National Institute of Technical Teachers Training and Research, Chandigarh

Computer Science and Engineering Department

STC on "Mastering Linux for Engineering Applications"
(25-29 May 2026)

Oplan: CSE-01

TIME-TABLE

DATE	10:00 A.M. to 11:30 P.M.	11:30 A.M. to 1:00 P.M.	3:00P.M. to 4:30 P.M.
25-05-2026	Foundations of Linux Operating Systems for Engineering Applications (AD)	Virtualization and Linux Installation: Environment Setup for Engineering Applications (AD)	Linux Internals, Commands, and File System Permissions (AD)
26-05-2026	Linux for High Performance Computing and Parallel Processing (AG)	Shell Scripting and Automation using Bash for Engineering Workflows (AD)	Version Control for Engineering and Research Projects using Git and GitHub (AK)
28-05-2026	Design and Deployment of AI Agents using CrewAI in Linux Environments (GD)	Python Programming for Linux-Based Engineering Applications (AD)	Containerization and Application Deployment using Docker in Linux (GD)
29-05-2026	Web Server Configuration and Virtual Hosting in Linux Environments (AD)	Implementation of SSL/TLS Security for Web Servers in Linux (AD)	Feedback and Valediction (AD)

AD: Dr. Amit Doegar – Course Coordinator, Department of CSE, NITTTR, Chandigarh

Resource Persons

Resource Persons:	Affiliation/Organisation of Expert	Area of Expertise
GD: Mr. Gagan Deep	Founder & Director , Rozy Computech Services, Kurukshetra	Data Science, Machine Learning
AG: Ajay Godara	Director Enovation Lab LLP, Chandigarh	IoT, High Computing
AK: Dr. Ajay Koli	Executive Director, SARA Institute of Data Science, Sonipat	Data Science

Title of the Course	**Mastering Linux for Engineering Applications (National)**
Operational Plan No	**CSE-01 Contact Mode (Offline)**
Dates and Venue	25 – 29 May 2026; NITTTR, Chandigarh (Nodal Centres)
Course Objectives	The programme is aimed at equipping faculty members and engineering professionals with comprehensive knowledge and practical skills in Linux-based environments to support modern engineering applications, research, and development workflows.
Course Contents	• Foundations of Linux Operating Systems for Engineering Applications • Virtualization and Linux Installation: Environment Setup for Engineering Applications • Linux Internals, Commands, and File System Permissions • Linux for High Performance Computing and Parallel Processing • Shell Scripting and Automation using Bash for Engineering Workflows • Version Control for Engineering and Research Projects using Git and GitHub • Design and Deployment of AI Agents using CrewAI in Linux Environments • Containerization and Application Deployment using Docker in Linux • Python Programming for Linux-Based Engineering Applications • Web Server Configuration and Virtual Hosting in Linux Environments • Implementation of SSL/TLS Security for Web Servers in Linux
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