

AICTE TRAINING AND LEARNING  
(ATAL) SPONSORED 6 DAYS FACULTY  
DEVELOPMENT PROGRAMME *on*

# CYBER SECURITY - TRENDS AND CHALLENGES

15.01.2024 - 20.01.2024

*Organized by:*

**Dept. of Computer Science & Engineering**

*Sponsored by:*

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

## ABOUT THE INSTITUTION

St. Joseph's College of Engineering and Technology, Palai is established in the year 2002 and managed by the Diocesan Technical Education Trust, Palai under the Diocese of Palai. SJ CET was instituted with the objective of developing a centre of professional learning with a distinct identity and character, for imparting education and training in a truly Christian environment, fostering Christian values of faith and love to God and fellowmen. The college aims to provide the kind of education that helps to achieve academic excellence and thereby ensures a challenging and satisfying career for the students on the successful completion of the programme.

## VISION

Developing into a world-class, pace-setting Institute of Engineering and Technology with distinct identity and character, meeting the goals and aspirations of the society.

## MISSION

- To maintain a conducive infrastructure and learning environment for world class education.
- To nurture a team of dedicated, competent and research oriented faculty.
- To develop students with moral & ethical values, for their successful career by offering variety of programmes and services.

## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2002 and since its inception, the department has progressed with a vision and strong commitment in developing competent engineers with uncompromising standards of excellence in training, both through class room sessions and hands-on sessions. The department is equipped with competent and dedicated

faculty members with expertise in current technologies. The department strives for uplifting the skill of the students to bring innovative ideas from them with professionalism and ethical values. The department offers B. Tech (Accredited by NBA), M. Tech and Ph.D programmes. The department is a recognised research centre of APJ Abdul Kalam Technological University, Thiruvananthapuram. The department has been maintaining an active interaction with the professional bodies like CSI and IEEE CS.

## VISION

To evolve as a school of computing with globally reputed centres of excellence and serve the changing needs of the industry and society.

## MISSION

- The department is committed in bringing out career oriented graduates who are industry ready through innovative practices of teaching and learning process
- To nurture professional approach, leadership qualities and moral values to the graduates by organizing various programs periodically
- To acquire self-sustainability and serve the society through research and consultancy

## OBJECTIVES OF THE FDP

The FDP is aimed to develop awareness about cyber security among faculty members. This will enhance their understanding on cyber threats, network security and how to protect the data. The necessary tools to create a cyber safe environment will be discussed.

## OUTCOMES OF THE FDP

1. Enhance knowledge on Cyber Security : Faculty members gain a deeper understanding of cyber threats, vulnerabilities and countermeasures.
2. Familiarization of modern tools : FDP will help faculty members to familiarize with the modern tools used in the filed of cyber security.
3. Improved teaching skills : FDP participants acquire effective teaching methodologies to convey complex cyber security concepts to students.
4. Collaborative research : This FDP will help the educators to do collaborative research in the domain of cyber security

## COURSE CONTENTS/ HIGHLIGHTS

- Introduction to Cyber Security, Scams and Law
- Web Application Security, Ethical Hacking, Cyber Forensics and Social Engineering
- Risk Analysis and Threat Modelling
- Mobile Device Security, Cloud Security
- Cyber Crimes – Identification and mitigation
- Hands-on Sessions on Cybersecurity - Measures for Advanced Attacks
- Quantum Cyber Security
- Research Methodology and Research Trends in Cyber Security

## RESOURCE PERSONS

Prominent experts from NIT, IIIT, CUSAT, ICT Academy, Government institutes and MNCs will handle the sessions and will share their expertise.

## TARGET GROUP

The faculty members of AICTE approved institutions, Universities, Industry, professionals from R&D Labs, Research Scholars and PG students.

## REGISTRATION DETAILS

No registration fee for participation. Outstation participants from AICTE approved institutions will be given TA/DA as per AICTE norms. Selection will be done based on first-cum-first serve basis and the confirmed candidates will be notified immediately. Registration can be done through ATAL website.

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

*The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.*



## IMPORTANT DATES

Last date of receipt of filled application forms:

**05<sup>th</sup> January 2024**

Date of intimation of selection:

**07<sup>th</sup> January 2024**

Chief Patron : **Msgr. Dr. Joseph Maleparampil**  
*Chairman, SJCTET Palai*

Patron : **Rev. Fr. Mathew Koramkuzha**  
*Manager, SJCTET Palai*

## ADVISORY COMMITTEE

**Dr. V. P. Devassia**, *Principal, SJCTET Palai*

**Dr. Madhukumar S.**, *Vice Principal, SJCTET Palai*

**Deans and HoDs**, *SJCTET Palai*

## ORGANIZING COMMITTEE

Convener: **Dr. P. P. Joby**, HoD, CSE

Coordinator: **Dr. Praseetha V. M.**, Associate Professor, CSE

Co-Coordinator: **Prof. Bino Thomas**, Assistant Professor, CSE

Members: **CSE Staff members**, SJCTET Palai

## CONTACT DETAILS

Coordinator:

**Dr. Praseetha V. M.**,

Associate Professor, CSE

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Co-Coordinator:

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Mob : +91 9447383034



**APPLICATION FORM**

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DEVELOPMENT PROGRAMME *on*

**CYBER SECURITY -  
TRENDS AND  
CHALLENGES**

**15.01.2024 - 20.01.2024**

- 1. Name: .....
- 2. Designation: .....
- 3. Department: .....
- 4. Institution: .....
- 5. Address: .....  
.....  
.....
- 6. Phone (Office): .....
- 7. Mobile No.: .....
- 8. Qualification: .....
- 9. Experience: .....
- 10. Food Preference : Veg. / Non-Veg.
- 11. Accommodation required : Yes / No

**Declaration:**

*The given information is true to the best of my knowledge.  
I agree to abide by the rules and regulations governing the  
FDP, if selected.*

Place: .....

Date: ..... Signature of the Applicant

**NO OBJECTION CERTIFICATE**

The applicant,  
Mr./Ms./Mrs./Dr.....  
is an employee of our institution and the institute has no  
objection in him/her applying for the AICTE sponsored  
ATAL FDP on **Cyber Security - Trends and Challenges**. If  
selected he/she will be permitted to attend the  
programme.

Place: .....

Date: .....

Signature of the  
Head of the Institution

(College Seal)

