

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Place :

Date :

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

_____ is an employee/student of our Institute and is hereby sponsored. He/She will be permitted to attend the course for the entire duration, if selected.

Office Seal

Signature of the
Sponsoring authority

Place:

Date:

Application form completed in all aspects is to be sent to:

Dr. R.R.Rajalaxmi

Professor/Co-ordinator

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

“Actionable AI in Cyber Security”

Dept of Computer Science and Engineering,
School of Communication and Computer Sciences,

Kongu Engineering College,

Perundurai, Erode-638 060, TamilNadu.

Mobile No: 9486561199



ABOUT THE COLLEGE

Kongu Engineering College was established in the year 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A” and an autonomous institution affiliated to Anna University, Chennai. The institution has completed 34 years of dedicated and excellent service in the field of technical education. It offers 14 UG, 19 PG and 16 Research programmes in Engineering, Applied Science and Management imparting high quality value education in India. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. 2nd Position among Self Financing Engineering Colleges in Tamilnadu, 9th position in top Engineering colleges of super excellence and 10th position among 126 top Engineering Colleges in India including (IITs and NITs) in Competition Success Review (CSR) June 2018 issue. Kongu Engineering College has been awarded as the cleanest campus for the year 2017 by AICTE.

ABOUT THE DEPARTMENT

The Department of CSE was started in the year 1988 with B.E. programme. With the increasing demand in Computer Science and Engineering, M.E programme was started in the year 1999. The department is recognized to offer research programme leading to Ph.D. The department aims at developing intellectually alert, scientifically progressive, globally competent and dynamic young IT professionals.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode. It is well connected by air, road and rail.



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



**One week Faculty Development
Programme (online Mode)**

on

**“ACTIONABLE AI IN CYBER
SECURITY”
(14.12.2020 TO 18.12.2020)**

Co-ordinator

Dr. R.R.Rajalaxmi

Professor

Co-coordinators

Mr. S.Santhoshkumar

Assistant Professor(SRG)

Ms. M.K.Dharani

Assistant Professor

Organized by

Department of Computer Science and Engineering
School of Communication and Computer Sciences

KONGU ENGINEERING COLLEGE

(Autonomous)

Perundurai – 638060, Erode, TamilNadu

Tel : 9486561199, 9788343588, 9865531188

Fax : 04294-220087

E-mail: rrr@kongu.ac.in

Website: www.kongu.ac.in



Transform Yourself

PREAMBLE

In digital era cyber space plays a major role in information technology. As cyber attacks grow in volume and complexity, artificial Intelligence (AI) provides security for several threats. Emerging technologies put cyber security at risk. Even the new advancements in defensive strategies of security professionals fail at some point. Besides, as offensive-defensive strategies and innovations are running in a never-ending cycle, the complexity and volume of cyber-attacks have increased. AI can efficiently analyze user behaviors, deduce a pattern, and identify all sorts of abnormalities or irregularities in the network. With such data, it's much easier to identify cyber vulnerabilities quickly. Contrarily, the responsibilities which are now dependent on human intelligence will then be susceptible to malicious cyber programs imitating legitimate AI-based algorithms. AI automation will be able to identify recurring incidents and even remediate them. It will also be able to manage insider threats and device management. Complicated hacking techniques, such as obfuscation, and polymorphism make it a real challenge to identify malicious programs. Besides, security engineers with domain-specific workforce shortage are another issue. With AI stepping into cyber security, experts and researchers are trying to use its potential to identify and counteract sophisticated cyber-attacks with minimal human intervention. AI, machine learning and deep learning has enabled security professionals to learn about new attack vectors.

This FDP aims to provide a platform for researchers, academicians, industry fellows to know about the latest innovations and research gap in cyber security using AI

TO BE COVERED

1. Threats and vulnerabilities in Cyber Security
2. Demystifying AI.
3. Insights on Cyber Security Tools
4. Foundations of Machine Learning and Deep Learning.
5. Applications of AI in
 - a. Behavior analysis
 - b. Intrusion Detection
 - c. Anomaly Detection
 - d. DOS/DDOS Attack
 - e. Fake news Identification

RESOURCE PERSONS

Sessions will be handled by eminent persons from industry and reputed institutions

ELIGIBILITY

Faculties from AICTE approved Institutions, Research Scholars, PG Scholars, Industry Person and participants from Government.

REGISTRATION

Registration is free and limited to 200 participants. Applications will be selected on a First come first serve basis. Register through AICTE- ATAL Portal.
<https://atalacademy.aicte-india.org/signup>

SCHEDULED DATES

Last Date for Online Registration : 07.12.2020
Intimation of Selection : 09.12.2020
Confirmation by Participants : 11.12.2020



**KONGU ENGINEERING
COLLEGE**

(Autonomous)
PERUNDURAI, ERODE -638 060, TAMILNADU



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One week Faculty Development
Programme(online Mode)**

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(14.12.2020 to 18.12.2020)

APPLICATION FORM

Name :
Department :
Educational
Qualification :
Age :
Organization :
Designation :
Address for
Communication:
E-mail ID :
Mobile Number:
Need Accommodation: Yes/No

**Signature of the
the Sponsoring Authority**

**Signature of
Applicant**