



**TEQIP Phase-III Sponsored One Week Online STTP on
“Open source Technologies in Cyberspace”
(OTC-2020)**

23rd - 27th November 2020

Organized by

**COEP's Information and Cyber Security Research Group
(COEP's ICSRG)**

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**Department of Computer Engineering and IT,
College of Engineering Pune
(An Autonomous Institute of Govt. of Maharashtra)**

In Association with



About COEP

Established in 1854, the College of Engineering Pune (COEP) has a glorious history of excellence in engineering education. COEP has witnessed many notable alumni like Bharat Ratna Sir M. Visvesvaraya, Prof. Thomas Kailath, and Dr. C.K.N. Patel (both decorated with coveted IEEE Medal of Honor) and scores of others. COEP was granted autonomy in the year 2003. Today, it continues to be a role model for the technical institutes of India. The hallmark of COEP is its strong and widespread alumni network, support of the industry, and the companionship that the institute shares with several foreign universities. COEP is consistently ranked amongst the top 20 technical institutes in India. It is the only institute in Maharashtra state which has two Centers of Excellence under TEQIP, namely, Center for Smart Renewable Energy Systems and Center for Signal and Image Processing. Center for Smart Renewable Energy Systems, plays a remarkable role in research and technology innovations for solar-thermal systems, grid, and off-grid solar/wind systems, real-time simulation of the energy systems, and energy management. It also aims at addressing other critical areas in energy systems that are essential for economic development in the state of Maharashtra and beyond. Center for Signal and Image Processing, is focused on investigation, research, and experimentation spanning over a diversified range of signal processing and contributes to developing real-life applications useful to industry and society at large.

Department of Computer Engineering & IT

The Department of Computer Engineering and Information Technology, established in 1992, offers two undergraduate programs, namely, B. Tech (Computer Engineering) and B. Tech (Information Technology). The Department offers two postgraduate programs M. Tech (Computer Engineering) and M. Tech (Information Security). The department is a recognized research center under Savitribai Phule Pune University for the Ph.D. (Computer Engineering) program. The faculty of the department is actively engaged in research in the areas of Cloud Computing, Information Security, Cyber Security, Machine Learning, Natural Language Processing, Data Analytics, Bioinformatics, Networking, Green Computing, Signal Processing, Multimedia, and Embedded Systems. The department promotes open-source software development. The department boasts of having a strong alumni base and industry association.

About IET

The IET is one of the world's largest engineering institutions with over 168,000 members in 150 countries. It is also the most multidisciplinary – to reflect the increasingly diverse nature of engineering in the 21st century. The IET is working to engineer a better world by inspiring, informing and influencing our members, engineers and technicians, and all those who are touched by, or touch, the work of engineers.

IET Pune Local Network

IET India has eight Local Networks across India. IET Pune local Network is one of the active and energetic in engaging and motivating young engineers including students to get the best out of the IET. Local Networks are groups of IET members and volunteers in a geographic region. The Local Networks take the IET's mission forward through a range of activities and initiatives

relevant to their regions. Local Networks are led by the IET's senior members and volunteers who are drawn from the industry and academia.

About STTP

Department of Computer Engineering and IT, College of Engineering Pune (COEP) introduces the one-week online STTP on Open source Technologies in Cyberspace (OTC-2020). With our combined expertise and strength in the field of Computer Engineering, we hope to bring you the state-of-the-art for the awareness and uses of open source technologies in the domain of Cyberspace.

OTC-2020 aims to continue the practice of providing hands-on experience to the participants in network simulation tools (ns-3), Contiki operating systems for IoT, setting up real-time networking testbeds using network namespaces over the Linux kernel, security aspects of computer networks and IoT, and introduction to the online development tools like GIT for the contribution in open source technologies.

Objectives of the STTP

- Introduction to ns-3 simulator
- Hands-on the ns-3 simulator
- Introduction to network namespaces and setting up network testbed using network namespaces over Linux kernel
- IoT fundamentals
- Setting up and handling the Contiki operating system for IoT
- Security aspects in Computer Network and IoT
- Contributing to the open-source technologies using GIT

For more details please refer to: <http://www.coep.org.in>

Resource Persons

Experts from IITs/NITs, COEP, and Industry

Who Can attend the STTP

This workshop is open to UG & PG students, Research scholars, Faculty members, and Industry professionals. Registration will be based on a First Come First Served basis.

Registration Fee *

UG & PG Students:	₹ 590
Research Scholars:	₹ 885
Faculty Members:	₹ 1180
Industry Professionals:	₹ 2360

* All the above amounts are inclusive of 18% GST

Registration should be finalized with online payment on or before 18th November 2020 using the following bank details with payment subject COEP OTC-2020

Name of Account: Director, College of Engineering Pune.
Account No: 11099464977
Bank Name: STATE BANK OF INDIA
Branch: College of Engineering Pune, Shivajinagar, Pune-411 005
Branch code: 10431
IFSC Code: SBIN0010431

Registration link : <https://forms.gle/uFmcWbN4LBYy5Xh49>

Notes:

- The workshop is fully online hence no physical boarding and lodging will not be provided.
- Limited participants will be selected based on first-cum-first-serve basis.
- Digital Certificate will be provided to the participants.

Important Dates:

Last Date of Registration : 18-11-2020
Notification of Acceptance : 20-11-2020

PATRONS

Prof. B. B. Ahuja, Director COEP.
Prof. M. S. Sutaone, Deputy Director COEP.
Prof. Jibi Abraham, Dean Academics COEP.
Dr. V. Z. Attar, Head, Department of Computer Engineering and IT, COEP

STTP COORDINATORS

Dr. Sachin Patil, Assistant Professor, Department of Computer Engineering and IT, COEP
Mr. Deepak Kshirsagar, Assistant Professor, Department of Computer Engineering and IT, COEP

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