About the Course:

Due to the advancements in the technologies, the traditional security and privacy solutions face the challenges to detect, react and prevent the advanced sophisticated attacks. There is a need of reinvestigating or extending the existing solutions to make the current and future technologies security and privacy risks free. This FDP aims at enhancing knowledge and awareness about recent advancements and emerging technologies with special emphasis on its real-world applications in security and privacy. It will cover fundamentals of security and privacy with the challenges, advanced techniques and tools. During this FDP, the participants will learn about the current and future security and privacy threats and challenges, and also methodologies and possible solutions to make current and future technologies security and privacy risks free. The participants will develop an excellent understanding of current cyber security issues and an expertise to address them.

The major topics (but not limited) of this FDP are as follows:

- Security and Privacy Threats and Challenges
- Penetration Testing
- Malware Analysis
- Quantum Cryptography
- Securing Cyber Physical Systems and Industrial IoT
- IT and OT Security
- Privacy in E-Health and other Systems
- Zero Trust Architectures
- Security and Privacy Compliances
- Offensive and Defensive Security

Resource Persons:

The resource persons will be from various IITs/ NITs/Industry/NFSU/other organizations etc.

Patron

Prof. (Dr.) Omprakash R. Jaiswal
(Director, NIT Goa)
Prof. (Dr.) Anupam Shukla
(Director, SVNIT Surat)

Coordinator(s)

Dr. Chirag Modi, NIT Goa
Dr. S. Mini, NIT Goa
Dr. Sankita J Patel, SVNIT Surat
Dr. Bhavesh N Gohil, SVNIT Surat

Registration Details:

- Last date for registration: **10/01/2027**
- Confirmation to the participants (by email): **15/01/2027.**
- The confirmation of the participants will be sent through email.
- There is no registration fee involved to attend the course. However, registration is mandatory to attend the course.
- No TA/DA will be provided.
- Limited accommodations are available in the Institute Hostel on a payment basis with prior request through mail.
- To register, please scan the QR code or click the link provided below.

https://faas.isea.app/formview/FDP20261014BKGE

www.isea.gov.in

इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
सत्यमेव जयते

Information Security Education and Awareness (ISEA) Phase-III
Sponsored

Faculty Development Programme
on

Security and Privacy Solutions for Advanced Technologies

10– 14 February, 2027

Jointly Organized by

Dept. of Computer Science and Engg.
National Institute of Technology Goa (NIT Goa)
&
Dept. of Computer Science and Engg.
Sardar Vallabhbhai National Institute of Technology Surat (SVNIT Surat)

About ISEA Phase-III

Information Security Education and Awareness (ISEA) is an initiative of Ministry of Electronics and Information Technology (MeitY), Government of India for generating human resources in the area of Information Security and creating general awareness on Cyber Hygiene/Cyber Security among the masses.

ISEA Project (started in 2005 and currently in its third phase since Oct. 2023 onwards) is aimed to create a robust training & certification mechanism for CISOs, Deputy CISOs, and Associate teams of CISOs/Aspirants, groom students towards products/ solutions development through ideation & innovation activities, advance research & education in emerging/futuristic areas of Information Security, and build cyber-aware digital naagriks through mass awareness.

About NIT Goa

The National Institute of Technology Goa (NIT Goa) is a premier technical Institute of the region. NIT Goa was established in the year 2010 by an act of parliament (NIT act 2007) and it is declared as 'Institute of National Importance'. NIT Goa is an autonomous institute and functioning under the aegis of Ministry of human Resource Development (MHRD), Govt. of India. The campus is located at Farmagudi, Ponda approximately 29 km southeast of Panaji, the capital of Goa and it is a temporary campus. The Institute offers under Graduate courses in Five Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering (3) Electrical and Electronics Engineering (4) Civil Engineering and (5) Mechanical Engineering. The Institute offers Post Graduate courses and Ph.D degree in three Engineering Departments: (1) Computer Science and Engineering (2) Electronics and Communication Engineering and (3) Electrical and Electronics Engineering. The Institute also offers Ph.D degree in Physics, Chemistry, Mathematics, Economics and English specialization.

About SVNIT Surat

The Institute was established as Sardar Vallabhbhai Regional College of Engineering & Technology (SVRCET) Surat in 1961 as one of the Regional Engineering Colleges (RECs) to impart technical education. The Institute had begun with offering Bachelor Degree Programmes in Civil, Electrical and Mechanical Engineering. The Government of India declared the Sardar Vallabhbhai Regional College of Engineering & Technology (SVRCET) Surat to Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat with status of 'Deemed University' with effect from 4th December, 2002. With the enactment of National Institutes of Technology Act-2007, the Institute has been granted the status of 'Institution of National Importance' w.e.f. August 15, 2007. The Institute now offers eleven (11) B.Tech. Degree Programmes, twenty-one (21) M.Tech. Degree Programmes, three (03) Five Years Integrated M.Sc. Degree Programmes in Chemistry, Mathematics & Physics, One (01) Five Years Integrated B.Tech and M.Tech Degree Programme and Master of Business Administration in Business Analytics. Institute offers Doctoral Degree Programme in Engineering, Science, Management and English. Institute also offers M. Tech (R) in all the engineering disciplines. The Institute has been recognized by the Government of India as one of the centres for the Quality Improvement Programme for M.Tech. and Ph.D. Institute has also established the Centre of Indian Knowledge System and Centre for the Tribal Technology Development.

About CSE Department, NIT Goa

The Department of Computer Science and Engineering (CSE) of NIT Goa is started in 2010. It offers 4 years full time B. Tech. degree program, 2 years full time M. Tech. degree program and Ph.D. program in Computer Science and Engineering. The faculty members have expertise in the following areas: mobile computing, machine learning, e-Health, healthcare informatics, data mining, wireless sensor networks, information security, network security, key management, pattern recognition, pattern analysis, AI/ML, computer vision, speech technology, privacy and security, network protocols and wireless networks.

About CSE Department, SVNIT Surat

Department of Computer Science and Engineering offers B. Tech., M. Tech., M. Tech. (R) and Ph.D. degree. The department also offers B. Tech. Minor in Computer Science and Engineering for other discipline students. The department has various specializations like information security, data mining, social network analysis, cloud computing, privacy preserving, cyber security, image processing, computer vision, software engineering. The department has executed several research projects sponsored by different funding agencies. The department has state of art computing desktop PCs, blade servers and super nodes for high performance computing. The department also has aerial drones, wireless network simulator software and sensor motes.

How to Reach NIT Goa

NIT Goa Campus is located at Kottamoll Plateau, Cuncolim Municipal Area, Salcete Taluka, South Goa District, Goa – 403703.

By Air: Dabolim Airport in Vasco, is at a distance of around 38 km from the Institute. Manohar International Airport in Mopa, is at a distance of around 77 km from the Institute

By Rail: The closest major railway station is 'Madgaon Railway Station' which is around 15 km from the institute.

Address for Correspondence

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