

One Week Entrepreneurship and Skill Development Programme (ESDP)

on

Cyber Security Awareness and Protection Against Security Threats

Funded by

**Ministry of MSME,
Government of India**



08th to 12th March, 2024

Organised by



Department of Computer Science & Engineering

National Institute of Technology Sikkim
Ravangla - 737139

About NIT Sikkim

NIT Sikkim is a public engineering and research institution near the city of Ravangla, Sikkim, India. It is one of the 31 NITs in India and has been declared as an Institute of National Importance by the Government of India. It is an autonomous institute and functioning under the aegis of Ministry of Education (Shiksha Mantrayala), Government of India. NIT, Sikkim is one among the ten newly sanctioned National Institutes of Technology by the Government of India under the 11th Five-year Plan, 2009. NIT Sikkim started functioning in August, 2010. Currently, it is being operated from a temporary campus at the Barfung Block, Ravangla Sub-Division of Namchi district. Ravangla campus is surrounded by great scenic beauty. It is likely to continue its activities at Ravangla Campus until its permanent campus comes up at Khamdong, Sikkim. All courses and examinations are conducted in the English language as the only mode of instruction. NIT Sikkim offers a 4-year Bachelor of Technology (B.Tech.) programme in various engineering fields, as well as a 2-year Master of Technology (M.Tech.), Master of Science (M.Sc.) and Ph.D. Programmes. Admissions to undergraduate programmes are taken through IIT-JEE (Main). Admission to the postgraduate courses is through the GATE/JAM.

About CSE Department

The department was established in 2010 with the laying of the foundation of National Institute of Technology Sikkim. The department aims to provide an outstanding research environment complemented by excellence in teaching to produce engineering professionals leading a successful career in industry, academics, and entrepreneurial endeavors. The department offers research in the areas of Cloud Computing, Image Processing, Deep Learning, Internet of Things, Wireless Sensor Network, Parallel-Distributed and High-Performance Computing, and Cyber Security. The department has good laboratory facility with modern equipments to encourage the students to cope up with latest technologies. The department offers B.Tech. and M.Tech. in CSE with an intake of 45 and 22, respectively. The department also awards PhD in several domains and recent trends of CSE.

Objectives of the Programme

The entrepreneurs should be able to widely utilize the Cyber Security skill and resources to set up and run their businesses efficiently and at very low-cost.

- The entrepreneurs should be able to protect any information system, data and network from cyber attacks.
- The entrepreneurs should be able to prevent any unauthorized user access to system/software/application.
- The entrepreneurs should be able to reduce recovery time after any security breach to system/software/application.
- The increase of production and profits lead to increase in employability.



Brief Description of the Topic

Cyber security awareness involves being mindful of cyber security in day-to-day situations. Being aware of the dangers of browsing the web, checking email and interacting online are all components of cyber security awareness. As business leaders, it's our responsibility to make sure everyone considers cyber security an essential part of their role.

Not everyone in an organization needs to understand concepts like SPF records and DNS cache poisoning, but empowering every entrepreneur with information relevant to their role helps them stay safe online, both at work and home. Role-based training for technical and non-technical staff is the best way to prepare the right people for the right cyber security threats.

Cyber security awareness could mean something a bit different to general workforce than it means to technical teams. Management of data, permissions and regulations are topics that an IT team needs to know but aren't necessarily relevant to the rest of the organization. Delivering the appropriate training to each entrepreneur is vital to building a cyber security awareness program that motivates lasting behavior change.

Therefore, equipping the entrepreneurs with cyber security technologies is need of the hour and requires training/workshops.

Resource Persons

Eminent experts from IITs, NITs, IIITs, central universities, industries, etc.

Outcomes of the ESDP Programme

After the training program, the entrepreneurs will be able to:

- widely apply cyber security skills in industries.
- recover and analysis any security breaches.
- monitor the efficiency and security strength of the system/software/application.

Food, Accommodation and Travel

- Free accommodation and food during the workshop.
- A travel grant, up to a maximum of Rs. 7,000/- or the actual, whichever is lower, will be reimbursed upon submission of original tickets and boarding passes.
- The workshop will be conducted in physical mode.

Eligibility

- Persons like entrepreneur, graduates (ITI, Diploma, BSc, MSc, BCA, MCA, B.Tech, and M.Tech, MBAs, BBA, etc.) looking for high end entrepreneurship.
- The program is also open for faculty members from academia and working professionals from MSME, Industries, etc.



Topic to be Covered

- Basic concepts of cyber security.
- Cyber threats and their defense.
- Specific security concerns in different domains of information technology.
- Hands on training on all recent cyber security tools and technologies.



Registration

- Seat is limited.
- Seats will be booked on **first come first serve basis**.
- For registration click on below link OR Scan the following QR Code:

<https://forms.gle/nKurNE8yvFL8bjZ7>



Venue

Department of Computer Science & Engineering
National Institute of Technology Sikkim, Ravangla-737139
Contact and Queries: Please send your queries directly to the
Dr. Sangram Ray (Coordinator).
email: sray.cse@nitsikkim.ac.in, Ph.: (+91) - 9635027654

Organizing Committee

Patron

Prof. Mahesh Chandra Govil

Director, NIT Sikkim

Coordinators

Dr. Sangram Ray

Associate Professor

Department of CSE, NIT Sikkim

Dr. Pratyay Kuila

Associate Professor

Department of CSE, NIT Sikkim

Convenors

Dr. Md. Sarfaraj Alam Ansari

Assistant Professor

Department of CSE, NIT Sikkim

Dr. Pankaj Kumar Keserwani

Assistant Professor

Department of CSE, NIT Sikkim

Advisory Committee

Dr. Krishna Kumar

Assistant Professor

Department of CSE, NIT Sikkim

Dr. Bam Bahadur Sinha

Assistant Professor

Department of CSE, NIT Sikkim