The development of networks and communication protocols has led to emergence of various next generation networks including IoT and Sensor Networks, Cloud /Fog/Edge Computing, Vehicular Networks, Cognitive Radio Networks, AdHoc Networks etc. The exponential growth in the field of network and communication has created challenges and more opportunities for academicians, researchers and network professionals. This short-term course will deliberate on emerging network and communication technologies covering a broad selection of topics in data communications, resource management, network protocols, distributed computing, information management, user interfaces, applications/services, and security. The participants (faculty, young professionals, research scholars and students) will learn more about new research areas and future challenges in the area of networks and communication and its enabling technologies, along with exploring a rich body of exciting ideas, solutions, and paradigm shifts.

CALL FOR PARTICIPATION

The Department of Computer Science & Engineering, National Institute of Technology Hamirpur, is organizing the e-Short Term Course intended for Faculty, PG students and Research Scholars of recognized Technical & Engineering Institutes. The course will run in online mode.

This course is devoted to cover various technical issues related to design, development, and analysis of novel architectures, platforms, protocols, and applications in networks and communication. Topics of interest include, but are not limited to:

- Introduction to Networks and Research challenges
- Challenges in the design of MANETs and WSNs
- Cloud Computing: Applications and Design Challenges
- Underwater Sensor Networks
- Opportunistic Networks
- Data gathering and caching in MANETs/WSNs
- Energy efficient data/query dissemination in WSNs
- Adapting generic network algorithms to MANETs/WSNs
- Application of AI and Block chain in Networks
- Internet of Things/Internet of Vehicles
- Cognitive Radio Networks

COURSE FACULTY

Faculty from IITs, NITs, other premier institutions and experts from industry will deliver the lectures.

IMPORTANT DATES

Registration starts from	Nov 18, 2021
Last date for Receiving Application	Nov 30, 2021
Selection Notification	Nov 30, 2021

REGISTRATION FEE

Faculty: Rs 500/-
PG/ Research Scholars: Rs. 200/-
Industry Personnel: Rs 1000/-

There will be no fee for IEEE ComSoc Student members and IEEE ComSoc members of Delhi Chapter. ComSoc members from Delhi Chapter can send their participation request with membership proof, directly to nitin@nith.ac.in.

Registration Link for others:
https://forms.gle/ye5ioiTwUZ3A5w3A9

Instruction to submit the fee:

1. Go to "https://www.onlinesbi.com/sbicollect/"
2. Select **State of Corporate / Institution** * as "Himachal Pradesh" and **Type of Corporate / Institution** * as "Educational Institutions".
3. Select **Educational Institutions Name** * as "NIT Hamirpur".
4. Select **Payment Category** * "Workshop STC FDP Conference"

Fill the details correctly about the STC and print the receipt.

Patron Prof. Lalit Kumar Awasthi (Director, NIT Hamirpur) **Chairperson** Dr. T.P. Sharma (Head DoCSE)
Convenor Dr. T.P. Sharma **Coordinator** Dr. Priyanka & Dr. Nitin Gupta, Assistant Professor, DoCSE
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