Makhanlal Chaturvedi National University of Journalism and Communication, Bhopal (M.P.)

Department of Computer Science and Applications

Organizing

Online Faculty Development Program on

Cyber Security

Sponsored by AICTE ATAL

6th to 10th December 2021

About the University

Makhanlal Chaturvedi National University of Journalism and Communication (MCNUJC) was established in 1990 by the Madhya Pradesh Government. Hon'ble Vice President of India is the Visitor of university. The Chief Minister of Madhya Pradesh is the Chairman of the General Council and the Management Committee of the University. The University is a member of the Association of Commonwealth Universities and the Association of Indian Universities (AIU).The University conducts postgraduate, undergraduate as well as skill-oriented diploma courses in Computer Applications, Electronic Media, New Media, Journalism, Advertising and Public relations, Management and Communication Research.

About the Department

The Department of Computer Science and Applications was established in year 1993 with a vision of bringing globally pioneer in Computer Science, Applications and Information Technology professionals and entrepreneurs. The Department has been successful in creating a bridge between the theoretical understanding and practical knowledge for inculcating the skills in the students through current, practical, the best quality and job oriented course curricula. Department have experienced faculty members, and computer laboratories fitted with high end equipment. The Department periodically conducts hands-on workshop on recent technology with industry.

About ATAL Academy

"To empower faculty to achieve goals of higher education such as access, equity and quality" is the vision of   AICTE Training and Learning (ATAL) academy.

All India Council for Technical Education is committed for development of quality technical education in country by initiating various scheme launched my Government of India MHRD. With an understanding of the need of skilled young generation the council is putting efforts on training faculties and technicians through ATAL Faculty Development Programs.

About the Program

During the unprecedented times of pandemic, the sudden rush to go digital increased. With the increasing adoption and usage of internet and enabled services Cyber attacks are huge danger to organizations, employees and consumers. Awareness about threat of cyber attacks and effective cyber security solutions are need of the hour. Cyber security deals with the state of being protected against criminal and unauthorized use of electronic data. A strong cyber security system reduces risk of cyber attacks and protects organizations and individuals digital presence. IT companies are looking for skilled taskforce to develop flexible and scalable solutions of cyber threat and attack.

The aim of this FDP is to promote awareness of cyber security, applications of cyber security and learn skills required for the Cyber security profession and research dimensions. The sessions include security issues, make faculties understand importance of these aspects in real life scenarios and practice tools required for cyber security. It also familiarizes faculties with various laws related to cyber security and cybercrimes.

The FDP will start with an overview of cyber-security, information security, Vulnerability analysis tools, Malware analysis and cryptography aspects. It also introduce tools available for network scanning, identify and synthesize needs for internet security techniques share information and practical awareness for data and system protection from cyber-attacks, and recover information's through cyber forensic, ethical hacking.

This FDP is planned into Technical sessions and Hands-on Session.

The technical session part of the FDP will focus on challenging contemporary issues in cyber-security (cyber threat, cyber incidents, cyber threat sharing, cyber technology evolution etc), cryptography and Cyber law. The hands-on session part will extend the discussion to address hands on practice of security tools and techniques, data forensics, and implementation of cryptography primitives and protocols.
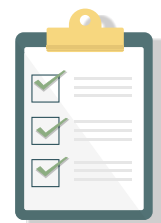
Topics

- Introduction to Cyber Security and Vulnerability
- Data protection and privacy
- Risk Management in IT
- Security – Requirements and types
- Security models and Tools
- Cryptography and cyber analysis
- Cyber Forensic and Analysis Tools
- Cybercrime and laws
- Ethical Hacking
- Health and Happiness to promote FIT India.

Eligibility to Participate

The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry(Bureaucrats/Technicians/Participants from Industry etc.)/SchoolTeachers and staff of host institutions.

About program fees

There is no registration fee to attend this program. As the program is online participants should have internet connection and equipment for online class.

Registration procedure:

Participants interested to attend this program need to make compulsory online registration on the below mentioned link:
 https:// https://www.aicte-india.org/atal

 Selection of participants will be done based on first-come-first-serve basis.

Shortlisted candidates will be informed through email.Those who have attendance 80% or more and also score more than 60% in the test will be issued a digital certificate by the ATAL Academy.

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