



## CHIEF PATRONS

- Prof.(Dr.) Vinay Kumar Pathak, VC, AKTU
- Shri B.L. Gupta, Chairman, GNIOT
- Shri Rajesh Gupta, Vice Chairman, GNIOT

## PATRONS

- Shri Gaurav Gupta, Member of Management, GNIOT
- Dr. Rohit Garg, Director, GNIOT
- Dr. Sudhir Kumar, Dean Academics, GNIOT

## ORGANIZING COMMITTEE

- Mr. Vivek Gupta
- Dr. Anil Dubey
- Dr. Rakhi Bhardwaj
- Dr. Pooja Saxena
- Mr. Priyesh Tiwari
- Mr. Mukesh Ojha
- Mr. Pavel Saini
- Mr. Shiv Narain Gupta
- Mr. Harvinder Jindal
- Mr. Nitin Punyani
- Mr. Abhishek Kaushik
- Mr. Ankit Jayant
- Mr. Rahul Dev
- Ms. Sonika Saini
- Ms. Rajni Gupta
- Mr. Sanjay Sharma
- Ms. Nishi Atray
- Mr. Satendra Sharma
- Mr. Deepak Kumar
- Ms. Shipra Gupta
- Ms. Ankita Aggarwal
- Ms. Richa Singh
- Ms. Tanu Sharma

## SPEAKERS/EXPERTS

- Dr. Arti Noor  
Director, Centre for Development of Advanced Computing (CDAC), Noida
- Dr. M.N. Hoda  
Director, Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM), New Delhi
- Dr. R.L. Yadav  
Prof., Galgotia's College of Engg. & Tech., (GCET), Greater Noida
- Dr. Abhimanyu  
Guru Jambheshwar University of Science and Technology, Hisar
- Dr. Parvin Kaushik  
Krishna Institute of Engg. & Tech. (KIET), Ghaziabad
- Mr. Somil Saxena  
Manager - Technical, EIGEN Technologies, Noida

## CONVENER

- Dr. Shelly Garg, Dean ECE & EE, GNIOT

## ADVISORY COMMITTEE

- Dr. Vinod Kapoor, NIT, Hamirpur
- Dr. Sandeep Arya, GJUS&T, Hisar
- Dr. Manoj Taleja, GGSIP, New Delhi
- Dr. Rajveer Singh Yudhvanshi, AIACTR, New Delhi
- Dr. Brijesh Kumar Kaushik, IIT Roorkee
- Dr. S. N. Sharan, Manipal University, Jaipur

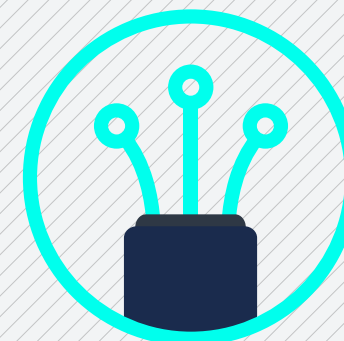
## TECHNICAL COMMITTEE

- Dr. Rajdev Tiwari, Dean CS, IT & MCA
- Dr. R.K. Tewatia, HOD CE
- Dr. B.S. Chauhan, Dean, 1<sup>st</sup> Year
- Prof. S.P. Saini, EE

## FACULTY DEVELOPMENT PROGRAM

ON

# OPTICAL COMMUNICATION AND NETWORKS



ORGANISED BY  
DEPARTMENT OF  
**ELECTRONICS AND COMMUNICATION  
ENGINEERING**  
OF  
**GREATER NOIDA INSTITUTE OF  
TECHNOLOGY**

SPONSORED BY  
**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW (UNDER TEQIP-III)**

**29<sup>TH</sup> NOVEMBER - 3<sup>RD</sup> DECEMBER, 2018**



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# OPTICAL COMMUNICATION AND NETWORKS

## ABOUT GNIOT

Established in the year 2001, GNIOT group of institutions has become one of the leading institutions for Management and Engineering programs worldwide. The founders are some of the best minds from the corporate and academic worlds. In their perspective, the changing business landscape requires young leaders to have understanding of developing economies and global practices. Assets of GNIOT:

- Total Students/Seats: 5232
- Programs: B.Tech./M.Tech/MCA/MBA
- Branches/Streams: CS/IT/EC/EE/ME/CE/AE

## ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering established in 2001 with a vision to promote the technical excellence in the field. The department aims to produce engineers with dynamic personality adaptable to ever increasing demand of emerging technologies involving analytical and practical skills, with commitment to research and development. The pass out students of the department are performing extremely well in almost-all the leading organization and making the name of the department brighter.

## CONTACT DETAILS

- Mr. Vivek Gupta : 9711328264
- Mr. Priyesh Tiwari : 9868483013

## ABOUT THE FDP

Fiber optic communication is an emerging technology with scope to offer wider bandwidth, higher speed, reliable and secure data transmission. Fiber optic technology is useful in the networks providing broadband services through fiber to home networks. The advances in fiber optics are not limited to the field of communication engineering, but also applied in various fields like computing, sensing and processing. The program is also extended to provide hands-on experience, project execution and demonstration of various research oriented hardware and software tools.

## REGISTRATION INFORMATION

Faculty and research scholars from engineering colleges, who wish to improve their research horizons in the field of Optical Communication and Networks can attend this program.

**Registration Fee: NIL**

## GENERAL INFORMATION

- The number of participants is limited to 30.
- Course material, software and tools will be made available.
- Refreshment and lunch will be provided.
- Accommodation can be arranged free of cost at the campus.

## DAY-WISE SCHEDULE

### Day 1: Introduction

Overview of Optic Fiber Communication and Network components.

### Day 2: Optical Losses & Their Correction

Hands-on practice on loss and dispersion measurement using OPTSIM Software.

### Day 3: Optical Communication

To understand

- Optical sources
- Receivers

along with their

- Efficiency
- Performance
- Configuration

### Day 4: Optical Networks

Basic concepts of optical networking

- Optical devices & components
- Optimization of optical networks

### Day 5: Applications & Latest Trends

Know about:

- Real world applications
- Latest trends of optical communication
- Research issues in optical communication



Information  
Exchange



Expert Interaction



Hands-on Lab  
Experiment

REGISTRATION DEADLINE  
**22<sup>ND</sup> NOVEMBER, 2018**