

- Dr. Parvez Faruki, Associate Professor, AVPT Institute, Rajkot
- Dr. N Ajithkumar, HOD of Economics(retd), The Cochin College, Cochin
- Dr. Ankit Gangwal, Assistant Professor , IIIT Hyderabad
- Dr. Vinit Jakhetiya, Assistant Professor, Indian Institute of Technology, Jammu
- Dr. Jyoti Grover, Assistant Professor, Malaviya National Institute of Technology, Jaipur
- Dr. Smita Naval, Assistant Professor, Malaviya National Institute of Technology, Jaipur
- Dr. Urvashi Bansal, Dept.of Computer Science and Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab
- Dr. Jyoti Gajrani, Assistant Professor, GEC, Ajmer
- Dr. Shweta Bhandari, Assistant Professor, LNM Institute of Information Technology, Jaipur
- Dr. Vinita Jain, Assistant Professor, LNM Institute of Information Technology, Jaipur
- Dr. Shriram KV, Intel IoT Innovator , Intel XE Innovator
- Mr. Bhavik Shah Security Analyst, CISCO, Bangalore
- Mr. Ananth Laxminarasimhan, Technical Leader, CISCO, Bangalore
- Mr. Mritunjay, SME in VPN Technology, CISCO , Bangalore

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Prof. (Dr.) K.N. Madhusoodanan  
Vice Chancellor  
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# **AICTE ATAL FDP**

on

## **CYBER SECURITY OVERSIGHT FOR INFORMATION PROTECTION**

**12 -16 July 2021**



Organized by

**Cyber Intelligence Research Lab**

**Department of Computer Applications**

**Cochin University of Science and Technology**

**Cochin – 682022**

**Kerala**



AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understands that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. It was felt that Training with latest tools and technologies is vital to keeping an institute competitive and more productive. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies. It also transforms them to harmonize with society and most importantly to make them a good citizen of the country. Accordingly, it was decided to the opening of AICTE Training and Learning (ATAL) Academy.

## About CUSAT

Cochin University of Science and Technology (CUSAT) was established in 1971 with emphasize on post graduate studies and research in applied science and industry and commerce. Since then, its excelling in research and academic activities solving significant societal, science and engineering problems. Its vision is to strive for excellence, be competitive in technical education on a global basis and to focus on knowledge assimilation, generation and dissemination. In its pursuit of international excellence, CUSAT has established academic links with various Universities in India and abroad. The main campus is located nearly 1km off NH 544 (Old Nh47), in South Kalamassery. CUSAT accredited with A grade by NAAC and is consistently placed amongst the top universities in India.

## Dept. of Computer Applications

The Department of Computer Applications is a pioneer department of Cochin University of Science and Technology established in the year 1994. Currently the department offers MCA (Master of Computer Application), MSc Computer Science with Specialization in Soft Computing, MSc Computer

## Dept. of Computer Applications

Science with Specialization in Data Science, Ph.D in Technology and Ph.D in Science.

As of now more than 30 Ph.Ds has been produced in data science and allied areas. This department is bestowed with an experience team of faculty members with an excellent academic track record and proficiency in data science, machine learning and cyber security. Department has numerous publications in reputed peer reviewed Journals and International Conferences . Also, the faculty has more than one crore worth funded projects. Curriculum of the department provides good theoretical foundation though high-quality teaching and extensive practical training. In addition to regular curriculum the department organizes workshops, technical seminars, faculty development programmes (FDP), short term training programmes (STTP) and conferences to expose the students with real world problems catering to industrial and societal needs.

### About the FDP

The advent of Internet has gained high popularity amongst different section of users. Recent advances in networking, computation, software, and hardware technologies have reformed the ways in which humans, smart things, and engineered systems interact and exchange information. While, these technologies offer a lot of new possibilities, an incremental complexity of hardware, software and their accessibility have led to new vulnerabilities resulting in an increasing number of attacks.

Malicious adversaries make use of unprotected communication to hijack computing systems, resulting in a potentially dangerous behaviour. It can also exploit information leakage channels to recover sensitive information from a computing system. Untrustworthy third-party software and hardware can create openings for such attacks, which must be detected and countered. Wide range of standards has been developed over the years covering different aspects of security. Despite their widespread use, there will always be a need to revise existing security solutions to mitigate unseen threats.

## Objective

The advent of Internet has gained high popularity amongst different section of users. Recent advances in networking, computation, software, and hardware technologies have reformed the ways in which humans, smart things, and engineered systems interact and exchange information. While, these technologies offer a lot of new possibilities, an incremental complexity of hardware, software and their accessibility have led to new vulnerabilities resulting in an increasing number of attacks.

## Project Impact & Expected Outcome

Faculty development program will provide a platform to exchange information concerning the fields and subjects of interest among different research group. Through this FDP the participants would understand importance of security issues in Cyber world which would help researchers to understand open research issues and implement them.

## Eligibility

The faculty members of the AICTE approved institutions, Research Scholars, PG Scholar, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.)/ School Teachers and staff of host institutions.

## Resource Persons

- Dr. Subhasis Bhattacharjee, Associate Professor, Indian Institute of Technology, Jammu
- Prof(Dr). Vijaylaxmi, Professor, Malaviya National Institute of Technology, Jaipur
- Prof(Dr) Sethumadhavan M, Head, TIFAC CORE in Cyber Security, Amrita Vishwa Vidyapeetham, Coimbatore
- Prof(Dr). Vinod P , Department of Computer Applications, CUSAT
- Dr. Emmanuel Pilli, Associate Professor, Malaviya National Institute of Technology,Jaipur
- Dr. Ponorugan Kumaraguru, Associate Professor, Indraprastha Institute of Information Technology, Delhi