REGISTRATION FORM

5 Day AICTE Sponsored Online Workshop on "Cyber Security"

(May 25th, 2020 to May 29th, 2020)

Name of Participant------------------------------------

Dept :--

Gender : ---

Designation: ---

Qualification: --

Organization: --

Mobile No. ---

Email:--

I agree to abide by the rules and the regulations governing the Workshop.

Place:
Date: *Signature of the Participant*

Mr./Ms./Dr./_____ is a student/employee of our Institution and is permitted to attend the programme.

_____
Signature of the Head of (applicant's) Institution and Seal

Place:
Date:

Venue: **Dept. of Information Technology NITK Surathkal Mangalore- 575025.**

Address for Communication

Dr. Bhawana Rudra

**Department of Information Technology
National Institute of Technology, Karnataka
Surathkal, Mangalore – 575 025**

E-mail: **csmlaicte@gmail.com**

Contact: Ph.   0824 – 247 3560

Course Contents

- What is cyber Security and Its Importance
- Block Chain Technology-Importance
- Machine Learning and Cyber Security
- Secure Coding
- Secure Communication
- Cyber Security and Industry
- Case Studies

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**COORDINATOR
Dr. Bhawana Rudra**

Dept. of Information Technology, NITK

Organized By

**Department of Information Technology
National Institute of Technology, Karnataka
Surathkal, Mangalore – 575 025**

About NITK Surathkal

NITK Surathkal is a premier institution engaged in imparting quality technological education and a broad range of research, development and consultancy activities. NITK has carved a niche for itself among the best technical institutes in India and is consistently ranked among the top 10 technological institutes.

Department of Information Technology

Department of Information Technology was established in June 2000, The department offers undergraduate course B.Tech. in Information Technology, Post Graduate course M.Tech. in Information Technology, M.Tech. by (Research) and Doctoral Program (Ph.D) Current research activities of the department include Data Mining, Web services, Distributed Computing, Semantic Web Technology, Natural language Processing, Software Aging, Virtualization, Soft Computing, Wireless Sensor Networks, Computer Networks, Network and Cyber Security, Information Security, Internet of Things (IoT), Affective Computing, Big Data Analytics, Cloud/Edge/Fog Computing, Cloud Security, Databases, Healthcare Informatics, High Performance Computing, Information Retrieval, Social Multimedia/Social Network Analysis, Software Engineering, Blockchain Technologies, Future Internet Architecture, Mobile Software Engineering, Deep Learning Applications.

How to Reach NITK Surathkal

NITK is located in Surathkal on the scenic shores of the Arabian Sea, about 20KM north of the city of Mangalore and is well connected by Air, Rail and Road. The nearest domestic/international airport is situated at Bajpe (about 10KM from Mangalore) and the nearest railway station is Surathkal (3 KM). The NITK Campus is situated right on National Highway NH66 with very good bus connectivity from Mangalore, Udupi etc.

About the Program

A revolution use of the Internet in our day to day life has raised many attacks on IT infrastructure. Not only computer attacks but smart phone attacks are also increasing as the growth of business transactions. To overcome the vulnerabilities, there is a need for cutting edge Research and Development efforts in Cyber security.

This Workshop aims to explore the huge potential that this cutting-edge technology holds. Though still in its infancy, Cyber Security can spur new breakthroughs in the fields of finance, military affairs, intelligence, Machine Learning, Secure coding and Communication.

There has been a hype about secure technology, Cryptography, cryptocurrency. governments and industries have shown great interest in developing and deploying a secure system. The Workshop explains whether the hype is justified or not. Where security can be used and cannot be used efficiently, various applications can use network security for secure communication/ transaction. Can we write a scalable, robust, secure code? How vulnerable are current designs and how can they be mitigated? What are the cryptographic issues that need to be addressed?

The FDP covers finding answers to the above problems and much more. This explains the various concepts of Cryptography, Distributed System, Cryptocurrency, Blockchain Mining secure coding and their uses, Practical Demonstrations and so on.

Objective of the Program

This program contains not only theory but hands-on sessions in the area of security. The course is designed for theory, use–case demonstrations, and research oriented discussion, which shall be helpful in understanding the process and along with practical implementation.

Course Deliverables:

This Program will provide an understanding of various methodologies, techniques, and tools related to Blockchain Technology.

Resource Persons

Experts from Industry, Academia, R&D Organizations will deliver expert talks to make participants aware of the Cyber Security, Block Chain Security, secure coding, authentication along with various applications and Research Challenges along with Practical Sessions.

General Information

- **Eligibility:** The programme is open to Faculty and Ph.D Students of AICTE approved Engineering and Technology Colleges.

- **Maximum Number of Participants:** 100 (Selection on the basis of first come first served)

- **Registration Fee:** Nil.

- **Deadline:** Completed applications should reach the Coordinators on or before 04th May 2020.

E-mail the scanned copies of the filled and duly signed application form to "**csmlaicte@gmail.com** "

Important Dates

Last Date for Receipt of Applications:

04th May 2020

Intimation of Selection by email:

10th May 2020