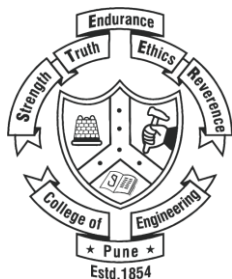


One Week
Faculty Development Program
on
CYBER SECURITY AND BLOCKCHAIN
Awareness, Use cases and Challenges
(Jan 04 - 08, 2021)



Organized by
Department of Computer Engineering and
Information Technology,

under
Information Security Education and
Awareness (ISEA) Project, Phase-II

College of Engineering, Pune (COEP)
(An Autonomous Institute of Govt. of Maharashtra)
Shivajinagar, Pune -411005

INTRODUCTION

In today's scenario as the Covid-19 pandemic has led everyone to use the digital technologies. With the enlarged use of these digital devices and services one has to be aware of cyber crimes and ways to be secure in digital way. In Blockchain-based systems, data and authority can be distributed, and reliable transaction ledgers created. During this FDP we will explore Blockchain within cybersecurity and consider their requirements for privacy awareness. Comparing these requirements with the privacy provision of Blockchain and explore the trade-off between security and privacy with use cases, reflecting on the effect of using privacy-enabling approaches on the security advantages that Blockchain can offer.

FDP OBJECTIVES

- To provide an understanding of principal concepts, major issues, technologies and basic approaches in Blockchain.
- To spread awareness of increasing cyber-security and measures to be taken to elude them.
- To understand use of Blockchain Technology in Power Sector.
- To furnish hands-on experience of Streamlining Supply chains Using Blockchain.
- To get acquainted with research areas in Securing cloud infra/services with Blockchain and related domains.

TOPICS

- Cyber Security trends
- Introduction to Blockchain
- Use of Blockchain Technology in Power Sector
- Streamlining Supply chains Using Blockchain in the New Normal
- Decentralized Secure Sharing Protocol on Quorum
- Securing cloud infra/services with Blockchain- Research areas and scope

ELIGIBILITY

The faculty members from engineering colleges recognized by AICTE / industry personnel with basic knowledge of related field are eligible for this course.

REGISTRATION FEES

No registration fees for participation. However, participants are required to send a scan copy of registration form (generated after online registration through the link given below) duly signed by Head of Department or Institute on or before 31st December 2020. Number of participants are limited to thirty only.

Link: <https://forms.gle/9DeLKbosMcM45LNS9>

ABOUT COEP

College of Engineering, Pune chartered in 1854 is a nationally respected leader in technical education. The institute is distinguished by its commitment to finding solutions to the great predicaments of the day through advanced technology. The institute has a rich history. COEP offers a unique learning experience across a spectrum of academic and social experiences. With a firm footing in truth and humanity, the institute gives an understanding of both technical developments and the ethics that go with it. The curriculum is designed to enhance academic experience through opportunities like internships, study abroad programs and research facilitates. The hallmark of COEP education is its strong and widespread alumni network, support of industry and the camaraderie that the institute shares with several foreign universities. The institute is consistently ranked amongst the top twenty colleges in India and its alumni have contributed a lion's share in development of national infrastructure.

ABOUT DEPARTMENT

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), and two post graduate programs namely M.Tech (Computer Engineering) M.Tech (Computer Engineering - 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, Machine Learning, Natural Language Processing, Data Analytics, Bio-informatics, Networking, Green Computing, Signal Processing, Multimedia and Embedded Systems. The department promotes open source software development. The department has strong alumina base and industry association.

PATRONS

Prof. B. B. Ahuja, Director, COEP
Prof. M. S. Sutaone, Deputy Director, COEP

HEAD OF DEPARTMENT

Dr. Vahida Z. Attar

COORDINATORS

Dr. Vinod K. Pachghare
Dr. Sunil B. Mane

ORGANISING COMMITTEE

Mrs. Rohini Sarode
Ms. Sheetal Ds. Rathod
Mr. Rahul B. Adhao
Ms. Nikita Mahajan
Mr. Pravin Pawar

RESOURCE PERSONS

Experts from R&D Organisations, Government Departments, IT industries and Academics

IMPORTANT DATES

- Last date for the submission of scanned copy of registration form: **On or before Dec 31st, 2021**
- Confirmation to the short-listed participants by mail : **Jan 2nd, 2021**
- Course commencement date: **Jan 04th, 2021**

CONTACT ON

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How to Apply :

Candidates should fill the online application form on the following link. After submission of such application, you will be replied with the pdf of the same on which you need to take signature of your Head of the Department/Institute and send to mail id: rys.comp@coep.ac.in

Application Link : [www.coep.org.in/upcoming events](http://www.coep.org.in/upcoming_events)

ABOUT ISEA

Keeping in view the pervasive nature and impact of cyber security on all walks of life - economic and social, Government of India has identified Information Security as one of the major thrust area for launching various development programs. One of the key elements essential for information security is availability of right kind of qualified and well-trained human resources, who could take up Research & Development (R&D), develop indigenous solutions / software, secure and maintain various systems including critical infrastructure. Ministry of Electronics and Information Technology (MeitY) has approved a project in 2005 entitled Information Security Education and Awareness (ISEA) which was completed in 2014 and Phase II of the said Project was approved in April 2014 with an outlay of Rs. 96.08 crore for a period of 5 years.