NNRG Integrated Campus

NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

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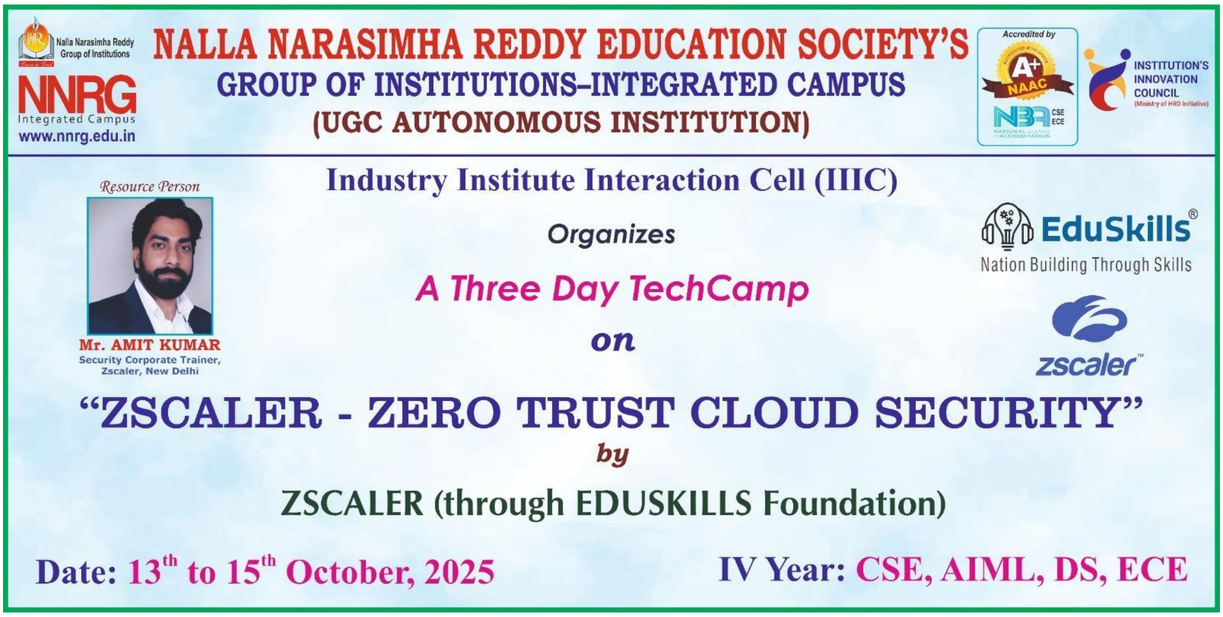
EAMCET/ECET/ICET/PGECET Code NNRG

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING – DATA SCIENCE

Academic Year: 2025-2026

Activity: Report on Guest Lecture **Date: 13-10-2025**



NALLA NARASIMHA REDDY EDUCATION SOCIETY'S

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Industry Institute Interaction Cell (IIIC)

Organizes

A Three Day TechCamp

on

"ZSCALER - ZERO TRUST CLOUD SECURITY"

by

ZSCALER (through EDUSKILLS Foundation)

Resource Person

Mr. AMIT KUMAR

Security Corporate Trainer, Zscaler, New Delhi

Date: 13th to 15th October, 2025

IV Year: CSE, AIML, DS, ECE

EduSkills
Nation Building Through Skills
zscaler
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1. Overview Summary

This report consolidates insights from three core Zscaler training modules and lab guides —**Z scaler Day-1Training Report**, **Z scaler EDU – 200 Lab Overview**, and **Zscaler EDU-200 Lab Summary (Labs6–14)**. Together, these documents represent a structured learning pathway for administrators mastering the Zscaler Zero Trust Exchange(ZTE) eco system.The training progresses from foundation al cyber security principles to hands-on deployment, configuration ,and monitoring of ZIA (Internet Access), ZPA (Private Access), and ZDX (Digital Experience).

2. Key Learnings from Each Phase

Phase1: Zscaler Day-1 Training

The Day-1 training established he conceptual lfoundation of Zscaler's Zero Trust model.It emphasized securing users, work loads, and IoT/OT through the Z scaler Zero Trust Exchange.Key take aways included understanding the **Cyber KillChain** ,**attack stages**, and the elimination of traditional perimeter security models through Zero Trust.
Administrators learned about **ZIA**, **ZPA**,and **ZDX** components, identity management (Z Identity), and authorization principles using IDPs like Okta. The session concluded

With hands-on exposure to Z scaler Client Connector(ZCC) and tunneling mechanisms for secure traffic.

Phase2:Zscaler EDU-200 Lab Overview(Labs1–5)

The initial EDU-200 labs focused on the **Safe march Organization** scenario, a practical simulation of Zs caler deployment. Administrators configured user groups, installed the Z scaler Client Connector, and verified connectivity with ZIA, ZPA, and ZDX. The labs covered SSL inspection, URL-based content filtering ,and Cloud App Control to manage SaaS application access. This phase built operational familiarity with policy creation, logging, and role-based access control within the Z scaler environment.

Phase3: Zscaler EDU-200Labs (6–14)

The advanced section expanded into **ZPA deployment, Cyber Risk quantification, DLP (Data Loss Prevention), and ZDX analytics**. Administrators learned To deploy App Connectors, define Application Segments, and create Access Policies that grant least-privilege access. Through Application Discovery, Zscaler automatically identified internal resources, reducing manual configuration.
In the **Cyber Risk Posture** exercises, participants measured threat exposure on protected versus unprotected devices.The labs concluded with practical use of the **Risk360** and **Deception** Portals, followed by **ZDX Performance Dashboard** analysis to track metrics like ZDX Score and user experience across regions

3. Comparative Insights

Across the three modules, a clear progression emerges—from conceptual understanding (Day-1) to practical application (EDU-200). Zscaler's ecosystem demonstrates a **shift from network-centric to application-centric security**. The use of **App Connectors, DLP policies, and risk quantification** highlights automation and visibility as core strengths.
The **Deception Portal** and **ZDXD ashboard** reinforce pro active defense and continuous user experience monitoring. Together, these tools embody Zscaler's philosophy of **Zero Trust: verifying every connection, user, and device continuously.**

Zscaler for Users – Administrator (EDU-200) Learning Path Structure
The Zscaler for Users – Administrator (EDU-200) learning path includes the ten courses:
1 Zero Trust Exchange Overview
2 Identity Services
3 Connectivity Services
4 Platform Services
5 Access Control Services
6 Cyberthreat Protection Services
7 Data Protection Services
8 Risk Management
9 Zscaler Digital Experience
10 Zscaler Zero Trust Aut
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Lat 17.402172° Long 78.653078°

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4. Key Take aways

- **Zero Trust Exchange (ZTE)** eliminates implicit ttrust and ensures secure application access.
- **Cyber Risk Quantification** provides measurable insights into an organization's security posture.
- **Data Loss Prevention (DLP)** safe guards sensitive information via predefined and custom dictionaries.
- **Risk 360 and Deception Portals** enhance situational awareness and active threat response.
- **Z DX Analytics** ensures high-quality user experiences through real-time performance metrics.
- The combination of **ZIA, ZPA, and ZDX** forms a comprehensive digital defense system for modern enterprises.

5. Conclusion

The collective Z scalar training journey represents a complete roadmap for Zero Trust implementation — from foundational cyber security theory to advanced operational analytics. Administrators completing these labs are equipped to deploy, secure, and monitor applications effectively in hybrid and cloud-native environments. The integration of ZIA, ZPA, and ZDX under a unified management console allows organizations to achieve not only enhanced security but also optimized performance and resilience in digital transformation.

Faculty Co-ordinator **HOD-DS**