AI, signal processing, and VLSI in shaping the future of wireless technologies.

How to Register

The interested candidates can register through the following link:
Registration Link: <https://forms.gle/yarh3p7v7m8t5t4>

The registration fee for the course is as follows:

US\$10/INR 4000
Faculty: INR 400
Industry personnel: INR 500

The candidates can deposit the registration fee online in the account details given below:

Bank Name: Bank of Baroda
Bank Account Name: NATIONAL INSTITUTE OF TECHNOLOGY DELHI
Bank Account No.: 3022030000384
IFSC: BOB0000006



Name of the Event	Organized By	Venue	Period	Organizer
Six days STC on “Silicon to Systems: Advancing VLSI Design in an AI and Quantum-Conscious Era”	Department of ECE, National Institute of Technology, DELHI	NIT Delhi	August 27- September 2, 2025	Convener: Dr. V S Pandey Dr Preeti Verma Coordinators: Dr. D Vaithiyanathan Dr Manish Verma





Name of the Event	Organized By	Venue	Period	Organizer
One Day Workshop on "COMSOL Technical Day"	Department of ECE, National Institute of Technology, DELHI	NIT Delhi	September 10, 2025	Coordinators: Prof. Manoj Kumar Dr. Rikmantra Basu



Name of the Event	Organized By	Venue	Period	Organizer
Two Days' Workshop on Advanced Photonic System Simulations with Optiwave - 2025	Department of ECE, National Institute of Technology, DELHI	NIT Delhi	November 26-27, 2025	Coordinators: Prof. Jyoteesh Malhotra Dr. Manisha Bharti

