

Organizing Committee

Chief Patron

Prof. (Dr.) Rajiv V Dharaskar, Director, IIIT Kottayam

Patron

Dr. M. Radhakrishnan, Registrar, IIIT Kottayam

Co- Patron

Prof. P. Mohanan, Professor In-charge (Academics), IIIT Kottayam

Program Co-ordinator:

Dr. Panchami.V, Assistant Professor, IIIT Kottayam

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*(For any clarifications please contact the **Coordinator** of the FDP)*

IMPORTANT DATES

Registration Opens: 1st November 2020

**Late Date of Online Registration:
25th November 2020**



Indian Institute of Information Technology, Kottayam at Valavoor, Pala, Kerala is one among the IIITs that have been established as "Institutions of National Importance" by MHRD Govt. of India under the ambit of IIIT (PPP) Act 2017. IIIT Kottayam campus is situated at Valavoor, Pala, Kottayam - a picturesque location, spread over in 53 acres of land - allotted by Govt. of Kerala in the southern part of the state commonly referred to as God's Own Country. The institute offers 4 year B.Tech and B.Tech (Hons) program with specialized courses covering all major research domains of computer science and engineering, viz Data Science, Cloud Computing, Artificial Intelligence, Machine Learning, Cyber Security and Digital Forensics, Internet of Things, HPC, and so forth. The students are admitted against the JoSAA/CSAB counselling against the JEE main rank list. Presently the institution is managed under the leadership of Dr. Rajiv Vasantarao Dharaskar, Director and Dr. M. Radhakrishnan is the Registrar.



About the Institute

ADDRESS

Indian Institute of Information Technology
Kottayam Valavoor.P.O,
Pala, Kottayam-686635, Kerala



AICTE Training and Learning Academy (ATAL) Sponsored



Five Days Online

Faculty Development Programme (FDP)
on

Cyber Security and Digital Forensics
(1st – 5th December, 2020)

Department of Computer Science and Engineering
&

Cyber Security and Information Security Labs
(CyberLabs)



**INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY, KOTTAYAM**



ATTENDANCE

The participants are expected to attend all sessions without fail. Those who fail to secure 80% attendance in the sessions will not receive the participation certificate.

RESOURCE PERSONS

Distinguished and well experienced faculty members from reputed Academic Institutions including IIT, NIT, IIIT and experts from related industries will be the resource persons for this FDP. A detailed programme schedule will be informed in due course. The list of experts are as follows:

- **Dr. Hiran V Nath**, Assistant Professor, CSE, National Institute of Technology Calicut (**NIT**)
- **Dr. Chester Rebeiro**, Assistant Professor, CSE, Indian Institute of Technology Madras Chennai (**IIT Madras**)
- **Dr. Ch. Aswani Kumar**, PhD, Professor, School of Information Technology & Engineering, Vellore Institute of Technology, (**VIT**)
- **Dr. Manikandan V. M**, PhD, Assistant Professor, CSE, **SRM** Univeristy, Amaravati
- **Mr. Nabeel Koya**, Scientist-E, **CDAC**, Thiruvananthapuram, Kerala.
- **Dr. Annamalai**, Assistant Professor, Mathematical Department, **IIIT** Kottayam
- **Dr. Manjith B.C**, Assistant Professor, CSE, **IIIT** Kottayam
- **Dr. Panchami. V**, Assistant Professor, CSE, **IIIT** Kottayam
- **Ms. Mahima Mary Mathews**, Research Scholar, CSE, **IIIT** Kottayam
- **Mr. Rumaise**, CEO, Daddysanta Technologies
- **Dr. Rizwan Ahmed**, CTO, delaPlex

TARGETED PARTICIPANTS

Maximum number : 150

Faculty members from Institutes/ colleges/ university departments who are teaching UG/PG science and engineering and a few research scholars. If the number of applicants exceeds the maximum number, then selection will be based on the specialization and research interest of the applicants.

REGISTRATION

The participants will not be charged any fee to attend the FDP programme.

- To register, please visit the website: <https://atalacademy.aicte-india.org/signup>

SELECTION

Participants will be selected on first-come first-served basis. The selected participants will be intimated through e-mail/ ATAL Account. The meeting invitation mail will be sent to the registered email id. The FDP will be fully conducted online and the platform for the same will be communicated in due course.

TEST AND EVALUATION

There will be an evaluation test on the last day of the FDP to assess the depth of understanding of the FDP contents by the participants. The attendance in the test is mandatory to receive the participation certificate.

ATTENDANCE

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ABOUT THE PROGRAM

This FDP is designed to provide the state-of-art trends and advancements in Cyber Security and Digital Forensics. The FDP will focus on theoretical aspects as well as on providing hands on experience to the participants. Cyber Security and Digital Forensics becoming increasingly important in today's networked world and is impacting every aspect of society including finance, healthcare, government, education, arts and entertainment. The objective of this workshop is to teach the basic principles of Cyber security, Cyber Forensics tools and Blockchain Technology from the perspective of providing security awareness and its best practices for the real world.

OBJECTIVES

- To understand the theoretical and mathematical foundations for Cyber Security.
- To analysis and detect the vulnerabilities in Multimedia files.
- To analyze Side channel attacks for ensuring hardware security.
- To train the participants to develop Secure Blockchain Applications.
- To familiarize the participants on how to recover data by using Cyber Forensics Tools.
- To enhance the research collaboration among various participants from different institutes and provide a platform for sharing their knowledge to improve the collaboration in future research endeavors.
- To facilitate joint research initiatives between the resource persons and participants.