



ITE Bhopal is started with the mission to build Technical Skilled workforce. As there is a large gap between theoretical knowledge provided in graduation and skilled technical professionals required by IT Industries. In 2013 we started ITE with the aim to bridge this gap. Technically designed courses are adding infinite value to career, 1100+ students in last six years are benefited by ITE.

ITE is the only institute in Central India having "RedHat Certified Instructor". We are first to launch International Certifications on Cloud Computing and leaders in providing training and certification on DevOps, RedHat Linux, Cloud Computing (IAAS & PAAS), AWS, OpenStack, Ansible, IT Security, Python, PHP/Mysql, Hadoop, Oracle, Hybrid Storage, Networking, Android.

Policy of Central Govt. in India is changed from Close Source software's to Open Source. ITE is positioning itself as migrating catalyst for Close Source windows to Open Source Linux.

ITE Bhopal is a Authorized Red Hat Training & Exam Center in Bhopal. Red Hat is World's no 1 company for providing Server Side Operating System. 95% of fortune 500 companies rely on Red Hat. Since 1999 Red Hat Certification is World's no.1 international

Since 1999 Red Hat Certification is World's no.1 international certifications. Placement percentage after Certification is more than 96%

Training Served:





PHQ, Bhopal

JOB OPPORTUNITIES AFTER CERTIFICATION

- ·System Administration & support
- ·AWS & Cloud solution provider
- ·Security Specialist
- ·Cyber Forensic Analyst
- ·Penetration Tester
- ·Storage Administrator





Linux Essentials

This Course is designed to step in the world of Open-source, it covers

Linux Overview / installation / Basic Commands Partitioning / Package Installation Virtual Machines / GUI

Redirection / Piping / Shell User / Network Administration / ACL SSH Server / FTP Server Basic Training Programme
30 Hours

Core certifications to enter into Open-source world

► RedHat Certified System Administrator

An Entry level Certification program for those who want to build their career in system administration on world's fastest emerging technology.

Linux Overview / Basic Commands Logical Volume Manager Installation & Configuration / Dual Boot / Virtual Virtual Network, Process User Administration / Permissions / ACL

System Performance & Tuning
Network Administration / Remote Administration
NFS / LDAP / Grub / Cron
Partitioning / Swap / Package Installation / Yum
System Troubleshooting

(RH134)
60Hour

RedHat Certified Engineer

RHCE is an industry Standard Certification course. which is in demand in IT world. RedHat Certified Engineer course covers all aspects of Server implementation and Server Security including RHCSA & Linux Essential Course. RHCE is most respected certification across the globe and holds the first position since 1999 in Global IT certifications.

Linux Essentials + RHCSA Samba Server with multiuser Firewalls / Security Enhanced Linux NTP Server/ DNS Unbound Apache Server / Ftp Server aggregation Link IP Version 6
Shell Environment / Shell Scripting
Mail Server / iSCSI Server - Client
Database - MariaDB
Containers & Dockers

RHCE (RH254)

100 Hours

Certificate of Specialist in Cloud and Storage

Certificate of Specialist in Virtualization Administration

Understanding Red Hat Enterprise Virtualization
Virtual Machine Installation (Windows & Linux)
Data Center / Cluster / Storage Domain
Pool / Template / Users
Usage Reports
Hypervisor / Manager / Cloud Environment interface
Managing virtual machine via Web
Ovirt Virtual Network

RHCVA (RH318)

25Hours

Specialist in Hybrid Storage Server Administration

Volume types / ACL's & Quotas Unified file and object storage IP Failover / Geo-replication Extending Volumes / Troubleshooting Nagios Tiering Management Encryption I/O Encyption RHSHSSA (RH236) 30 Hours

▶ Red Hat Certified System Administrator in Openstack

Openstack Platform Architecture Computer & Controller Services Identity Authentication Services Heat Orchestration Services NOVA Compute Telemetry
Interfaces
Under cloud & Over Cloud
Metering Service
Object Storage / Block Storage Service
Neutron Service / Practical implementation

Red Hat Certified System Administrator (CL110, CL210)

40 Hours

Specialist in Security & Trouble Shooting

Certificate of Specialist in Server Security & Hardning Applying more restrictive Security / User Security Red Hat Security Advisory reports Common Vulnerabilities & Exposure Configure secure logs & audit Firewall Advanced Identity Policy & Authentication PAM

& Hardening (RH413)

30 Hours

Diagnostics & Troubleshooting (RH342)

30 Hours

Clustering (RH436)
40 Hours

► Certificate of Specialist in Diagnostics & Troubleshooting

Collecting system information
Identify and resolve service failure
Diagnose and troubleshoot file system issues
Package management issues
Connectivity issues
Diagnose application issues

 Specialist in High Availability & Clustering High availability clusters
 Fencing and controlling resources
 GFS2 Cluster file system

Application Development 1: JAVA EE

Multi-tiered Java EE applications.
 Enterprise Java Beans
 Implementing Contexts and Dependency Injection.
 Securing Java EE applications with JAAS.

Application
Development I(JB183)
30 Hours



OPENBATCHES

Redhat open batches are delivered directly by GLS India in virtual training and Instructor led classroom training mode.

REDHAT OPENSHIFT ENTERPRISE ADMIN (Do280)
REDHAT OPENSTACK ADMINISTRATION (CL310)
AUTOMATION WITH ANSIBLE (Do407)
REHDAT SATELLITE 6 ADMINISTRATION (RH403)
REDHAT HIGH AVAILABILITY CLUSTURING (RH436)
REDHAT CEPH STORAGE ARCHITECTURE (CEPH125)



RHCA (Red Hat Certified Architect)

A Red Hat® Certified Architect (RHCA) is a Red Hat Certified Engineer (RHCE®) who attained RedHat highest level of certification by passing and keeping current five additional handson exams on Red Hat technologies from the respective lists below.

To attain RHCA status, an RHCE must earn atleast 5 of the following Red Hat certification.

- Expertise in Server Hardening (RI-1413)
- Virtualization Administrator (RH318)
- · System Administrator in Openstack (CL210)
- Expertise in Hybrid Cloud Storage(RH236)
- Programming in Java EE (JB183)
- Expertise in Red Hat Enterprise Linux Diagnostics and Troubleshooting (RH342)
- Expertise in Container Management (DO180)
- . High Availability Clustering (RH436)

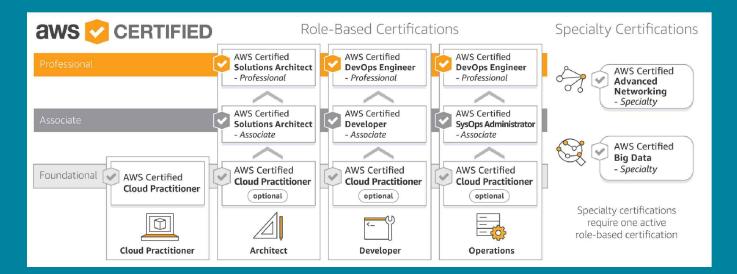


Cloud Computing with Amazon Web Services

Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage. content delivery and other functionality to help businesses scale and grow. Explore how millions of customers are currently leveraging AWS cloud products & solutions

AWS Certified Solutions Architect - Associate

AWS Certified Solutions Architect – Associate This exam tests your technical expertise in designing and deploying scalable. highly available, and fault-tolerant systems on AWS. This is for anyone with one or more years of hands-on experience designing distributed applications and systems on the AWS platform.



You can develop a robust networks & information systems against cyber attacks with ITE's "Certified Network & Security Associate" program. These programs offered industry specific coursework in classroom & online training mode, and gives you the skills to develop cyber security strategy & critical software install plans. There are four specialization: Network forensics & Intrusion investigation, Information security, Cyber-crime, Fraud investigation & Cyber daily operations.

CNSA
(CERTIFIED
NETWORK &
SECURITY
ASSOCIATE)

Network security involves policies & procedures determined by a network administrator who monitors & prevents unauthorized access to a computer network & network-accessible resources.



Modules

- RedHat Certified Engineer (Including Advanced topics)
- Cisco Certified Network Associate
- LA Certified Information Security Expert

Students persuing Engineering, BCA, MCA, B.Sc. IT, M.Sc., B.Com. Computers and who are planning to build their career in the field of System, Security and Network Administration

Infrastructure Hacking

- 1. Digital Footprint & Information Gathering
- 2. Network Scanning
- 3. Target Enumeration
- 4. Cryptography and Steganography
- Password Cracking Nikto]
- 6. OS Login Bypass
- 7. Malware Illustrated
- 8. Vulnerability Assessment Automation
- 9. Introduction to Metasploit
- 10. Hacking Database
- 11. Exploiting Windows OS by Metasploit
- 12. Exploiting Linux OS by Metasploit
- 13. Reverse Engineering
- 14. Network Sniffing
- 15. ARP & DNS Poisoning
- 16. Wireless Hacking [WEP + WPA 1/WPA 2]
- 17. DOS & DDOS Attacks
- 18. Social Engineering
- 19. Introduction to Bash Scripting
- 20. Report Generation.

Web Application Hacking

- Understanding Architecture of Web Application and Database
- Understanding HTTP Protocol & Issue with SSL/TLS
- Understanding HTTP Methods
- Understanding Content Security Policy and HTTP Headers
- Identifying the Attack Surface [Information Gathering – Nikto]
- Hacking Using Google
- OWASP TOP 10
- Introduction to Vulnerable Web Applications
- Vulnerability Scanning using Owasp ZAP
- SQL Injection
- Cross-Site Scripting
- Cross-Site Request Forgery
- XXE Attacks
- OS Code Injection
- Local/Remote File Inclusion
- Cryptographic Weakness
- Insecure File Uploads
- Introduction to WAF
- Evading WAF
- Report Generation



CCNA Certification

The CCNA (Cisco Certified Network Associate) certification Is the first in Cisco's line of certifications that an aspiring networking professional must acquire in order to add value to their IT career. The CCNA certification validates a firm foundation of networking skills that Include fundamentals like the OSI Reference Model, Networking Protocols, Layer3 Switching Concepts and Protocols, Routing Concepts and Protocols and Wide-Area Networking (WAN) Connectivity.



Cisco Training - CCNA Course Contents

- .Basic Networking
- ·Introduction to Wide Area Networks
- ·Internetwork Operating System (IoS)
- ·IP Routing (Static & Dynamic)
- ·LAN Switching
- ·IPv4 & IPv6
- ·STP, PVSTP & RSTP

- ·Virtual Private Network VPN
- ·Redundancy Protocols
- ·Network monitoring tools
- ·NAT & PAT
- ·Cisco Express Forwarding
- ·Network Device Security
- ·WAN Technologies
- ·Troubleshooting



What is Python?

Python is a general-purpose, high-level, remarkably powerful dynamic programming language that is used in a wide variety of application domain. Python was the first programming language to be supported by Google's App Engine.

python

Why Python?

- Easy To Read And Learn
- Free And Open Source
- Useful For Scientific Computing
- Powerful Interactive Interpreter
- Extensive Scientific Libraries
- Well Documented
- Numeric And Symbolic Computation
- 2d/3d Plotting
- User Interfaces
- Parallel Computing
- Machine Learning And Image Processing
- Game Development
- Web Development& Much More...

Course Content

- Core Python Introduction
- Conditional Statements
- Looping
- Control Statements
- String Manipulation
- Lists
- Tuple
- Dictionaries
- Functions, Lambda
- Modules & Packages
- File Handling
- Exception Handling
- OOPs concept
- Regular expressions
- Multithreading



"Python is fast enough for our site and allows us to produce maintainable features in record times, with a minimum of developers."

Cuong Do

Software Architect, YouTube.com



Java is an object-oriented language that enables learners to create real-world applications. Java technology based software works just about everywhere—from the smallest devices to super computers! Java technology components are not impacted by the kind of computer, phone, smart device or operating systems they are running on.

Database is a systematic collection of data. Databases support storage and manipulation of data. Databases make data management easy.



An online telephone directory would definitely use database to store data pertaining to people, phone numbers, other contact details, etc.

Your electricity service provider is obviously using a database to manage billing, client related issues, to handle fault data, etc.



(Prerequisite : C Language)

This Course will increase your demand in the professional software world and builds you job ready.



- HTML/HTML5
- CSS / Java Script
- PHP (Frontend) / Mysql (Database)
- Ajax / Jquery
- OOP's / Web template breaking
- Basics of Wordpress



Industrial Training



Industrial training mainly involves demonstration of the machines and methods used in the industry. Mostly its a simple training of 1 month duration. The processes you learnt in theory, you will realize that in practical they are totally different and this is the exposure you get from a industrial training.

Industrial training is very helpful for you in getting a job.

| Linux Essentials | 30 Hours |
|------------------------|-----------|
| Linux + Cloud | 60 Hours |
| Linux + Cloud + Python | 90 Hours |
| (Pre-requisites C/C++) | |
| Linux + Cloud + AWS | 90 Hours |
| Linux + Python | 60 Hours |
| Linux + Cloud + Docker | 90 Hours |
| Linux + Hadoop | 100 Hours |
| (Pre-requisites JAVA) | |
| Openstack (IAAS) | 30 Hours |
| Python | 30 Hours |
| Openshift | 30 Hours |
| PHP/MySQL | 30 Hours |
| Linux + IOT | 90 Hours |
| Oracle | 60 Hours |

Infrastructure



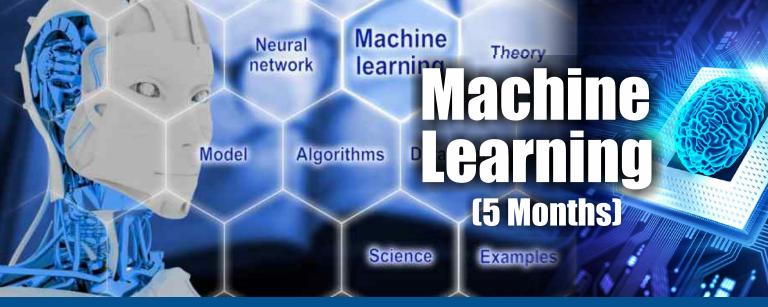












Machine learning is a subset of artificial intelligence in the field of computer science that often uses statistical techniques to give computers the ability to "learn" (i.e., progressively improve performance on a specific task) with data, without being explicitly programmed

Machine learning is closely related to computational statistics, which also focuses on prediction-making through the use of computers. It has strong ties to mathematical optimization, which delivers methods, theory and application domains to the field. Machine learning is sometimes conflated with data mining, where the latter subfield focuses more on exploratory data analysis and is known as unsupervised learning. Machine learning can also be unsupervised and be used to learn and establish baseline behavioural profiles for various entities and then used to find meaningful anomalies.

Machine learning is a subset of artificial intelligence in the field of computer science

- Python with Mysql connectivity
- Introduction of Machine Learning
- Machine Learning Techniques
- Supervised Learning
- Unsupervised Learning
- Supervised Learning
- Regression
- Classification
- Supervised Learning Regression
- Supervised Learning Classification
- Unsupervised Learning
- Clustering
- Deep Learning
- Classification Algorithms
- Tree-based
- Linear and other classifiers
- Data Compression and Visualization
- Anomaly Detection
- Implement some libraries and perform mathematical computation
- Matplotlib
- Keras
- Scipy
- Opency
- Numpy - google APITensorFlow

Institute for Technical Education

In Association with



Big Data Development (3 Months)

The Big Data Hadoop course has been designed to impart an in-depth knowledge of Big Data processing using Hadoop. The course is packed with real-life projects and case studies to be executed in the Cloud Lab This program covers Big Data Analytics process involved in storing, processing and managing Big Data - both structured and unstructured data, as well as the data analytics layer on top of Big Data systems, using both more traditional predictive models by connecting an analytics tool like R to Big Data Systems.

Content:

Linux overview and directory structure

- Installation of ubuntu
- Linux commands
- Java and python Installation
- Big Data Overview
- Hadoop Architecture & Components
- Hadoop Configuration
- Hadoop Processing Map Reduce & HDFS
- Python
- Map Reduce with python
- Pig
 - ·Pig's Data Model
 - ·Pig Functions
 - ·Input and Output formats to MR program
 - ·Case Study
- Overview of R, R data types and objects, reading and writing data
- Control structures, functions
- Loop functions, Simulation
- Database Connectivity
- Introduction to Scala
- Creating a Scala Project

- Classes, Objects and Methods
- Scala GUI and Connectivity
- Spark Overview
- RDD(Resilient Distributed Datasets)
- Fundamentals
- Cluster Architectures for Spark
- Spark Job Execution
- Introduction to MongoDB
- MongoDB API
- Indexing and Data Modeling
- Connection with Python
- Rest API
- Introduction to Cassandra
- Architecture of Cassandra and
- Configuration
- Cassandra Data Model
- CQL
- Connection with python
- Kafka
- Kafka Streaming

big data

JAVA Advance (2 Months)

Java Programming:

- Fundamentals of OOPs,
- Java Evolution, Java History
- Java Features
- Classes, Arrays, String and Collections, Interfaces,
- Multithreading, Applet Programming, Java AWT, Event Handling
- Java I/O Handling, Java Database Connectivity.
- Collection: Array List, Linked List, Vector
- Java Beans and Swing: Bean concepts, JAR file handling.
- Java Enterprise Applications
- JSTL: Core Tags, Xml tags, I18N Tags, Sql Tags
- Introduction of MVC Architecture
- Deploying n-tier application
- Introduction to struts Framework
- Software testing using Junit

Database Concepts:

- Introduction to MySQI, Cassandra
- Creating Database, Creating Tables, Relations.
- Connection pooling,Statement ,ResultSet

Ui Design and Template

- HTML5
- CSS,
- JavaScript, Introduction of Angular js

Android using Java:

- Basics of Android
- UI Widgets, Intent, Android Menu, Layout Manager
- SQLite
- Multimedia, Text & Animations
- Publishing App on Play Store



Web Development Using Full stack

(4 Months)

Web development is a broad term for the work involved in developing a web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing the simplest static single page of plain text to the most complex web-based internet applications (or just 'web apps') electronic businesses, and social network services. A more comprehensive list of tasks to which web development commonly refers, may include web engineering, web design, web content development, client liaison, client-side/server-side scripting, web server and network security configuration, and ecommerce development.

Markup and Styling

- HTML5
- CSS3
- Developer Tools
- Debugging Markup
- SASS preprocessing
- Twitter Bootstrap

JavaScript Programming Fundamentals stench

- Deploying JavaScript Applications

Authentication and Security

- Intro to Security and Authentication
- Basic and Digest Authentication
- Session-Based Authentication

Cookie-Based Authentication

- JSON Web Tokens
- Hacking Attack Vectors

Angular:

- ·TypeScript,
- ·Bootstrap Grid System,
- ·Dependency Injections,
- ·SPA (Single Page Application),
- ·Directives,
- ·Forms, Pipes,
- ·Promises,
- ·Observables,
- ·understand the testing of Angular class

NoSQL

- ·Serialization
- ·Modeling NoSQL data
- ·Contents subject to change Page 6 of 11
- ·Document Databases (MongoDB)
- ·NoSQL Best Practices

NodeJS

- Server-Side JavaScript
- NPM
- JavaScript Build Processes
- Event Loop and Emitters
- File System Interaction
- Modules

Python:

- ·Python Basic
- ·Oops
- ·Error Handling
- ·Web Gui with CGI

Express + APIs

- HTTP in Depth
- Calling APIs
- Reading API documentation
- Basic API Authentication
- OAuth 2.0
- API-Based Sign-In with SDKs
- API-Based Sign-In with Omniauth
- Uploading to Amazon S3
- ExpressJS
- Cookie and Session Persistence
- Deploying JavaScript Applications

Authentication and Security

- Intro to Security and Authentication
- Basic and Digest Authentication
- Session-Based Authentication
- Cookie-Based Authentication
- JSON Web Tokens
- Hacking Attack Vectors





The Internet of Things (IoT) is the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators and connectivity which enables these things to connect and exchange data, creating oppertunities for more direct integration of the physical world into computer-based systems, resulting in efficiency improvements, economic benefits and reduced human exertions.

Introduction to IoT

Defining IoT, Characteristics of IoT, Physical design of IoT,
Logical design of IoT,
Functional blocks of IoT,
Communication models & APIs

IoT & M2M

Machine to Machine, Difference between IoT and M2M,
Software
define Network

Network & Communication aspects

Wireless medium access issues, MAC protocol survey, Survey routing protocols, Sensor deployment & Node discovery, Data aggregation & dissemination

Challenges in IoT

Design challenges, Development challenges, Security challenges, Other challenges

Domain specific applications of IoT

Home automation, Industry applications, Surveillance applications,

Other IoT applications

Developing IoTs
Introduction to Python, Introduction to
different IoT tools,
Developing applications through IoT tools,
Developing sensor based Application through
embedded system platform, Implementing
IoT concepts with python



Check Point SecureAcademy is a comprehensive Cyber Security academic program for accredited institutions of higher learning. Colleges and institutions offer Check Point security solutions as an integrated part of their existing curriculum to increase students' knowledge in cyber security while helping students transition from classroom to career path.

Institute for Technical Education

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131/13, Zone-II, MP Nagar, Bhopal. Phone - 0755-4700646, 9111240646



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Authorised Partner & Exam Center







Placement 2017



Rohit Sharma Cloudsek



Pawan Shukla (Appointy)



Amani Karimi (Red hat)



Anshul Verma RedHat



Ashish Prajapati (Redhat)



Pulkit Walia VM Ware



Bhavya Jain MP BSE



Athary Deshpandey Bharat Ankulnerkar L&T



(Allahbad)



Gopal Mamtani (Congnizant)



Amitesh Raikwar (Adfunction)



Bikesh Dubey (Banglore)



Chetan Thakre L&T infotech



Deepa (Netlink)



Dharmendra Patel (Bhopal Hospital)



Ashutosh Mehta CMS



Hitendra Katara Galaxy Weblink



Kapil Gaur Dimensions Data



Megha Modi Prakshep



Mranali Goswami Adfunction



Palash Verma Cyber Ops



Parth Shukla (Calsoft)



Anand Kumar (Trymysolution)



Prakhar Kurele Osmos



Pranjal Choubey Hinduja



Afshan Husain Hinduja Global



Abhishek Saxsena Reliance



Shailendra Rana Fis



Shakti Chaturvedi



Prashant Kumar



Shanim Agarwal



Shankar Thakur Media.net



Sonu Lodha ITE



Sunny Dubey Reliance



Swapnil Soni Probox

Placements 2017



Diksha Jain ITSC



Arti Ojha Adonai S/W



Maya Sharma Osmo



Shailja Verma RSTPL



Monika Agarwal AM Infoedge



Sonam Gupta AM Infoedge



Pooja Raj AM Infoedge



Uzma Khan Usha Tech Solutions



Kato Tech

Sandhya Yadav Kato Tech









Vinit Rajak Megnum



Abhishek Sharma Seer Infosystem

Placement 2015

Student's employed after Redhat Certifications

ITE ensures quality and it is the one and only reason for 94 % placement for Certified Candidates



Placement 2016

Student's employed after Redhat Certifications



Team ITE

Mr. Hemraj Singh Chouhan

Red Hat Certified Architect / Instructor Expertise – RHCSA, RHCE, RHCVA, CL210, Storage, Cyber Security Expert Experience – 18 years

Mr. Bhalendra Singh Rathore

Red Hat Certified Architect Expertise - RHCSA, RHCE, RHCVA, CL210, Storage Experience – 8 years

Ms. Girjesh Chouhan

Expertise – Python, Hadoop & ML Experience – 10 years

Mr. Rajiv Sahu

Expertise - C / C++, Java, CRT Experience – 10 years

Mr. Pavan Shukla

Expertise - RHCA, Penetration Testing

Experience – 2 years

Mr. Rahul Chourasiya

Expertise – PHP, .NET, Database Experience – 12 years

Mr. Sonu Lodha

Expertise – RHCSA, RHCE, Hardware & Networking Experience – 2 years

Mr. Bhavendra Raghuvanshi

Expertise – Oracle, JAVA, C++ Experience – 10+ years



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