

## About The Institute

St. Peter's Institute of Higher Education and Research is a deemed to be University located at Avadi in the Chennai Metropolitan City. It was established as a self-financing engineering college in 1993 in the name of St.Peter's Engineering College and was instrumental in the development of Annanur as an Educational town in Avadi Taluk. After attaining deemed University status in 2008, the institution has been focusing on academic excellence, internationalization, research and innovation.

The Institution offers Undergraduate and Postgraduate Programs in Engineering, Technology, Management Studies, Architecture, Science and Humanities Besides M.Phil. and Ph.D Programs. For encouraging Innovation and Entrepreneurship development, a Technology Business Incubator sponsored by the Department of Science and Technology, Ministry of Science and Technology, and SPIHER – MSME Business Incubator, sponsored by the Ministry of Micro, Small and Medium Enterprises, Government of India, have been established within the campus. The Institute is certified for ISO 9001-2015 quality system and accredited by NAAC in 2023 with A+ Grade (CGPA 3.28).



The campus is located in a serene environment in a sprawling campus of 32.26 acres. The campus is easily commutable by bus and train. Annanur railway station, on the Chennai Central – Tiruvallur broad gauge section is just 1.5 km from the Institute. The domestic and international airports are located at about 25 kms from the campus. Transport is available from different parts of the city for the benefit of the students. Separate hostel facilities are available for boys and girls and residential accommodation is available for staff members. Guest House for visiting faculty and dignitaries is also available.

## Chief Patron

**Dr.T.Banumathi, Chancellor, SPIHER**

**Dr.T.Lasya, Trustee, SPIHER**

## Patron

**Dr.N.Malmurugan, Vice Chancellor, SPIHER**

## Advisors

**Dr.L.MaheshKumar, Registrar, SPIHER**

**Dr.S.Gunasekaran, Dean (R&D), SPIHER**

**Dr.M.Palaniswamy, Dean (PDA), SPIHER**

**Dr.S.Selvan, Dean (Engg),SPIHER**

**Maj. Dr. M. Venkatramanan, Dean(FASCMH)SPIHER**

## Who can Attend

Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, and professionals from industry.

**Max. No. of Participants: 50**

**Mode of Delivery: Offline Mode**

## Target Group & Registration

- Faculty, Research Scholars, Academic Persons & Industry Persons.

## For Further Details

**Coordinator:** Dr.R.Latha, Prof.&Head, Computer Applications (9884331876)

**Co-Coordinator :** Dr.S.Brindha, Assoc.Prof & Head, Computer Science (9940698962)

[atalfdpepcsd@gmail.com](mailto:atalfdpepcsd@gmail.com)



## ONE WEEK FACULTY DEVELOPMENT PROGRAMME



## EMERGING PATTERNS IN CYBER SECURITY AND DIGITAL FORENSICS

**Supported by  
AICTE, NEWDELHI**



**DATES : 11.11.2024 To 16.11.2024**



**VENUE :** Seminar Hall, SPIHER  
St.Peter's Institute of Higher Education and Research, Avadi, Chennai

**Organised by**  
**Department of Computer Applications  
And  
Department of Computer Science**



**St. PETER'S**

**INSTITUTE OF HIGHER EDUCATION & RESEARCH**



**(DEEMED TO BE UNIVERSITY DECLARED U/S 3 OF THE UGC ACT 1956)**

**NAAC ACCREDITED & ISO 9001:2015 CERTIFIED, AVADI, CHENNAI-54**

## ABOUT THE DEPARTMENT

The Department of Computer Science & Applications was established in 1995, and strives hard to develop top class professionals, who will be responsible in providing their hands to support the constant booming of the Information Industry era.

The department works as a team of dedicated faculty who has knowledge in the latest fields of technology / development in the global scenario. The Department has conducted successfully several National Level Seminars, Conferences, Staff Development Programmes, Faculty Development Programmes and Workshops every year. Also the Faculty members are encouraged to attend specialized training programme and pursuing higher studies.

The department has a well-furnished lab with intranet and 24 hours 1 Gbps Internet facility. The department is very meticulous in conducting Open House Meetings for the students in which the faculty members, Directors and Dean participate. This is an open forum where the students are allowed to air their impressions, in the hardware and software areas. Students and faculty participate enthusiastically and contribute towards bringing effective solutions to the problems. This continuous monitoring of the teaching-learning process has improved the performance to a considerably high level which will help the students to get ready to face the placement and employment arena.

The department conducts the programmes such as B.Sc.Computer Science, information security and Digital forensics, Information Technology and Cyber Security, BCA Artificial Intelligence and Machine Learning, BCA Data science and PG programs.

Faculty counselors are appointed for every 15-20 students. They size up the strengths and weaknesses of the students and provide individual counseling and help. They not only provide guidance counseling in subjects but also in personal problems.

## LEARNING GOALS

- ★ To provide participants with practical skills so that they may teach their students to recognize problems and difficulties in cyber security and offer potential solutions.
- ★ To increase participants' understanding of the value of cyber security in the current digital era and to defend against online attacks at the individual as well as organizational level.
- ★ Participants will be able to learn about the most important research opportunities in cyber security.
- ★ Participants may acquire knowledge of various Forensic and Ethical Hacking Tools

## MAJOR COURSE CONTENTS

- Introduction to Cyber Security & challenges
- Information Security and AI with Cyber Security
- Open Source Framework for Penetration testing and Tools in Cyber Security
- Rise in Cyber Crime
- Expansion of Cloud Forensics
- Growth in Mobile Forensics
- Emphasis on Data Privacy and Compliance
- Integration of Artificial Intelligence and Machine Learning
- Collaboration and Information Sharing Centre of Excellence in Digital Forensics (COEDF)
- Continued Professional Development and Training

## REGISTRATION

Participants Can Sign Up and Register For the program in AICTE ATAL website link :

<https://www.aicte-india.org/atal>

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

Last date for receipt of application : 8/11/24.  
Intimation of selected candidates : 9/11/24.

### Registration Fee : No Registration Fee

Participants only within 20-50 kms

## RESOURCE PERSONS

Faculty members and Industry experts from reputed universities and industries.

## REQUIREMENT TO GET CERTIFICATE

- Attendance -minimum 80% attendance essential. 100% attendance - (individual) - weightage 20%
- One assessment - combination of MCQs / short answer type / reasoning based, ect - (individual) - weightage 10%
- 2 page Article summary / per team - ( team & individual ) weightage 30%
- Output of practical sessions - ( Individual ) - weightage 15%
- Report / outcome of Industrial visit -(team) at the last session- weightage 10%
- Reflection journal - (Individual) - at the last session - weightage 15%

## Resource Persons

- ★ Mr.Arindam Paul, - ( Managing Director, Arika Consultancy Pvt. Ltd)
- ★ Mr.Sathya Murthy, - (Senior Technology Consultant, Antogatva, Chennai)
- ★ Mr.J.Vamsidhar, - (IT Security Specialist. Cyfe Code Private Limited, Chennai)
- ★ Prof. R.Thilagaraj, - (Director , COEDF)
- ★ Dr. Mahesh Kalyanaraman , - ( Associate Vice President, Risk Management, HCL Technologies)
- ★ Mr. E.R. Ramesh, - ( Senior Technical Project Manager, U.S. Technology International Private Limited)
- ★ Dr.S.Latha, - (Director, Centre for Cyber Forensics and Information Security, University of Madras )
- ★ Ms. G. Fathima, - ( Lecturer , Centre for Cyber Forensics and Information Security, University of Madras.
- ★ Ms. C. Vishnu Priya, - (Assistant Professor. Cyber Forensics and Information Security, Institute of Distance Education, University of Madras
- ★ Dr. Rama K Subramanian  
Director & CEO, Valiant Technologies Pvt. Ltd .