

## ABOUT THE JNTUK, KAKINADA

Jawaharlal Nehru Technological University Kakinada (JNTUK) was established in 2008 through Act No.30 of 2008 by the Government of Andhra Pradesh. Originating from the College of Engineering vizagapatnam founded in 1946, it became part of JNTU Hyderabad in 1972 and was later designated as JNTUK after the trifurcation of JNTU. It is located on a 100-acre campus in Kakinada. JNTUK has jurisdiction over 11 districts and governs 159 affiliated colleges. It caters to nearly 2.3 lakh students, offering 50+ undergraduate, 120+ postgraduate, and various Ph.D. programs in Engineering, Pharmacy, and Management. The university emphasizes quality education through Industry interaction, curriculum updates every three years, faculty development programs, and infrastructure for emerging technologies. Institutes like the Institute of Science and Technology (IST), School of Food Technology (SFT), and School Management Studies (SMS) support advanced learning and research. JNTUK also promotes research via dedicated R&D cells, scholarships for full-time researchers, and MOOCs in collaboration with IITs, NITs and industry experts.

## ABOUT VITE

Vishnu Institute of Technology, Bhimavaram (VITB) was established in 2008 by Sri K.V. Vishnu Raju under the aegis of Sri Vishnu Educational Society, founded by Padma Bhushan Dr. B.V. Raju. The institution began with a modest UG intake of 240 students and has since grown significantly to UG intake of 1140 and PG intake of 72. Approved by AICTE, New Delhi, VITB is offering a range of programs including 9 B.Tech. programs in CE, ME, EEE, ECE, CSE, IT, CSE(AI&DS), CSE(AI&ML), CSBS and 5 M.Tech. programs in EPE, DECS, AMFS, CSE, CSE(AIML). The institution is permanently affiliated to Jawaharlal Technological University, Kakinada (JNTUK), and has been accredited by NAAC with an 'A' grade(3.51/4). NBA has accredited 5 B.Tech programs in ME, EEE, ECE, CSE and IT. VITB is also recognized by the University Grants Commission under sections 2(F) and 12(B) of the UGC Act. VITB has autonomous status since 2019, and has received prestigious awards including the Ramakrishna Bajaj National Quality Award and the APQO Best in Class Award. The management is committed to providing quality education through a dedicated team of faculty members. VITB has become a pioneer in imparting higher education in the rural areas, contributing significantly to the region's educational landscape.

## ABOUT THE FDP

In the contemporary technological era, the significance of Cyber Security and Blockchain Technologies cannot be overstated. These domains are fundamentally transforming how we interact with digital systems, manage data securely, and conduct transactions with transparency and trust. Recognizing the growing importance and interdisciplinary nature of these fields, the Department of CSE at UCEK, JNTUK and Department of IT at Vishnu Institute of Technology, Bhimavaram, are organizing a Faculty Development Program (FDP) on Cyber Security and Blockchain Technologies. This FDP is meticulously designed to cater to the professional development needs of a diverse audience, including faculty members from engineering colleges, research scholars, and industry professionals.

For faculty members, this program offers a unique opportunity to deepen their understanding of the core concepts and recent advancements in both Cyber Security and Blockchain. By participating, educators can enhance their pedagogical approaches, develop relevant course content, and effectively mentor students in these critical areas. The knowledge gained will also empower faculty to guide innovative student projects and contribute to curriculum development that aligns with industry demands. Researchers will find this FDP beneficial for exploring the cutting edge of research in Cyber Security and Blockchain. The program aims to provide insights into current research challenges, emerging trends, and potential interdisciplinary collaborations. Participants will learn about novel methodologies and applications, thereby enriching their research pursuits and fostering innovation.

For industry personnel, the FDP offers a platform to gain practical knowledge in Cyber Security measures and the transformative potential of Blockchain Technology across various sectors. Attendees will be exposed to real-world case studies, industry best practices, and the latest tools and techniques.

The FDP aims to provide a comprehensive learning experience, encompassing foundational principles, advanced concepts, and practical applications. Participants can anticipate engaging sessions, opportunities for interaction with experts, and a platform for networking with peers from academia and industry.

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**Dr. D.J. Nagendra Kumar**, Prof. Dept. of IT, VITB, Bhimavaram

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**A ONE-WEEK OFFLINE  
FACULTY DEVELOPMENT PROGRAMME  
ON**



**Cyber Security and Blockchain Technologies**

**16<sup>th</sup> June to 20<sup>th</sup> June 2025  
From 9.30 AM to 5.00 PM**

**ORGANIZED BY**

**Dept. of CSE, UCEK, JNTUK, Kakinada  
in association with  
Dept. of IT, VITB, Bhimavaram**



**Free Registration**

Link: <https://sites.google.com/jntuk.edu.in/fdp4cet-12>

### For More Details

**Dr. T. Siva Rama Krishna**, Asst. Prof. Dept. CSE, UCEK, JNTUK, Kakinada. Ph. No: 9966005482

**Dr. D.J. Nagendra Kumar**, Prof., Dept. of IT, Vishnu Institute of Technology, Bhimavaram. Ph. No: 9959906809



**Venue**  
**C-BLOCK GROUND FLOOR SEMINAR HALL  
VISHNU INSTITUTE OF TECHNOLOGY, BHIMAVARAM**

A One-Week Offline Faculty Development Programme (FDP)  
on  
Cyber Security and Blockchain Technologies  
(16<sup>th</sup> to 20<sup>th</sup> June 2025)

| Date                                      | Session – 1<br>(09:30 AM :11:00 AM)                                                                                                                         |                                       | Session – 2<br>(11:15 AM-12:45 PM)                                                                                               |                                     | Session – 3<br>(01:45 PM-03:15 PM)                                                                           |                                     | Session – 4<br>(03:30 PM-05:00 PM)                                                                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Day-1</b><br>16-06-2025<br>(Monday)    | Introduction to Blockchain<br><i>Resource Person:</i><br>Dr. Y.V. Subba Rao, UOH                                                                            | <b>Break</b><br>(11:00 AM – 11:15 AM) | Blockchain Internals<br><i>Resource Person:</i><br>Dr. Y.V. Subba Rao, UOH                                                       | <b>LUNCH</b><br>(12:45 PM -1:45 PM) | Cryptography and Cryptanalysis<br><i>Resource Person:</i><br>Dr. B.R. Purushothama,<br>NIT-Karnataka         | <b>Break</b><br>(3:15 PM – 3:30 PM) | AI in Cyber Security<br><i>Resource Person:</i><br>Dr. ASN Chakravarthy,<br>JNTUK                  |
| <b>Day-2</b><br>17-06-2025<br>(Tuesday)   | Attacks on ML Models and Safeguarding Mechanisms<br><i>Resource Person:</i><br>Dr. B.R. Purushothama,<br>NIT-Karnataka                                      |                                       | Cloud Security Issues<br><i>Resource Person:</i><br>Dr. B.R. Purushothama,<br>NIT-Karnataka                                      |                                     | Ethereum Smart Contracts<br><i>Resource Person:</i><br>Dr. S. Nagesh Bhattu,<br>NIT-AP                       |                                     | Mining in Ethereum<br><i>Resource Person:</i><br>Dr. S. Nagesh Bhattu,<br>NIT-AP                   |
| <b>Day-3</b><br>18-06-2025<br>(Wednesday) | Mathematical Foundations for Cryptographic Security: From Finite Fields to McEliece PKS (1/2)<br><i>Resource Person:</i><br>Dr. K. Rohan Attele, CSU, USA   |                                       | Advanced Persistent Threats: Strategies for Mitigation<br><i>Resource Person:</i><br>Mr. S. Vidya Sagar,<br>Scientist-E, CERT-In |                                     | IoT and Embedded Device Security<br><i>Resource Person:</i><br>Mr. S. Vidya Sagar,<br>Scientist-E, CERT-In   |                                     | Digital Forensics<br><i>Resource Person:</i><br>Dr. ASN Chakravarthy,<br>JNTUK                     |
| <b>Day-4</b><br>19-06-2025<br>(Thursday)  | Incident Response and Threat hunting<br><i>Resource Person:</i><br>Mr. S. Vidya Sagar,<br>Scientist-E, CERT-In                                              |                                       | Handson: Cyber Security<br><i>Resource Person:</i><br>Mr. S. Vidya Sagar,<br>Scientist-E, CERT-In                                |                                     | Malware Analysis<br><i>Resource Person:</i><br>Dr. N. Raghu Kishore,<br>Mahindra University                  |                                     | Secure Coding Practices<br><i>Resource Person:</i><br>Dr. N. Raghu Kishore,<br>Mahindra University |
| <b>Day-5</b><br>20-06-2025<br>(Friday)    | Mathematical Foundations for Cryptographic Security: From Finite Fields to McEliece PKS-2 (2/2)<br><i>Resource Person:</i><br>Dr. K. Rohan Attele, CSU, USA |                                       | Security issues in Wireless Networks<br><i>Resource Person:</i><br>Dr. Rashmi Ranjan Rout,<br>NIT-Warangal                       |                                     | Key Establishment in Wireless Networks<br><i>Resource Person:</i><br>Dr. Rashmi Ranjan Rout,<br>NIT-Warangal |                                     | Integrating NEP 2020 in Class Room Teaching<br><i>Resource Person:</i><br>Dr. M. Venu, VITB        |

**Rules and Regulations:**

- Physical presence is mandatory for all sessions
- An assessment will be conducted at the end of FDP
- Participants need 100% attendance, 60% marks in the assessment, and must submit feedback to receive a Certificate of Participation
- There is no registration fee to attend this FDP
- Registrations are accepted only through the link provided in the brochure. There is no provision for offline/spot registrations
- After registration join the WhatsApp group to receive timely updates