



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)



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Ref. No.: VTU/PS/2026-27/106

Date:

24 JUN 2026

CIRCULAR

Sub: Participation in Five Day Faculty Development Programme on “Cybersecurity and Artificial Intelligence: Strengthening Teaching Practices and Research Competencies”

Ref: E-mail dated 22.06.2026 from the Principal, New Horizon College of Engineering, Bengaluru.

With reference to the above subject, this is to inform you that the Department of Computer Science and Engineering in association with the Skill Development Centre, New Horizon College of Engineering is organizing **Five-Day Faculty Development Programme (FDP)** on “**Cybersecurity and Artificial Intelligence: Strengthening Teaching Practices and Research Competencies**” from 13th to 17th July 2026.

FDP Brochure is enclosed for further information and you may contact Dr. Asha Joseph, Mob.: 9449123958, e-mail: hod_cse01@newhorizonindia.edu and the Coordinator Dr. Sonali Mahure, Mob.: 8263909205.

You are hereby requested to bring the contents of this circular to the notice of all the concerned.

Prasad B. Rampure
24/6/26
REGISTRAR
Prasad

Encl: Brochure.

To,

- 1) The Principals of all the Constituent/Affiliated/Autonomous Engineering Colleges and Schools of Architecture of VTU.
- 2) The Chairpersons/Programme Coordinators of all the Departments, Centers for PG Studies of VTU in Muddenahalli, Belagavi, Kalaburgi and Mysuru.

Copy to:

- 1) The Hon'ble Vice-Chancellor, through his Secretary, VTU, Belagavi for information.
- 2) The Regional Directors (I/c), VTU Regional Centres at Bengaluru, Belagavi, Kalaburgi & Mysuru for information.

ABOUT THE INSTITUTION

New Horizon College of Engineering, (NHCE) is an autonomous institution permanently affiliated with Visvesvaraya Technological University (VTU) and approved by the All India Council for Technical Education (AICTE) as well as the University Grants Commission (UGC). It is accredited by NAAC with an 'A' Grade and by the National Board of Accreditation (NBA), QS I-GAUGE Diamond Ranking. The college is in the heart of India's IT capital, Bangalore. The campus is in proximity to multinational corporations.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering at NHCE was established in the year 2001 and offers undergraduate, postgraduate, and PhD programmes. The department has been accredited by the National Board of Accreditation (NBA) and has a total strength of over 1000+ students, with highly qualified, motivated, and experienced faculty members. The Computer Science and Engineering department strongly emphasises learning fundamentals and analysing the latest technology to develop students' creativity by encouraging them to undertake projects with varying levels of complexity.

ABOUT THE FDP

The Faculty Development Programme (FDP) on "Cybersecurity and Artificial Intelligence: Strengthening Teaching Practices and Research Competencies" focuses on the increasing importance of secure and intelligent technologies in education and research. The programme highlights the role of cybersecurity in safeguarding academic data and digital learning platforms from cyber threats. It also explores how Artificial Intelligence enhances teaching through personalised learning, automated assessment, and intelligent educational tools. Participants will gain knowledge of AI-based research methodologies, data analysis, and the ethical use of technology. The FDP aims to strengthen digital teaching practices, research capabilities, and cyber awareness among educators and researchers. It provides a platform to promote innovative, secure, and technology-driven academic environments.

ORGANISING COMMITTEE

Chief Patrons

Dr. Mohan Manghnani

Chairman

New Horizon Educational Institution

Mr. Dharmesh Manghnani

President

New Horizon Educational Institution

Patrons

Dr. Manjunatha

Principal

Dr. R. J. Anandhi

Vice Principal - Academics

Convenors

Dr. Uma Reddy N V

Dean - CSE

Dr. Asha Joseph

HoD-CSE

Dr. B Swathi

HoD-CSE

Coordinators

Dr. Sonali Mahure

Professor - CSE

dr.sonalljm_cse2_nhce@newhorizonindia.edu
82639 09205

Dr. Bhimaraya Patil

Associate Professor-CSE

Prof. Vijayashree H P

Sr. Assistant Professor-CSE

Dr. Lipsa Dash

Coordinator, Skill Development Centre



Department of Computer Science and Engineering

In association with

Skill Development Centre

Five Day Faculty Development Programme

ON

**Cybersecurity and Artificial Intelligence:
Strengthening Teaching Practices
and Research Competencies**

13th - 17th July 2026



OBJECTIVES OF THE FDP

- To provide faculty members with a comprehensive understanding of the integration of Cybersecurity and Artificial Intelligence in teaching and research.
- To familiarize participants with modern cyber threats, attack methodologies, and cybersecurity defense mechanisms.
- To develop practical skills in digital forensics, network security, web security, and vulnerability assessment.
- To expose participants to industry-standard cybersecurity tools and real-world forensic investigation practices.
- To enhance research competencies in cybersecurity solutions and emerging security technologies.
- To enable faculty members to incorporate contemporary cybersecurity concepts and digital literacy practices into academic curricula and student projects.

OUTCOMES OF THE FDP

- Understanding Cybersecurity and Artificial Intelligence and their interdisciplinary applications.
- Analyze cyber threats, attack vectors, malware, phishing attacks, and cybersecurity breach scenarios.
- Apply cybersecurity tools and techniques for network analysis, digital forensics, and web security assessment.
- Perform basic vulnerability assessment and penetration testing activities using industry-standard tools.
- Evaluate the role of AI in cyber defense, threat detection, and security automation.
- Integrate cybersecurity awareness, digital media literacy, and emerging security practices into teaching, research, and curriculum development.

RESOURCE PERSONS

Mr. Pranay Malhotra

Director Business Consulting - Infosys

Ms. Anindita Mishra

Senior Trainer - Cyberpeace

Mr. Sushil Kumar

Sr. Engineer Cisco, Bangalore

Dr. S Ambaroesh

Professor - AI & ML, Sir MVIT

Mr. Samarth Bhat

Reverse Engineering Infosec Pvt Ltd

Dr. Durbadal Chattaraj
Associate Professor - CSE - Cyber Security, DSU

Mr. Mahesh Vastrad
Director - Agamy Cyber Tech

Dr. Vasudevan A R
Assistant Professor CSE, NIT Calicut

SCHEDULE

Day 1 – 13.07.2026

Inauguration – 10:00 AM - 11:00 AM

Session 1
Introduction to Linking Cybersecurity and AI
Session 2
Fundamentals of Cybersecurity and AI Integration
Session 3
Cyber Threat Landscape, Threat Actors, Malware, Social Engineering, Phishing Attacks, Cyber Kill Chain, Recent Cybersecurity Breaches

Day 2 – 14.07.2026

Session 4
Digital / Cyber Forensics and Network Security, Web - burpsuite, nmap, owasp Forensics - ftkimager, amped
Session 5
1st Hour: Hack the Box with Classical Cryptography and Cyber Security Practices (Presentation)

Day 3 – 15.07.2026

Session 6
Web Security and Pen Testing / VAPT
Session 7
Firewalls and IDS/IPS, Virtual Private Networks (VPN)

Day 4 – 16.07.2026

Session 8
Field Visit, Exposure to Tools and Techniques
Session 9
Mechanisms used in real time for Cybersecurity and Forensics

Day 5 – 17.07.2026

Session 10
Digital Media Literacy
Session 11
Feedback and Photo Book
Valedictory – 2:30 PM – 3:00 PM

ELIGIBILITY

The FDP is open to faculty members from AICTE/UGC-recognised institutions, research scholars, PG students and academic administrators from universities, engineering colleges, degree colleges, and polytechnics. Participants from industry and other organisations may also be considered based on relevance and availability of seats.

- Attend at least 80% of the Sessions

REGISTRATION

- The registration fee for external participants attending the Faculty Development Programme (FDP) is ₹900.
- Registration is confirmed only after successful payment.
- The fee is non-refundable and non-transferable.
- Payment details and confirmation link will be shared after registration.
- The registration must be done through QR code:

Registration Link: <https://forms.gle/yeFJKqgbWeG9VXgo9>

SCAN QR CODE FOR PAYMENT

