AICTE-ATAL
Sponsored

Two Weeks FDP

on

CYBER SECURITY: Advanced Cyber Security-Research Theoretical and Practical Approach

Feb 3rd to 15th , 2025

School of Computer and Systems Sciences

Jawaharlal Nehru University

New Delhi, India
110067

ABOUT THE UNIVERSITY

Jawaharlal Nehru University (JNU) is India's top university and a globally recognized hub for teaching and research. Ranked first in India by the National Assessment and Accreditation Council (NAAC) with a Grade Point of 3.62, JNU was ranked second in 2024 and 2023 by the National Institutional Ranking Framework. In 2017, JNU also received the Best University Award from the President of India. Established in 1966, JNU's strength and reputation stem from its vision that ideas are for exploration, and diversity of opinions fuels intellectual growth. It provides a space for the intellectually curious and rigorous, offering a calm, green oasis within India's capital. Since its inception in 1969, JNU has introduced frontier disciplines and fresh perspectives to the Indian university system.

ABOUT SCHOOL

Since its inception in 1974, the School of Computer & Systems Sciences has aimed to meet the computing needs of various JNU Schools by offering specially designed courses. The curriculum integrates inputs from Statistics, Operations Research, Algebra, Combinatorics, Digital Electronics, Systems Software, Artificial Intelligence, Computer Architecture, and Programming Languages. A training and placement cell connects with government and industrial organizations to facilitate student employment. Upon completion, students are well-prepared for the global IT sector and research roles at prestigious institutions. The School offers M.C.A, M.Tech, and Ph.D. programs, providing both theoretical and practical experience to meet the needs of the global software and hardware industry.

ABOUT AICTE-ATAL

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understand that there is a need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies.

ABOUT FDP

Cryptology protects information by encrypting it into an unreadable format and retranslating it to plain text. Its knowledge is essential due to its role in data communication, including e-mail, banking, defense, and cryptocurrency. Cryptography ensures information security in communications, computer systems, e-commerce, and IT. This FDP covers fundamentals of cryptology, Trust Management, Authentication Schemes, Forensic Tools, Cyber Law, Quantum Cryptography, Wireless Security VAPT, Firewall, IDS, and network security. Participants will gain insights into both basics and recent developments in these fields.

TOPICS

- Cyber Security & Cryptography Algorithm
- Investigation of cybercrimes& laws
- Role of social media in cyber security
- Vulnerability assessment and penetration testing
- Quantum Computing & Cryptography
- Ethical Hacking
- Authentication and Blockchain
- Hands on Blockchain based Cyber Security
- Hands on Social media Forensic & more

SPEAKERS

This FDP facilitated by expert speakers from prestigious institutions such as IITs, NITs, top central universities, renowned research organizations, and leading industry professionals. Participants will benefit from their extensive knowledge and experience in cutting-edge technologies, ensuring a comprehensive and insightful learning experience.

PARTICIPANT EVAUATION

Candidates would be eligible to receive a certificate up on achieving at least 70% cumulative weightage in the following aspects in the weightage mentioned.

1. Attendance – minimum 80% attendance is mandatory. 100 & attendance - (individual)- weightage 10%
2. 3-4 Page Article Summary/per Team - (Team & Individual) - weightage 10%.
3. Project/ Live industry problem solving - (Team & Individual)–weightage40 %
4. Report/outcome of Industrial visit- (Team) at the last session –weightage25%
5. Reflection Journal - (Individual) - at the last session – weightage15%

TRANSPORT ALLOWANCE

Transport Allowance for Participates:(Rs. 3,000/- (lump sum) per External Participant payable only for those with >=90% attendance and traveling beyond 20 KM one side)

REGISTRATION DETAILS

Registration: **FREE**

Steps to Register:

Sign up as a participant and fill in your details.

Go to FDPs → ATAL → February → ENGINEERING → Offline.

(or)

(Use Ctrl+F and search for FDP Application No: **1715844678**)

CONTACT DETAILS

👤 Dr. Karan Singh & Prof. D. K. Lobiyal

📞 +91 9560402070

✉ karan@mail.jnu.ac.in

📍 School of Computer and Systems Sciences, Jawaharlal Nehru University New Delhi – 110067

APPLICATION LINK

https://atalacademy.aicte-india.org/

Selected applicants will be notified.

Who can Apply

Faculty members, Research scholars & PG Scholars of AICTE approved institutions and Industry Personnel

80% attendance is mandatory to get the FDP certificate

TIMINGS

Mon to Sat: 9.00am to 5.00pm

Mode: Face to Face (Offline)

NOC LINK

https://shorturl.at/o7ZsL