

**"Awareness and Exploration of Cyber Security to the rural
Schools of Chittor district, Andhra Pradesh"**

One Day program Report

On

"Advanced cyber attacks and threats 03-03-2025"

Sponsored By

Division: NCSTC

Programme Or Scheme : CHILDREN CENTRIC OUTREACH
PROGRAMME

DEPARTMENT OF SCIENCE & TECHNOLOGY (DST),
MINISTRY OF SCIENCE AND TECHNOLOGY,
GOVERNMENT OF INDIA

Organized By

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
NARSIMHA REDDY ENGINEERING COLLEGE SECUNDERABAD,
TELANGANA STATE, INDIA- 500100.**



NARSIMHA REDDY ENGINEERING COLLEGE

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Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India

Title of The Event	Advanced cyber attacks and threats
Organized By	Department of Computer Science & Engineering
Event Convener Details	Dr. P. Dileep Kumar Reddy, Principal Investigator Professor, CSE Department Narsimha Reddy Engineering College (Autonomous) Secunderabad, Telangana State, India- 500100.
Resource Person Details	Dr. K. Sekar Professor & Vice Principal CSE Department SV College of Engineering, Karakambadi Road, Tirupati-517507.
Program Type*	Awareness and Exploration
Venue Details:	ZPHS high School Veerappareddi Palem, Puttur
Start Date : End Date : Duration of the activity :	03/03/2025 03/03/2025 10.00 AM to 05.00 PM
Mode of Session	Offline
Number of Student Participants *	200
Number of Faculty Participants *	50
Objective of The Event	<ul style="list-style-type: none"><input type="checkbox"/> To create awareness among students and faculty about the latest trends in cyber attacks and threats.<input type="checkbox"/> To educate participants on the types of advanced cyber attacks such as phishing, malware, ransomware, and social engineering.<input type="checkbox"/> To familiarize students with cybersecurity best practices and preventive measures for safe digital usage.<input type="checkbox"/> To demonstrate real-world case studies of cyber attacks and their impact on individuals and organizations.<input type="checkbox"/> To encourage students to develop a proactive approach to cybersecurity and digital responsibility.<input type="checkbox"/> To inspire interest among students towards careers in cybersecurity and ethical hacking.<input type="checkbox"/> To equip faculty with knowledge to guide students in identifying and reporting cyber threats.
Outcome of The Event	<ul style="list-style-type: none"><input type="checkbox"/> Students gained awareness about current cyber attack vectors and their real-life implications.<input type="checkbox"/> Enhanced understanding of preventive cybersecurity measures among

	<p>students and faculty.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fostered curiosity among students towards ethical hacking and cybersecurity as a career path. <input type="checkbox"/> Encouraged responsible digital behavior and safe internet usage habits in the school environment.
Brief Report:	<p>The Department of Computer Science & Engineering, Narsimha Reddy Engineering College (Autonomous), Secunderabad, organized an Awareness and Exploration Program on “Advanced Cyber Attacks and Threats” at ZPHS High School, Tirupati, on 3rd March 2025. The session was conducted in offline mode from 10:00 AM to 05:00 PM, with enthusiastic participation from 150 students and 10 faculty members.</p> <p>The event was convened by Dr. P. Dileep Kumar Reddy, Principal Investigator and Professor, CSE Department, Narsimha Reddy Engineering College. The primary objective of the program was to educate high school students and faculty about the evolving landscape of cyber threats, the methodologies used in advanced cyber attacks, and essential strategies for cybersecurity awareness and prevention.</p> <p>The session covered various topics, including:</p> <ul style="list-style-type: none"> • Introduction to cyber threats and types of cyber attacks. • Real-world case studies of advanced persistent threats (APTs). • Techniques like phishing, malware propagation, and ransomware attacks. • Basic cyber hygiene practices and the importance of strong passwords. • Role of cybersecurity in safeguarding personal and organizational data. • Demonstration of threat hunting and early detection techniques. <p>The interactive session provided hands-on insights into recognizing suspicious online activities and adopting safe online practices. The resource persons emphasized the importance of being vigilant in the digital space, especially for students who are increasingly exposed to the internet for educational and recreational purposes.</p>

Poster/ Brochure of the Event



The poster features a grid background. At the top left is a portrait of Dr. P. Dileep Kumar Reddy. In the center is the Government of India emblem with the motto 'सत्यमेव जयते' and the text 'Department of Science and Technology, Ministry of Science and Technology, Government of India'. At the top right is the NRCM logo with the tagline 'your roots to success'. The main title is 'AWARENESS AND EXPLORATION OF CYBER SECURITY TO THE RURAL SCHOOLS OF CHITTOR DISTRICT, ANDHRA PRADESH' in red. Below it, in purple, is 'CATALYZED AND SUPPORTED BY THE NATIONAL COUNCIL FOR SCIENCE & TECHNOLOGY COMMUNICATION, DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA.' The event title 'TITLE: ADVANCED CYBER ATTACKS AND THREATS' and date '03-03-2025' are in red. The Principal Investigator is Dr. P. Dileep Kumar Reddy, Professor, CSE Department. The Director is Dr. A. Mohan. The bottom section is a purple banner for 'NARSIMHA REDDY ENGINEERING COLLEGE (AUTONOMOUS INSTITUTION-UGC, GOVT.OF INDIA)', affiliated to JNTUH, with accreditation logos for AICTE, NBA, and NAAC (A-Grade).

Event Photograph 1



Event Photograph 2



Principal Investigator:
Dr. P. Dileep Kumar Reddy,
Professor, CSE Department
Narsimha Reddy Engineering
College (Autonomous)
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Principal
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