

Karnataka Skill Development Corporation

Government of Karnataka

Kalike Jothege Kaushalya 2.0

EOI No: KSDC/KJK 2.0/CR-04/2024-25

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Course Name: Secure Networking

Training Duration: 50hrs

Target Audience	Course Differentiator	Software Taught	Curriculum Alignment	Job roles associated with the course
BSC/BCA – 6th sem	<p>a) Engage in Project-Based Learning that immerses you in hands-on activities, including installing and connecting to Linux systems, under the guidance of experienced instructors.</p> <p>b) Benefit from Intermediate-Level Linux Skills such as understanding system logging, boot processes, and day-to-day Linux operations, ensuring a robust foundation in system management.</p> <p>c) Explore Proficient Skills in Linux Storage Management to effectively configure, administer, and optimize storage resources, leveraging best practices endorsed by L&T MindTree.</p> <p>d) Acquire Comprehensive Expertise in Linux System Administration, covering advanced topics such as system configuration, user management, security measures, and performance optimization.</p> <p>e) Analyze RealWorld Case Studies integrated from L&T MindTree's industry expertise, providing practical insights into solving complex challenges in Linux environments.</p> <p>f) Access State-ofthe-Art Tools and Technologies recommended by L&T MindTree, ensuring you learn cutting-edge practices and methodologies in Linux administration.</p> <p>g) Develop Practical Skills through hands-on exercises and</p>	<p>a) CISCO Packet Racer</p> <p>b) NS2/NS3 Simulator</p> <p>c) Wire Shark</p>	<p>a) Recall the process to install Linux OS and utilize command line interface for executing commands and managing the system</p> <p>b) Understand the Linux boot process, system logging, and fundamental system administration principles</p> <p>c) Analyse storage configurations to optimize performance and prevent capacity issues</p> <p>d) Interpret system logs and diagnose issues to maintain system integrity</p> <p>e) Choose network configurations and logs to identify and resolve issues</p>	<p>a) Network Administrator</p> <p>b) Security Analyst</p> <p>c) Network Support Technician</p> <p>d) IT Support Engineer</p> <p>e) NOC Technician</p>

	simulations that replicate industry scenarios, enhancing your problem-solving abilities and readiness for professional roles. system administration e) Develop understanding of networking and troubleshooting techniques in context of Linux OS			
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