

ANAND INSTITUTE OF HIGHER TECHNOLOGY

KALASALINGAM NAGAR, KAZHIPATTUR, OMR, CHENNAI – 603103



AICTE
Training and Learning
Academy Programme



Sponsored

**5 days Faculty Development Programme
(Elementary Level)**

On

Cyber Security

7th -11th June 2021



Co-ordinator

Dr.S. Roselin Mary
HOD/CSE

**Department of
Computer Science and Engineering
(NBA Accredited)**

About the College

Anand Institute of Higher Technology (AIHT) was established in the year 2000 by the Founder Late Kalvivalal Thiru.T.Kalasalingam, B.Com and run by "KALASALINGAM AND ANANDAM AMMAL CHARITIES" trust. AIHT is located in a sprawling area of 25 acres in Kalasalingam Nagar, Rajiv Gandhi Salai, nearby Siruseri IT Park, Chennai.

The Institution is approved by Government of TamilNadu and AICTE, New Delhi. It is affiliated to Anna University, Chennai. Our College offers the following **UG** courses in CSE, IT, AI and DATASCIENCE, COMPUTER and COMMUNICATION ECE, EEE, MECH, BIOTECH, AGRI and **PG** courses in M.E(CSE), M.E(VLSI), M.E(Embedded) and MBA. In its excellence, the Institution is WIPRO certified and INFOSYS campus connected. More than 3 crores Govt funded research projects are ongoing. Our institute has been recognized as Business Incubator Centre by MSME and has collaboration with various MNCs.

About the Department

The Department of Computer science and Engineering was established in the year 2000 with a vision to produce technically competent, socially committed technocrats and administrators through quality education and to carry out multidisciplinary research. The Department offers **B.E (CSE)** and **M.E (CSE)** courses. The Department is accredited by **NBA** and AICTE, New Delhi.

The Department has well equipped laboratories with more than 250 computers. The department conducts many seminars, workshops

and training on recent technologies regularly. Every year, 85% of eligible students were placed in Top most MNC companies. Few students had started up their own company in the campus with DST Govt fund. More than One crore govt funded research projects are going on in the department.

About the FDP

Technology and its widespread usage increase the number of cybercrimes. Hence, much focus is given on cyber security trends. This programme aims to provide an Elementary level FDP for Cyber Security Aspirants by providing Cyber Security Awareness and Training. It is to promote research and training aspects in cyber security and familiarize with the available tools.

Course Content

- ❖ Introduction to Cyber attacks
- ❖ Demonstration & Hands-on : Various security attacks on Web Applications.
- ❖ IT Security Audit
- ❖ Hands-on: Vulnerabilities Assessment and Penetration Testing using Open Source tools (e.g. Burp Suit, DVWA)
- ❖ Hands-on Brute Force Attack,
- ❖ Hands-on OS Command Injection
- ❖ Hands-on Reflected & Stored Cross-Site Scripting (XSS)
- ❖ Techniques for safeguard from website hacking
- ❖ Cyber Forensics
- ❖ Cyber laws



Resource Persons

The sessions will be handled by experts from academia, research organizations and industry in the subject area.

Eligibility

Faculty and Research Scholars from AICTE Recognized Institutions are only eligible to apply.

Guidelines

- No participant fees.
- The applicants should register at <https://atalacademy.aicte-india.org/login>
- The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored a minimum of 60% marks in the test conducted at the end of the online FDP.
- The Number of Participants is limited to 200.
- Session time will be from 9 AM to 3:00 PM

For Details Contact

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Coordinator,**

**Department of Computer Science and Engineering,
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Organizing Committee

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Mrs.Vinothini,AP/CSE

Schedule

Date	Session I (9:00 AM -10:30AM)	Session II (11:00 AM -12:30PM)	Session III (1:30 PM - 3:00 PM)
07-06-2021	<ul style="list-style-type: none"> • Inauguration • Introduction to Cyber Attacks 	<ul style="list-style-type: none"> • Cyber Forensics 	<ul style="list-style-type: none"> • Demonstration and Hands on: various security attacks on web applications
08-06-2021	<ul style="list-style-type: none"> • The Role of cryptography in cyber security 	<ul style="list-style-type: none"> • Cryptography techniques and applications 	<ul style="list-style-type: none"> • Cyber laws
09-06-2021	<ul style="list-style-type: none"> • Hands-on: Vulnerabilities Assessment and Penetration Testing using Open Source tools (e.g. Burp Suit, DVWA) 	<ul style="list-style-type: none"> • Public Key Infrastructure 	<ul style="list-style-type: none"> • IT security audit
10-06-2021	<ul style="list-style-type: none"> • Hands-on Brute Force Attack 	<ul style="list-style-type: none"> • OS Command Injection 	<ul style="list-style-type: none"> • Hands on Reflected & Stored Cross-Site Scripting (XSS)
11-06-2021	<ul style="list-style-type: none"> • Techniques for safeguard from website hacking 	<ul style="list-style-type: none"> • Stress Management 	<ul style="list-style-type: none"> • Test & Feedback • Valedictory

TEA BREAK

LUNCH BREAK

TEA BREAK

