Jain Institute of Technology

(A Unit of Jain Group of Institutions, Bangalore)
Approved by AICTE, New Delhi and State Govt. DTE
Affiliated to VTU Belgaum.

The JGI Group

Date:10/09/2024

To,
The Director/Principal,

Subject: Invitation to attend One Week ATAL FDP on **"Next-Gen Cybersecurity: Strategies for a Resilient Digital Future"** from 21/10/2024 to 26/10/2024.

Respected Sir/Madam,

It gives us immense pleasure to inform you that the Department of Computer Science and Engineering of Jain Institute of Technology Davangere, organizing One Week AICTE Training & Learning Academy (ATAL) FacultyDevelopment Programme (FDP) on **"Next-Gen Cybersecurity: Strategies for a Resilient Digital Future"** from 21/10/2024 to 26/10/2024.

This program aims to equip participants with the latest advancements inNext-Gen Cybersecurity, EmergingCybersecurity Technologies, Proactive Defense Strategies, Securing Cybersecurity Frameworks and Standards, Incident Response and Recovery, Cybersecurity Governance and Risk Management, Practical Applications and Case Studies. Participants can upgrade their technical skills with hands on sessions on Cyber Security and an Industrial visit during this ATAL-FDP.With regard to this program, we humbly request you to encourage and deputeyour faculty, research scholar, and PG students to participate.

Thanking you...!

Co-coordinator
Dr. Niranjan Murthy C

Coordinator
Dr. Mouneshachari S

Principal& Director
Dr. Ganesh D B

Course contents

- Introduction to Next-Gen Cybersecurity
- Emerging Cybersecurity Technologies
- Proactive Defense Strategies
- Securing Emerging Technologies
- Cybersecurity Frameworks and Standards
- Incident Response and Recovery
- Cybersecurity Governance and Risk Management
- Practical Applications and Case Studies

Eligibility

The Programme is open to the Faculty of AICTE approved Institutions, Research Scholars, PG Scholars, Participants from Industry those who are interested in the field of Cyber Security irrespective of discipline.

Selection and Intimation

Upon the receipt of the registration form, the applicants will be selected based on their teaching aspirations. Selected applicants will be intimated through E-mail on or before training.

Free Registration

Online Registration through ATAL website
https://atalacademy.aicte-india.org/login
Application Number: 1716460171

TA for external participants

External Participants (traveling more than 20 Km one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with a blanket amount of 2000/- at the end of the FDP. There would be no provision for boarding/lodging from the end of ATAL Academy/ AICTE. However, refreshment & lunch would be provided for free.

Coordinator
Dr. Mouneshachari S
Professor and HoD, Department of Computer Science and Engineering,
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Co-coordinator
Dr. Niranjan Murthy C
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Committee Coordinators

Latharani T R	Swetha B S	Babu Sab
Shafiulla Shariff	Basavaraja Patil G V	Mohan Kadasali
Archana K N	Vinutha M	Roopa S Meharwade
Usha K	Girija Bhimasen Mavarkar	Poornima N H
Manjula P	Rangaswamy H	Chaithra B M
Sameer B	Manjunath K G	Chaithra G S
G C Divya	Pavan Kumar K	Veena H S

Assistant Professors, Department of CS&E, JIT, Davangere

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Advisor, JIT, Davangere

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Dr. Ganesh D B
Principal & Director, JIT, Davangere

Coordinators:

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Professor & Head, Department of CS&E, JITD.

Dr. Niranjan Murthy C
Associate Professor, Department of CS&E, JITD

Advisory Committee:

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Chairman, ISTE, Bangalore

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Professor, Dept. of CS&E

Mr. Manjunatha R S
Asst. Professor & HOD, Dept. of Phy.

Faculty Development Programme
on
Next-Gen Cybersecurity: Strategies for a Resilient Digital Future

Sponsored by
AICTE Training & Learning Academy (ATAL)

Mode: Offline

Date:
21st to 26th October 2024

Organized by
Department of Computer Science & Engineering
(Accredited by NBA, New Delhi. Validity upto 30.06.2026)

ARKA Educational & Cultural Trust (R)
Jain Institute of Technology, Davangere
(A unit of Jain Group of Institutions, Bengaluru)
Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi and Govt. of Karnataka

E-mail: principal4jd@gmail.com | https://www.jitd.ac.in

AICTE Training & Learning Academy (ATAL)

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". 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. Training is required for increasing the knowledge and skills of faculties and students to make them more employable to acquire global competencies.

Vision : To empower faculty to achieve goals of Higher Education such as access, equity and quality

Mission :

- To establish AICTE Training and Learning (ATAL) cell in all the technical institutions, Universities, Deemed-to be Universities and other institutions of technical learning.
- To establish Academies web portal and mobile application for carrying out its operations.
- Training needs analysis of technical manpower of the country.

ABOUT JIT, Davangere

Welcome to Jain Institute of Technology, Davangere, a premier educational institution established in 2011 and affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE & UGC New Delhi and recognized by Government of Karnataka. JITD accredited by NBA for all the eligible UG engineering programs. We proudly stand as a central hub for BE, MBA, and Doctoral Programs. JITD offers seven UG in BE, one PG in MBA and six Ph. D. programs with a total student population of over 2500. JITD-IPR Cell collaborates with KSCST, Govt. of Karnataka, promoting Innovation and Research. JITD Institutions Innovation Council (IIC) has secured the 8th Rank in the Southern Region, reflecting our commitment to excellence. Institute is a Host Institution/Business Incubation center of MSME. At Jain Institute of Technology, we boast highly qualified and dedicated faculties who employ experiential learning methodologies. Renowned for our commitment to high-quality teaching and cutting-edge infrastructure, we consistently achieve outstanding academic results. What sets us apart is our specialized department dedicated to researching, analyzing, and developing effective methods for imparting quality education. Our infrastructural facilities are designed to elevate the learning experience. The Institution is under the able leadership of Dr. Ganesh D B as Principal and Director, who has rich experience in industry and education fields.

Vision: Technical manpower development to build professionally excellent, globally competitive, socially responsible engineers and entrepreneurs with human values.

Mission:

* To provide quality education through innovation in teaching to create technologically competent engineers.
* To Achieve excellence in research and development to advance science and technology to the ever changing needs of society.
* To create outstanding professionals capable of working in multi cultural environment.
* To produce quality engineers with high ethical standards and professionalism.

Resource Persons

Dr. Udaya Shankar Puranik
Director AI & Cybersecurity, MGI.USA

Dr. Mahadeva Prasanna
Director, IIT Dharwad

Dr. Manjappa Sarathi
Advisor, JIT, Davangere
Dean R&D, SCEM, Mangalore

Dr. Ananth Prabhu Gurpur
Professor & Cyber Security Expert, SCEM, Mangalore

Dr. Mohit P. Tahiliani
Associate Professor, Dept. of CS&E, NITK, Surathkal

Dr. Mustafa Basthikodi
Professor & Head, Dept. of CS&E, SCEM, Mangalore

About the Department

The Department of Computer Science and Engineering began in the AY 2011-2012 with an intake of 60 students and increased to 120, 180 and 300 during the AY 2022-23, AY 2023-24 and AY 2024-25 respectively. The department is accredited by NBA, New Delhi. The department has strong and active Forum by name CS-UBIQUE helping in all-round development of the students through various Technical Workshops / symposiums / technical talks on recent technologies namely AI, Selenium with JAVA, IoT, Big Data analysis, Algorithm, Ganakotsava and many more. Also department encourages students to participate in extracurricular, co-curricular and sports activities conducted throughout the year in order to build strong curriculum for students. The department has extended unique platform to nurture the students towards innovation, product development, start up and entrepreneurship. The faculty of the department is actively involved in research activities in various technical domains.

Outcome of FDP

The outcomes of a Faculty Development Program (FDP) on "Next-Gen Cybersecurity: Strategies for a Resilient Digital Future" can be substantial and multifaceted. These outcomes not only benefit the participating faculty but also have broader impacts on their institutions and the field of cybersecurity as a whole. Here are the key outcomes:

* Enhanced Faculty Expertise
* Improved Curriculum and Teaching
* Enhanced Research Capabilities
* Strengthened Institutional Programs
* Improved Cybersecurity Practices
* Professional Growth and Networking
* Enhanced Student Outcomes
* Institutional and Community Impact

Scope of the FDP

Faculty members and researchers looking to update their knowledge and integrate new cybersecurity concepts into their teaching and research. IT managers, network administrators, and cybersecurity professionals seeking to upgrade their skills and knowledge in next-gen cybersecurity. Graduate and postgraduate students specializing in cybersecurity, computer science, and related fields.

ATAL Sponsored

Six days Faculty Development Programme on

"Next-Gen Cybersecurity: Strategies for a Resilient Digital Future"

From 21/10/2024 to 26/10/2024

Organized by Department of Computer Science and Engineering

JAIN INSTITUTE OF TECHNOLOGY, Davangere-577003

Offline FDP-Schedule (9:30 AM – 5:30 PM)

Dates	9.30 AM to 12.00 PM	12.00 PM to 1.00 PM	1.00 PM to 2.00 PM	2.00 PM to 5.30 PM
Day 1 **21-10-2024** **(Monday)**	**Inauguration** **(9.30 AM to 10.00 AM)** **Session 1** **Cybersecurity Fundamentals** ▪ **Introduction to Cybersecurity** ▪ **Types of Cyber Threats** ▪ **Cybersecurity Frameworks and Standards** **Dr. Udaya Shankar Puranik** Director AI & Cybersecurity MGI, USA Mobile: 9845109875 Email:upuranik@gmail.com	**Article Discussion**	**Lunch**	**Session 2** **Proactive Defense Mechanisms** • **Threat Intelligence** • **Threat Hunting** • **Zero Trust Architecture** **Dr. Mouneshachari S** Coordinator Prof & Head, Department of CSE, JITD Mob: 9844550069 Email: drmounesh.cs@gmail.com
Day 2 **22-10-2024** **(Tuesday)**	**Session 3** **Quantum Computing & Capstone Project in Cyber Security** **Dr. Niranjan Murthy C** Co-Coordinator Associate professor Department of CSEJITD Davanagere Phone :9731859060 Email : niranjanmurthyc@jitd.in	**Article Discussion**	**Lunch**	**Session 4** **National Education Policy (NEP) 2020 Implementation** **Dr. Manjappa Sarathi** Advisor JITD, Dean R&D sahyadri college of engineering and management, Mangalore, Karnataka, Phone :9844320294 Mail id: drsmdvg@gmail.com

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	Session 5			Industry Visit
Day 3 **23-10-2024** **(Wednesday)**	**Incident Response and Digital Forensics** • **Incident Response Planning** • **Digital Forensics** **Dr. Mahadeva Prasanna** Director, IIT, Dharwad Phone 9954008138 Email : prasanna@iitdh.ac.in	**Article Discussion**	**Lunch**	**Data & Cyber Security Center SmartCity Pvt. Ltd. Davanagere**
	Session 6			Session 7
Day 4 **24-10-2024** **(Thursday)**	• **Advanced Technologies in Cybersecurity** • **Artificial Intelligence and Machine Learning** • **Blockchain Technology** **Dr. Ananth Prabhu Gurpur** Professor & Cyber Security Expert sahyadri college of engineering and management, Mangalore, Karnataka Mobile:8951511111 Mail id: educatoranath@gmail.com	**Article Discussion & Hands-on Exercises**	**Lunch**	• **Specialized Security Domains** • **IoT Security** • **Cloud Security** • **5G and Network Security** **Dr. Ananth Prabhu Gurpur** Professor & Cyber Security Expert sahyadri college of engineering and management, Mangalore, Karnataka Mobile:8951511111 Mail id: educatoranath@gmail.com

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	Session 8			Session 9
Day 5 **25-10-2024** **(Friday)**	**Practical Applications and CaseStudies in Cyber Security** • **Hands-On.** • **Real-World CaseStudies.** **Dr. Mustafa Basthikodi** Professor & Head Sahyadri college of engineering and management, Mangalore, Karnataka Email Id: mbasthik@gmail.com Phone :9844535720	**Article Discussion**	**Lunch**	• **Network Security Threats** • **Network Vulnerabilities** • **Network Security Measures** **Dr. Mustafa Basthikodi** Professor & Head sahyadri college of engineering and management, Mangalore, Karnataka Email Id: mbasthik@gmail.com Phone :9844535720
	Session 10			
Day 6 **26-10-2024** **(Saturday)**	**Governance, Risk Management, and Compliance(GRC) Cybersecurity Governance** **Dr. Mohit P. Tahiliani** Associate Professor, Dept. of CSE, NITK, Surathkal Email Id: tahiliani@nitk.edu.in Phone : +91-824-2473410	**Article Discussion**	**Lunch**	MCQ Test and Reflective Journal **(2.00PM to 4.00PM)** Feedback & Interaction followed by **Valedictory** **(4.00PM to 5.30PM)**

Letter Head

Participant NOC Format

Subject: NOC for Attending ATAL FDP

Ref No. _____   Date: _____

To Whomsoever It May Concern

This letter is to express No Objection on Mr./Mrs./Ms./Dr. <_____Participant name_____> in attending <FDP Title >   conducted at < 'Institute Name'> from <Start Date to End Date>.

This certificate is issued as per requirement of AICTE for successful conduction of ATAL Faculty Development Program.

Yours Sincerely,

(Sign & Stamp)
HoI/Competent Authority
Institute Name and Address