

About the FDP

The Faculty Development Programme (FDP) on “Intelligent Threat Detection and Cyber Resilience” is designed to equip faculty members and researchers with contemporary knowledge and practical insights into the rapidly evolving domains of Artificial Intelligence, Advanced Computing, and Cybersecurity. The programme focuses on leveraging AI-enabled technologies to address emerging cybersecurity challenges and enhance the security and resilience of digital systems, networks, and critical infrastructure.

The FDP covers key areas such as intelligent threat detection, AI-driven cyber defence, secure software development, vulnerability assessment, network anomaly detection, and cyber resilience. Participants will also gain exposure to emerging technologies and practices, including Large Language Models (LLMs), Agentic AI, AI-enabled penetration testing, AI governance, and LLMSecOps.

Through expert-led sessions, the programme aims to strengthen participants' ability to apply modern AI-based techniques to real-world cybersecurity challenges. It further promotes research, innovation, ethical technology adoption, and sustainable computing practices, while encouraging effective teaching approaches that enhance critical thinking and problem-solving. The FDP ultimately seeks to empower participants to develop intelligent, secure, scalable, ethical, and resilient solutions for the evolving digital ecosystem.

FDP Content

1. AI-Driven Threat Detection and Response
2. Network Anomaly Detection
3. AI for Vulnerability Assessment and Secure Software Engineering
4. AI-Enabled Penetration Testing
5. Large Language Models (LLMs) for Cybersecurity
6. Agentic AI for Cybersecurity
7. LLMSecOps and AI-Enabled Security Operations
8. AI Governance, Ethics and Responsible Cybersecurity
9. Cyber Resilience and Future Directions

WHO SHOULD ATTEND?

The faculty members, Research scholars and PG Scholars of the AICTE approved institutions and Industry Personnel.

REGISTRATION LINK

Registration has to be done only through

<https://atalacademy.aicte-india.org/>

For more information, kindly visit

<https://atalacademy.aicte-india.org/FAQs>

REGISTRATION FEE

Registration and Programme are Free of Cost

RESOURCE PERSONS

The sessions will be handled by the experts on the subject from IITs, NIT, IITs and industries like TCS, UST, India Servers etc.

ONLINE PLATFORM

The entire programme will be conducted through online platform. The details of online platform and meeting link will be communicated to the selected candidates through their registered email. Assessment on topics covered will also be done through online mode. Minimum 80% attendance and 70% marks are required to earn certificates.

Coordinator



Lt Dr. Prasad J C

Professor

Computer Science and Engineering

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Co-Coordinator



Dr. Ierin Babu

Assistant Professor

Computer Science and Engineering

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AICTE TRAINING AND LEARNING (ATAL) ACADEMY
6 DAY ONLINE

FACULTY DEVELOPMENT PROGRAMME

on

**Intelligent Threat Detection
and Cyber Resilience**

23rd -28th November, 2026

Organized by

Department of Computer Science & Engineering



FISAT®
**FEDERAL INSTITUTE OF
SCIENCE AND TECHNOLOGY**
AUTONOMOUS



ATAL Online 6 Day Faculty Development Programmes 2026-27 Schedule

FDP Thrust Area

FDP Title:

Start Date:

Advanced Computing (Supercomputing, AI and Data Science)

Intelligent Threat Detection and Cyber Resilience

23-11-2026

End Date:

28-11-2026

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6.00 PM to 6.30 PM	6.00 PM to 7.30 PM	6.00 PM to 7.30 PM	6.00 PM to 7.30 PM	6.00 PM to 7.30 PM	2.00 PM to 3.30 PM
Inaugural Session:	Session 3	Session 5	Session 7	Session 9	Session 11
	Topic: AI Driven Cyber security Intelligent Threat Detection and Response	Topic: Agentic Software Security Analysis	Topic: Attacks,Mitigation and LLMSecOps Process	Topic: AI-Driven Secure Software Engineering and Vulnerability Management	Topic: AI in Penetration Testing
	Name of the Expert: Dr. Satyajit Das	Name of the Expert: Dr. Bernard Nongpoh	Name of the Expert: Dr. R Praveen	Name of the Expert: Dr. Noor Mohammad S K	Name of the Expert: Dr. Sanjay Adiwal
	Designation & Organization: Assistant Professor, Department of Computer Science and Engineering, IndianInstitute of Technology(IIT), Guwahati	Designation & Organization: Assistant Professor Department of Computer Science & Engineering Indian Institute of Technology(IIT), Guwahati	Designation & Organization: Assistant Professor, Department of Computer Science and Engineering , National Institute of Technology(NIT), Puducherry	Designation & Organization: Associate Professor Computer Science and Engineering Indian Institute of Information Technology(IIIT), Kancheepuram	Designation & Organization: Scientist 'E' Resilient Information Systems Engineering Centre for Development of Advanced Computing (C-DAC) ,Bangalore
	Years of Exp.: 10	Years of Exp.: 10	Years of Exp.: 11	Years of Exp.: 21	Years of Exp.:17
6.30 PM to 8.00 PM	7.30 PM to 9.00 PM	7.30 PM to 9.00 PM	7.30 PM to 9.00 PM	7.30 PM to 9.00 PM	3.30 PM to 5.00 PM
Session 1	Session 4	Session 6	Session 8	Session 10	Session 12
Topic: Introduction to AI Security	Topic: AI and Cyber Security:The defenders' and attackers' perspective	Topic: Large Language Models in Cyber Security	Topic: AI Governance ,Ethics and Regulatory Compliance	Topic: Intrusion Detection System with AI	Topic: AI for Compliance
Name of the Expert: Dr. Jobin Jose	Name of the Expert: Mr.Anup Narayanan	Name of the Expert: Dr. Jobin Jose	Name of the Expert: Mr.Adarsh Nair	Name of the Expert: Mr.Sai Satish	Name of the Expert: Dr.Lija Mohan
Designation & Organization: Assistant Professor, Department of Computer Science & Engineering, Indian Institutes of Information Technology(IIIT), Kottayam	Designation & Organization: CEO and Founder Security Quotient, Malaysia	Designation & Organization: Assistant Professor, Department of Computer Science & Engineering, Indian Institutes of Information Technology(IIIT), Kottayam	Designation & Organization: Director & Global Head of Information Security Governance and Compliance, UST,Trivandrum	Designation & Organization: CEO and Founder Indian Servers, Andra Pradesh	Designation & Organization: Product Manager Blackford Technologies, Abu Dhabi,UAE
Years of Exp. :15	Years of Exp.:26	Years of Exp.:15	Years of Exp.:15	Years of Exp.:17	Years of Exp:13
8.00 PM to 9.30 PM					5.00 PM to 6.30 PM
Session 2					Session 13
Topic: Data Driven Cyber Defence:From Security Data Engineering to Adversarial Resilience					Topic: AI for Network Traffic Analysis and Anomaly Detection
Name of the Expert: Mr. Anand Jagadeesh					Name of the Expert: Ms. Seethu P B
Designation & Organization: Product Manager Security Data Insights, Cyber Defence Centre, Volvo Cars, Sweden					Designation & Organization: Region Head Academic Alliances Tata Consultancy Services(TCS)
Years of Exp. :10					Years of Exp. :13
					6.30 PM to 7.30 PM
					Online Test & Feedback
					7:30 PM to 8:00 PM
					Valedictory Session

Resource Persons



Dr. Jobin Jose

Assistant Professor,
Dept. of Computer Science & Engineering,
Indian Institutes of Information
Technology(IIT), Kottayam



Mr. Anup Narayanan

CEO and Founder
Security Quotient, Malaysia



Mr. Adarsh Nair

Director & Global Head of Information
Security Governance and Compliance,
UST,Trivandrum



Dr. Sanjay Adiwal

Scientist 'E'
Resilient Information Systems Engineering
Centre for Development of Advanced
Computing (C-DAC) ,Bangalore



Dr. Bernard Nongpoh

Assistant Professor
Dept. of Computer Science & Engineering
Indian Institute of Technology(IIT),
Guwahati



Mr. Anand Jagadeesh

Product Manager
Security Data Insights,Cyber Defence
Centre, Volvo Cars, Sweden



Mr. Sai Satish

CEO and Founder
Indian Servers, Andra Pradesh



Dr. Lija Mohan

Product Manager
Blackford Technologies,
Abu Dhabi, UAE



Dr. Satyajit Das

Assistant Professor,
Dept. of Computer Science & Engineering,
Indian Institute of Technology (IIT),
Guwahati



Dr. R Praveen

Assistant Professor,
Dept. of Computer Science & Engineering ,
National Institute of Technology (NIT),
Puducherry



Dr. Noor Mahammad S K

Associate Professor
Computer Science and Engineering
Indian Institute of Information Technology
(IIIT), Kancheepuram



Ms. Seethu P B

Region Head Academic Alliances
Tata Consultancy Services (TCS)

About the Institute

Federal Institute of Science And Technology (FISAT) is a Autonomous private self financing Engineering College, established and run by the Federal Bank Officers' Association Educational Society (FBOAES). The FBOAES is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of the entire officers of the Federal Bank.

Federal Institute of Science And Technology (FISAT) has a unique position in the Professional Education Sector in South India. With the motto 'Focus on Excellence', FISAT has been designed and developed to become a 'Centre of Excellence' in professional education. Established in the year 2002, the college has carved a niche for itself in education world, eloquently demonstrated by the flying colors attained by its students in academics, placements as well as extra curricular and co curricular activities. FISAT has embarked on an ambitious plan to enhance the quality and value of education and develop high quality individuals.

The institution is accredited by NAAC with A+ Grade. Six B.Tech branches are accredited by NBA. The institution also received the coveted ISO 21001:2018 certification. FISAT is set up at Mookannoor, near Angamaly in Ernakulam District, Kerala, the birth place of the founder of The Federal Bank Ltd, Late K P Hormis. To honour the revered memory of the great visionary, the campus of FISAT is christened 'Hormis Nagar'. FISAT is affiliated to Kerala Technological University (KTU), Kerala and approved by All India Council for Technical Education (AICTE), New Delhi.

About the Department

The Department of Computer Science & Engineering at the Federal Institute of Science and Technology (FISAT), established in 2002, has evolved into a vibrant centre of excellence in education, research, innovation, and professional development. The department offers B.Tech programmes in Computer Science & Engineering and Computer Science & Design, along with an M.Tech programme in Artificial Intelligence & Data Science. It also serves as a recognized research centre for Ph.D. programmes under APJ Abdul Kalam Technological University.

The department is supported by highly qualified and dedicated faculty members committed to fostering academic excellence, creativity, and professional competence. Students consistently excel in University Examinations and secure placements in leading national and multinational companies. The department also encourages participation in professional societies such as ACM, IEEE, and CSI, promoting collaboration and continuous professional growth.

With a strong emphasis on skill development, innovation, and experiential learning, students are encouraged to participate in hackathons, technical competitions, and co-curricular activities. The department also organizes ICE-FOSS, FISAT Horizon Club Activities, National and International Conferences, and events focusing on Advanced Computing and Communication Technologies.

Through its strong academic foundation, research culture, industry exposure, and commitment to innovation, the department strives to create a dynamic, future-ready learning environment that empowers students to meet the challenges of the rapidly evolving technology landscape.

VISION

To become a centre of excellence, nurturing competent and socially responsible computer science professionals equipped with strong problem-solving skills, committed to sustainable development, and capable of meeting the dynamic needs of industry, society, and quality research.

MISSION

M1 - (Teaching - Learning): Foster academic excellence through innovative, inclusive, and sustainable teaching-learning practices that promote critical thinking and problem-solving abilities.

M2 - (Research & Innovation): Create opportunities for students to engage in research, innovation, and entrepreneurial ventures that address real-world challenges with sustainable and impactful solutions.

M3 - (Values & Social Responsibility): Develop technically proficient, morally upright, and socially responsible computer science professionals who can contribute to global progress while upholding ethical values and sustainability.

Advisory Committee

Mr. Shimith P R (Chairman, Governing body, FISAT)

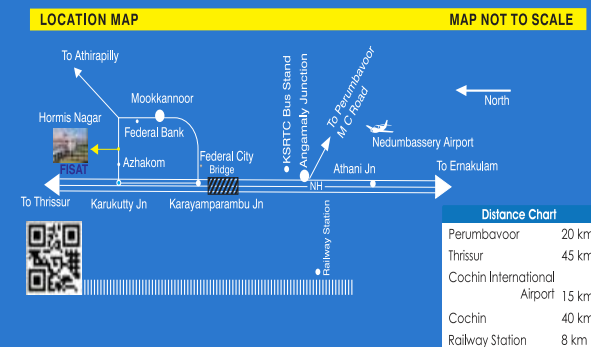
Dr. Jacob Thomas V (Principal)

Dr. Mini P R (Vice Principal)

Dr. Paul P Mathai (HoD, Dept. of CSE)



How to Reach



Contact Address

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