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FortuneCloud

We Understand Technology

DNE

DIPLOMA IN NETWORK ENGINEERING

Diploma In Network Engineering

Online & Offline Training Mode Available



ABOUT US

Fortune Cloud Technologies Group is operating in a Pune which is known as Oxford of East. We are an IT Training service provider conducting training programs for various software fields & offers certification for individuals and organizations as well. For this we have a team of fully qualified and experienced professionals.

Fortune Cloud is connected with 2000+ reputed IT Companies where we have placed our candidates. Hundreds of satisfied students are working in well - reputed MNC's like ATOS, Accenture, Capgemini, L&T Infotech, Siemens, TCS, Wipro and many mid - level companies like Allure, Goodwill Software, Techence, Logic Spice, Aikon Labs, Clinivantage, Mindnerves Technologies & many more

Fortune Cloud Technologies Group is an Education & Training vertical of Cravita Technologies India Private Limited



Subsidiary Company of



Cravita Technologies India Private Limited is an IT company providing IT Services like Software Development, Website Development, Mobile App Development, Cloud Services & IT Staffing.

For more details visit: www.cravitaindia.com

DNE (Diploma In Network Engineering)

The "DNE" course aims to equip individuals with the knowledge and skills needed to excel in the field of networking and telecommunications equipment. Including the ability to install, configure, operate, and troubleshoot medium-sized routed and switched networks and computer systems.

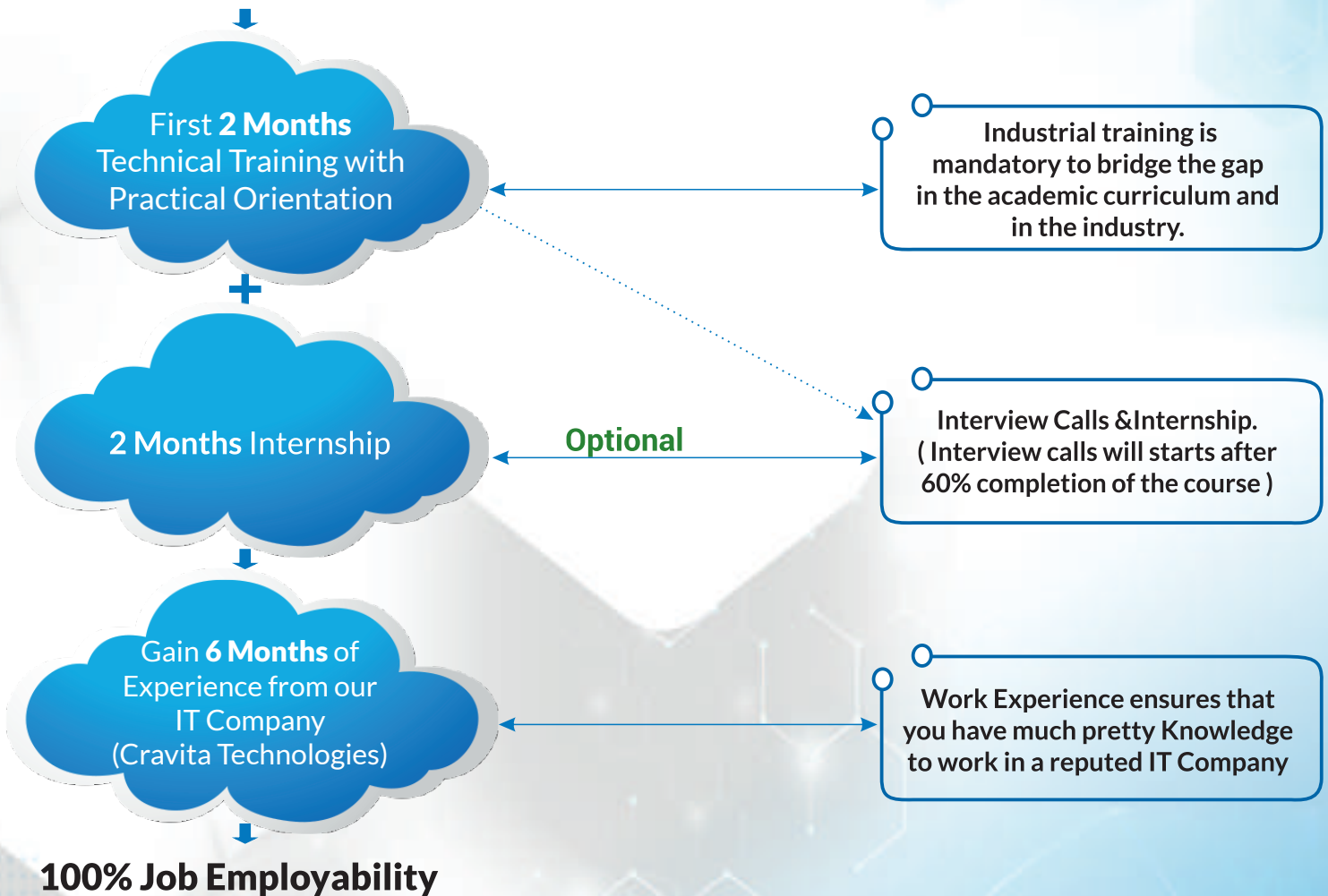


Our Process & Methodology:



PROGRAM FLOW

Your Journey starts here



UNIQUE FEATURES

- Microsoft Teams Live Recording
- Complete Practical Oriented Training

Module 1: Introduction to IT Fundamentals

- Overview of IT concepts and terminology
- Introduction to computer hardware components
- Understanding operating systems (Windows, macOS, Linux)
- Basic network fundamentals
- Overview of cybersecurity principles

Module 2: Computer Hardware Essentials

- Introduction to PC hardware components
- Motherboards, CPUs, and memory modules
- Storage devices (HDDs, SSDs, optical drives)
- Power supplies and cooling systems
- Troubleshooting hardware issues

Module 3: Operating System Fundamentals

- Installation and configuration of operating systems
- Managing files, folders, and permissions
- System utilities and tools (Task Manager, Disk Management, etc.)
- User account management and authentication
- Troubleshooting common OS problems

Module 4: Networking Concepts

- Basics of networking and network protocols
- TCP/IP fundamentals
- Configuring and troubleshooting wired and wireless networks
- Network devices (routers, switches, firewalls)
- Introduction to network security principles

Module 5: Mobile Devices and Hardware

- Overview of mobile device hardware components
- Operating systems for mobile devices (iOS, Android)
- Configuration and synchronization of mobile devices
- Mobile device security best practices
- Troubleshooting mobile device issues

Module 6: Hardware and Network Troubleshooting

- Troubleshooting hardware problems and failures
- Diagnosing and resolving common software issues
- Troubleshooting network connectivity problems
- Implementing preventive maintenance techniques
- Documenting and reporting troubleshooting procedures

Module 7: Security Best Practices

- Overview of cybersecurity threats and vulnerabilities
- Implementing security best practices for hardware and software
- Data encryption and protection techniques
- Securing wireless networks and mobile devices
- Incident response and disaster recovery planning

Module 8: Advanced Troubleshooting and Customer

- Advanced troubleshooting techniques for hardware and software
- Remote desktop support and remote access tools
- Effective communication and customer service skills
- Time management and prioritization techniques
- Professionalism and ethics in the IT industry

Module 8: Practice Exams and Certification

- Review of key concepts and exam objectives
- Practice exams and quizzes to assess knowledge
- Test-taking strategies and tips

- Hands-on labs and simulations to reinforce learning
- Preparation for the CompTIA A+ certification exam

CCNA syllabus

Module 1: Introduction to Networking and Network Fundamentals

- Introduction to computer networks
- OSI and TCP/IP models
- Networking devices (routers, switches, firewalls, etc.)
- Ethernet LANs and cabling
- IPv4 and IPv6 addressing

Module 2: Ethernet LANs and Switching

- VLANs and VLAN trunking
- Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP)
- EtherChannel and link aggregation
- Inter-VLAN routing and router on a stick configuration
- Troubleshooting LAN switching issues

Module 3: IP Routing and Routing Protocols

- Routing fundamentals
- Static routing configuration
- Dynamic routing protocols (RIPv2, EIGRP, OSPF)
- Routing protocol configuration and verification
- Troubleshooting routing issues

Module 4: Wide Area Networks (WAN) and WAN Technologies

- WAN fundamentals
- Point-to-Point Protocol (PPP) and High-Level Data Link Control (HDLC)
- Frame Relay configuration and troubleshooting
- Virtual Private Networks (VPNs)
- MPLS and Metro Ethernet

Module 5: Infrastructure Services

- DHCP (Dynamic Host Configuration Protocol)
- DNS (Domain Name System)
- NAT (Network Address Translation)
- HSRP (Hot Standby Router Protocol) and VRRP (Virtual Router Redundancy Protocol)
- SNMP (Simple Network Management Protocol)

Module 6: Network Security Fundamentals

- Overview of network security concepts
- Access control lists (ACLs)
- Firewalls and their configurations
- Secure remote access (SSH, HTTPS)
- Basic wireless security

Module 7: Automation and Programmability

- Introduction to network automation and programmability
- Configuration management tools (Ansible)
- Network monitoring and management tools (SNMP, Syslog)
- Introduction to SDN (Software Defined Networking)

Module 8: Review and Practice

- Practice exams and quizzes
- Hands-on lab exercises to reinforce learning
- Troubleshooting scenarios and case studies

Module 9: Final Exam and Certification

- Final comprehensive exam covering all topics
- Preparation for the CCNA certification exam
- Test-taking strategies and tips
- Review of exam objectives and resources

Computer Operating Systems and its Administration

Module 1: Introduction to Operating Systems

- Overview of operating system concepts
- History and evolution of operating systems
- Types of operating systems (Windows, Linux, macOS, etc.)
- Functions and components of operating systems

Module 2: Installing and Configuring Windows

- Preparing for Windows installation
- Installing Windows OS (Windows 10/11)
- Configuring basic system settings
- Understanding disk partitions and formatting
- Troubleshooting common installation issues

Module 3: Installing and Configuring Linux OS

- Introduction to Linux distributions (Ubuntu, CentOS, Fedora, etc.)
- Preparing for Linux installation
- Installing Linux OS (Ubuntu)
- Basic Linux system configuration
- Understanding disk partitions and formatting in Linux
- Basic Linux commands: ls, cd, pwd, mkdir, rm, cp, mv, cat, touch

Module 4: Linux Server Essentials and Windows Networking

- Introduction to Linux servers (Ubuntu Server, CentOS, etc.)
- Configuring basic server services (SSH, FTP, Samba)
- Managing user accounts and permissions on servers
- Introduction to server security measures
- Basic Linux server administration commands: sudo, useradd, groupadd, passwd, chmod, chown
- Configuring network adapters and settings in Windows
- Setting up wired and wireless network connections in Windows
- Troubleshooting network connectivity issues in Windows

Module 5: Storage Management and Booting

- Understanding storage devices (HDDs, SSDs, RAM)
- Managing storage devices in Linux
- Formatting and partitioning storage devices in Linux
- Introduction to boot process in Linux
- Managing boot loaders (GRUB) and boot options in Linux
- Basic Linux commands for disk and boot management: fdisk, parted, mkfs, mount, umount, grub-install

Module 6: Driver Installation, Device Management, and Windows Drivers

- Understanding device drivers
- Managing devices and drivers in Linux
- Installing and updating device drivers in Linux
- Troubleshooting driver-related issues in Linux
- Basic Linux commands for device management: lsusb, lspci, lsblk, dmesg
- Understanding device drivers in Windows
- Installing, updating, and rolling back device drivers in Windows
- Managing devices and drivers in Device Manager in Windows
- Troubleshooting driver-related issues in Windows

Module 7: File System Management and Windows System Performance

- Overview of file systems (ext4, XFS, Btrfs, etc.)
- Managing file systems in Linux
- File system permissions and access control in Linux
- Managing file attributes and ACLs in Linux
- Troubleshooting file system issues in Linux
- Basic Linux commands for file management: ls, cp, mv, rm, mkdir, rmdir, chmod, chown
- Monitoring system performance in Windows
- Identifying and resolving system slowdowns in Windows
- Managing startup programs and services in Windows
- Optimizing system performance settings in Windows
- Using Task Manager and Resource Monitor for performance
- monitoring in Windows

Module 8: System Troubleshooting and Recovery and Windows Software Management

- Introduction to system troubleshooting methodologies
- Identifying and resolving common system issues in Linux
- Using system diagnostic tools and utilities in Linux
- Troubleshooting boot problems and kernel panics in Linux
- System recovery and backup strategies in Linux
- Basic Linux commands for troubleshooting: ps, top, htop, free, df, du, grep, tail, head
- Installing and uninstalling software applications in Windows
- Using Windows Store for app installation in Windows
- Managing software updates and patches in Windows
- Troubleshooting software installation issues in Windows
- Using Programs and Features for software management in Windows

Module 9: Security and System Maintenance and Windows System Upgradation and Migration

- Overview of system security concepts in Linux
- Implementing security measures in Linux
- Managing user accounts and permissions in Linux
- Configuring Windows Firewall and antivirus software in Windows
- Performing system maintenance tasks (disk cleanup, defragmentation) in Windows
- Using Windows Security Center for security management in Windows
- Upgrading Windows OS to newer versions
- Migrating user data and settings to a new OS in Windows
- Backing up and restoring system files and configurations in Windows
- Using Windows Update for OS upgrades and patches in Windows
- Troubleshooting upgrade and migration issues in Windows

Module 10: Performance Monitoring and Optimization and Windows Internet Connectivity

- Monitoring system performance in Linux
- Identifying performance bottlenecks and issues in Linux
- Performance optimization techniques in Linux
- Tools for performance monitoring and optimization in Linux
- Basic Linux performance commands: top, vmstat, iostat, sar
- Troubleshooting internet connection problems in Windows
- Configuring Internet settings and browsers in Windows
- Troubleshooting common internet connection problems in Windows

Module 11: Advanced Linux and Windows Topics

- Introduction to shell scripting (Bash) in Linux
- Configuring Group Policy settings for system administration in Windows
- Introduction to Windows Server administration tools
- Managing Active Directory users and groups in Windows
- Case studies and examples of Linux and Windows system administration tasks

Database Administrator

Module 1: Introduction to Databases and SQL

- Overview of databases and database management systems (DBMS)
- Introduction to SQL and its importance in data management
- Understanding the relational database model
- Basics of SQL syntax and statements
- Setting up a development environment for SQL (MySQL, PostgreSQL, etc.)

Module 2: Retrieving Data with SELECT Statement

- Understanding the SELECT statement
- Retrieving data from single and multiple tables
- Filtering data using WHERE clause
- Sorting data using ORDER BY clause
- Limiting rows with LIMIT and OFFSET clauses

Module 3: Filtering and Sorting Data

- Advanced filtering with logical operators (AND, OR, NOT)
- Using comparison operators for filtering
- Sorting data with multiple columns
- Working with NULL values in SQL queries
- Practice exercises and hands-on labs

Module 4: Aggregate Functions and Grouping Data

- Introduction to aggregate functions (COUNT, SUM, AVG, MIN, MAX)
- Grouping data with GROUP BY clause
- Filtering grouped data with HAVING clause
- Performing calculations on grouped data
- Practice exercises and hands-on labs

Module 5: Working with Multiple Tables

- Understanding table joins (INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN)
- Using aliases for table and column names
- Joining more than two tables
- Performing self-joins
- Practice exercises and hands-on labs

Module 6: Subqueries and Set Operations

- Understanding subqueries and their types (scalar, column, row)
- Using subqueries in SELECT, WHERE, and FROM clauses
- Performing set operations (UNION, UNION ALL, INTERSECT, EXCEPT)
- Practice exercises and hands-on labs

Module 7: Modifying Data with INSERT, UPDATE, DELETE

- Understanding subqueries and their types (scalar, column, row)
- Using subqueries in SELECT, WHERE, and FROM clauses
- Performing set operations (UNION, UNION ALL, INTERSECT, EXCEPT)
- Practice exercises and hands-on labs

Module 8: Creating and Modifying Tables

- Creating tables with CREATE TABLE statement
- Modifying table structure with ALTER TABLE statement
- Dropping tables with DROP TABLE statement
- Adding, modifying, and dropping table columns
- Practice exercises and hands-on labs

Module 9: Constraints and Indexes

- Understanding constraints (PRIMARY KEY, FOREIGN KEY, UNIQUE, NOT NULL)
- Adding and dropping constraints
- Introduction to indexes and their types (B-tree, Hash, Bitmap)
- Creating and dropping indexes
- Practice exercises and hands-on labs

Module 10: Views, Stored Procedures, and Functions

- Creating and managing views
- Writing and executing stored procedures
- user-defined functions (UDFs)
- Creating and using stored functions
- Practice exercises and hands-on labs

Module 11: Transactions and Locking

- Introduction to database transactions
- Understanding ACID properties (Atomicity, Consistency, Isolation Durability)
- Implementing transactions with BEGIN, COMMIT, ROLLBACK statements
- Understanding locking mechanisms
- Practice exercises and hands-on labs

Job Profile after this course

Network Administrator

Network Engineer

Systems Administrator

IT Support Specialist

IT Technician

Network Security Analyst

Network Architect

IT Consultant

Wireless Communication
Engineer

Data Center Technician

DBA

Network Administrator

Database Administrator

Database Support

Certificate Format



Certificate

This is to certify

Your Name Here

has successfully completed

COURSE NAME

Reg.No :



Certificate No :

.....
Director

FortuneCloud Technologies Group

.....
Examiner

Top Reasons to Join Fortune Cloud's Training

Fortune Cloud - A subsidiary of Cravita Technologies India Private Limited which is one of the leading Information Technology Consulting, services and Outsourcing organization.

2000+ Clients

Job Enabling Training program - Training by IT Professionals. Over 5 years + Real - Time Experienced Faculty. There are 100% Placement opportunities after this training program.

Live Project Exposure - Real time Work Experience ensures that you have sufficient Professional Experience to get a Job in an IT Industry.

All our centers are equipped with modern teaching aids and state-of-the-art hardware, including PC projectors, overhead projectors, LCD panels, Smart Board, etc.

100% Placement Assurance

Fortune Cloud Technologies Group

Google Ratings 4.8 ★★★★★



Dhanraj Kadam



Fortune Cloud is good choice to build career in IT industry and staff is so supportive. Teaching staff is excellent. Doubt clearance also done by staff. Faculties are really good and cooperative. They focus on things like mock interviews, presentations, one to one interaction of faculties with all students to build confidence of students and give advices on exactly what they need to improve.



Rishabh Vishwakarma



This stars is for Ravindra Bagale sir and Fortune Cloud Staff. Ravi sir teach me AWS and DevOps. By this dedication and hardwork I am placed in a good company within 2 months.#Aws Jindabaad I highly recommend Fortune Cloud Technologies for aws and DevOps.



Shubham Thakur



I'm doing the course for AWS. My overall experience is excellent all credit goes the teaching staff. Within 2 months of course I got placed in a company all thanks to the teaching staff and fortune cloud technologies.



Aashutosh Wankhede



A good institute to enhance your skills regarding cloud computing and DevOps environment.



Rohan Wakchaure



Best Software Training Center This training center offers hundred percent job after completion of the course. All the teachers in this training center are highly educated and help the students from time to time and give proper guidance as well as organize various seminars for the students to get jobs which benefit the students in future. Thank you very much Fortune Cloud Center.



Pratiksha Pansare



I am joined Fortune Cloud Technologies for (java) full stack developer course and 4 month and My overall experience best. I got Job. We get more knowledge regarding new languages and experience the process of developing real time projects with lots of joy. The teaching staff is really good and helpful. They helped me in building strong resume and personal development also. Thank you so Much Fortune Cloud Technologies. Amazing Experience



Aakash Vibhandik



Fortune Cloud is a good choice to build a career and the staff is so supportive. The teaching staff is excellent. Overall I'm very happy with the experience.



Mangesh Sangale



Great place to learn new technologies. Staff is very cooperative and dedicated for each individual to understand the need of candidates and their aspirations. Must recommend this place for beginners who are striving to get into IT.

Check Latest Reviews on google via this link :

<https://g.page/fortunecloud/>

Our Office Premises



Our Office Functions



Our Development Center (Cravita Technologies)



Building



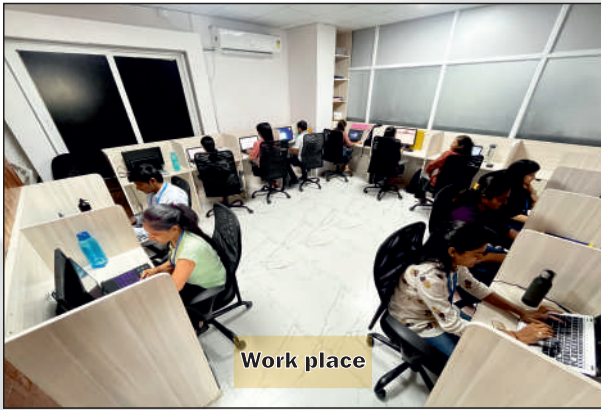
Name Plate



Reception



Cabin



Work place



Work place



Staff

Companies where Our Students are Placed



& 2000+ Clients

CONTACT US

FORTUNE CLOUD TECHNOLOGIES GROUP



For more details
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