

NIELIT Virtual Academy

INTERNSHIP PROSPECTUS

Name of the Internship: Online Internship Program in Virtualization Technologies

Internship Code: IN-26

Mode of Conduction: Online

Starting Date: 20th May 2026

Last date of registration: 17th May 2026

Duration: 6 Weeks

Objective of the Course

This skill-oriented course provides candidates with information required for configuration and administration of OS Server, Cloud Deployment & its Security and equip them with the skills required to protect & recover the computer systems & networks from various security threats in dedicated or cloud environment.

Outcome of the Course:

Provide the participants with in-depth knowledge and skills required for Virtualization techniques by imparting a comprehensive understanding of the fundamental principles, methodologies, and industry practices.

Course Fee: Rs: 1000/- (inclusive of GST)

Eligibility: Pursuing or Graduate in BE/B.Tech/B.sc/BCA/MCA (IT/CS/Electronics)

Methodology:

- ✓ Teaching Mode: Self-Pace
- ✓ Access from anywhere anytime
- ✓ Content Access through e-learning portal
- ✓ Doubt Removal Session
- ✓ Covers both Theory & Practical
- ✓ Certification: On completion of the Mini Project

Registration Link: <https://nva.nielit.gov.in>

Contact Details:

- Course coordinator Name: Dr. Munivel E, Scientist/Engineer 'D'
- Email: munivel@nielit.gov.in
- Mobile number: 9443349257

Course Structure:

Module No	Module Title
1	Module 1 – Linux Server Administration
2	Module 2 – Virtualization Technologies

Syllabus:

Module 1 – Linux & Security Fundamentals

- Introduction to Linux Fundamentals & Linux Commands
- Browsing Filesystem & Users, Groups & Permissions
- Basic System Configuration Tools
- Finding & Processing Files
- Investigating & Managing Processes
- System Initialization & Packet Management
- System Services & Network Configuration

Module 2 – Virtualization Technologies

- Configuring Virtual Box/VMware
- KVM Virtualization
- Deploying Vagrant
- Setting Linux Container – Docker, Docker Compose
- Container Orchestration – Docker Swarm