

(Lecture Hall/Labs in Bharti Building, IIT Delhi)
For

Training Programs on IoT, 5G PHY Layer, LiFi & 5G Network Security

Month: February, 2025

Duration: Six Hours a day (Two-session of 2 Hours each)

Registration link:

<https://forms.gle/FsVWLMHsGwGrgC56>

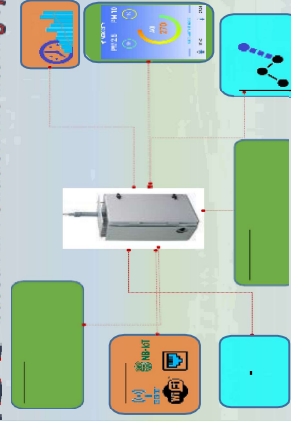
About the Workshop

IIT Delhi under “Indigenous 5 G Test Bed O&M project” is conducting a training workshop for **personnel from startups, R&D Organizations, Industry, MSME, PSU, Non- Indian entity, research scholars, etc.** This developed End-to-end 5G test bed enable participants to test and validate their products locally and reduce dependence on foreign facilities. Hence, it is imperative for the users to have a good understanding of available services at IIT Delhi and develop the expertise to apply this knowledge to product development. Further, industry experts will explain functionality and utility of procured scientific instruments. The workshop includes technical presentations by the IITD Professors and industry experts and hands-on demo sessions using the hardware and software tools.

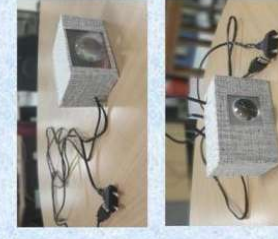
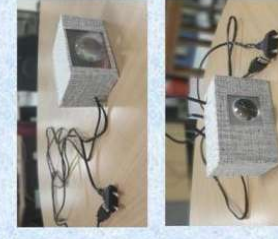
Participants are invited to join for lectures, or Hands-on in-person Bharti Building, IIT Delhi. The industry talks are scheduled in-person as well, so participants get a chance to interact directly with the experts.



IoT based Air Pollution Monitoring System



Designed LiFi Modules



Principal Investigator:
Prof. Huzur Saran,

Co-Principal Investigator:
Prof. Brejesh Lal,

Contact: 5gtbiitd@gmail.com

S.No	Training Modules	Brief Overview	Dates & Time	Professors in charge
1.	LiFi	Optical Wireless Communication and and test various algorithms, LiFi Module	February 17th, [11:00am to 12pm and 1pm to 4pm]	Prof. AbhishekDixit
2.	IoT Setup	IoT network & LPWAN Technologies, Data Analysis.	February 18th, [11:00am to 12pm and 1pm to 4pm]	Prof. Monika Aggarwal
3	IoT Setup 5G & IoT security	5G Authentication and key agreement protocols, D2D Authentication and Provenance protocols for V2Vscenario.	February 19th, [11:00am to 12pm and 1pm to 4pm]	Prof. Harshan Jagadeesh
4.	5G Phy Layer	5G NR Waveform, implementation and testing algorithm on key sight platform.	February 20th, [11:00am to 12pm and 1pm to 4pm]	Prof. Saif K. Mohammed

Note: Participation is subject to Confirmation, Availability of Seats. Attendance is Mandatory