

## Registration Form

**AICTE Training and Learning (ATAL) Academy  
Six Days Faculty Development Programme**

on

**“ENHANCING CYBER THREAT DETECTION THROUGH  
INCORPORATING DIGITAL TECHNOLOGIES”**

Name :

Designation :

Department :

Name of the Institution :

Address :

Phone :

Email :

Academic Qualification :

Experience :

SIGNATURE OF THE PARTICIPANT

SIGNATURE OF HEAD OF THE INSTITUTION

## Important Dates

**“No Charge for Registration,  
Course and Certification”**

Last Date for Registration : 06.12.2024

Date of Intimation : 07.12.2024

## Registration Link

 Click Here for Registration

<https://forms.gle/8mJyHmB9NZIjxaUD7>

## CHIEF PATRONS

**Col. Prof. Vel Dr. R. Rangarajan**

Founder President & Chancellor

**Mrs. Rangarajan Mahalakshmi Kishore**

Chairperson & Managing Trustee

## PATRONS

**Prof. Dr. Rajat Gupta**

Vice Chancellor

**Prof. Dr. E. Kannan**

Registrar

## GENERAL CHAIR

**Prof. Dr. S P. Chokkalingam**

Dean - School of Computing

**Prof. Dr. V. Dhilipkumar**

Associate Dean - School of Computing

## ORGANIZING CHAIR

**Dr. N. Vijayaraj**

Professor & Head / Dept. of CSE

**Dr. Murali Dhar M S**

Assoc. Prof. & Asst. Head / Dept. of CSE

## COORDINATORS

**Dr. S. Amutha**

Professor - Dept. of CSE - Coordinator

**Dr. N. Malarvizhi**

Professor - Dept. of CSE - Co-coordinator

## Contact Details

**Dr. S. Amutha**

Professor  
School of Computing  
Department of CSE

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science & Technology

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**AICTE Training and Learning  
(ATAL) Academy**



Online

Six Days

Faculty Development Programme

on

**ENHANCING CYBER THREAT DETECTION  
THROUGH INCORPORATING DIGITAL  
TECHNOLOGIES**

**09.12.2024 to 14.12.2024**

Timing: 6.00 pm to 9.00 pm

Sponsored by

**All India Council for Technical  
Education (AICTE), New Delhi**

Organized by

**Department of Computer Science and Engineering  
School of Computing**

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science & Technology  
Avadi, Chennai, Tamil Nadu - 600 062.

## Coordinators



**Dr. S. Amutha**, Professor / CSE  
99441 63377, Experience: 21  
(Coordinator)



**Dr. N. Malarvizhi**, Professor / CSE  
90031 83172, Experience: 23  
(Co-Coordinator)

## About Institution

Vel Tech offers programmes in Engineering, Management, Media and Law. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. Vel Tech is the first member from India to adopt Conceive-Design-Implement-Operate (CDIO), CDIO is a worldwide framework which aims to produce the next generation engineers. The CDIO based academic process undoubtedly generates knowledgeable up-skilled graduates with a professional attitude who are industry ready. Vel Tech has been recognised as the Best Engineering Institution and ranked as First in India and 74<sup>th</sup> in the world by Times Higher Education World Young University Ranking 2016-2017 and 43<sup>rd</sup> in Asia by Times Higher Education Asia University Ranking 2017. The TBI (Technology Business Incubator) of Vel Tech is recognized as the Centre of Excellence under NIDHI by the Government of India. For further details: [www.veltech.edu.in](http://www.veltech.edu.in)

## About School of Computing (SoC)

The SoC Comprises the Departments of Computer Science and Engineering (CSE), AI&DS, AI&ML, CS&D, CSE(AI&ML), CSE(DS), CSE(CS) and Information Technology(IT). It offers UG, PG and Doctoral Programmes in CSE and IT. For further details: [www.veltech.edu.in/cse](http://www.veltech.edu.in/cse)

## About Department

The Department of Computer Science and Engineering (CSE) was established in the year 1997. The department has grown to current strength of 4316 students from a humble beginning with 250 students. The department is equipped with the latest state-of the art laboratories. The department has a dedicated team of faculty members with 22 Professors, 41 Associate Professors and 123 Assistant Professors among them 109 having doctoral degree.

The students can become members of Computer Science of India (CSI), IEEE-CS, IEEE-PCS, IEEE-WIE, ACM & ISTE. The students have been placed with leading MNC's like Amazon, Cisco, Accenture, Capgemini, Virtusa, Wipro, ZOHO, KAAR technologies, TCS, Microsoft, Infosys, Cognizant, HP and Verizon. For further details: [www.veltech.edu.in/cse](http://www.veltech.edu.in/cse).

## About the FDP

Enhancing cyber threat detection through the incorporation of digital technologies involves leveraging advanced tools such as artificial intelligence, machine learning, and big data analytics. These technologies can analyze vast amounts of data in real-time, identifying patterns and anomalies that may indicate a security breach. For instance, AI-driven systems can learn from historical attack data to predict and detect potential threats more accurately. Additionally, integrating automation into threat detection processes enables faster response times, reducing the window of opportunity for attackers. By adopting a multi-layered security approach that includes threat intelligence

## Objectives of FDP

- To enhance the accuracy of threat detection by leveraging machine learning algorithms.
- To enable real-time detection of cyber threats by incorporating digital technologies
- To improve the scalability of threat detection systems to handle the complexity of data generated by digital systems,
- To develop adaptive threat detection capabilities for reducing the risk of zero-day attacks and other unknown vulnerabilities.
- To minimize false positive alerts by utilizing advanced analytics and machine learning techniques.
- To increase visibility into network activity and security events by integrating digital technologies.

## Expected Outcome

- Improved Detection Accuracy using Machine learning and artificial intelligence
- Enhanced Threat Intelligence to obtain valuable insights.
- Faster Response Time in identifying, assessing, and countering cyber threats.
- Reduced Downtime and Financial Losses
- Strengthened Security Posture to detect and fix weaknesses in systems and networks
- Increased Regulatory Compliance to safeguard confidential information

## Topics to be Covered

- Fundamentals of Cyber Threat Detection
- Introduction to Digital Technologies in Cybersecurity
- Machine Learning for Anomaly Detection
- Artificial Intelligence for Threat Intelligence
- Big Data Analytics for Cyber Threat Analysis
- Predictive Analytics for Cybersecurity
- Natural Language Processing in Cyber Threat Intelligence



### Targeted Audience

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

**“No Charge for Registration, Course and Certification”**

### Resource Persons



**Dr. J. Sheeba Rani**  
Professor  
Indian Institute of Space Science and Technology,  
Trivandrum  
Years of Exp:2



**Priya Mattoru**  
Founder  
AIBOT Tech, New York, United Kingdom  
Years of Exp:19



**Krishna Kumar Mahalingam**  
Principal Software Engineering Manager  
Microsoft, Bangalore  
Years of Exp:25



**Dr. S. P. Raja**  
Associate Professor  
School of Computer Science and Engineering,  
VIT Vellore  
Years of Exp:16



**Dr. S. Bhuvaneshwaran**  
Professor & Director  
Ramanujam Computing Centre,  
Anna University, Chennai  
Years of Exp:25



**Meenakshi Soundari K A**  
Director & Software Development and  
Engineering  
COMCAST, Chennai  
Years of Exp:18



**Anitha Rani Ramadoss**  
Global Head of Quality Assurance and  
Engineering  
Intellias Global, Pune, India  
Years of Exp:21



**Dr. T. R. Reshmi**  
Scientist  
Society for Electronic Transactions and Security  
Chennai  
Years of Exp:18