



**IT CAMPUS
GURU**

— Dream IT Achieve IT —

DUAL CERTIFICATION PROGRAM IN

DATA SCIENCE, AI AND ML
WITH MICROSOFT WINDOWS
ADMINISTRATOR



About Us:

IT Campus Guru is a premier IT training & placement institute in Nagpur, dedicated to empowering young career seekers with the knowledge and skills necessary to excel in today's competitive job market. We offer a range of comprehensive training programs, meticulously designed to provide insights into industry operations and job roles. Our curriculum is crafted to meet the challenges and requirements of modern recruiting sectors, ensuring that our students are well-prepared to face corporate challenges head-on. With a strong emphasis on practical skills and real-world applications, IT Campus Guru is committed to nurturing the next generation of IT professionals.

Mission:

Our mission is to provide high-quality, job-oriented IT training that bridges the gap between education and employment. We aim to create a dynamic learning environment that fosters innovation, critical thinking, and professional growth, ensuring our students are equipped with the skills and confidence needed to succeed in their careers.

Vision:

To be a leading institution in IT education, known for transforming aspiring individuals into skilled professionals who are ready to meet the evolving demands of the global job market.



Why Join IT Campus Guru?

01



100% Job Guarantee:

We offer a 100% job guarantee to our students, providing them with the assurance and confidence they need to pursue their career goals.

02



Comprehensive Curriculum:

Our courses are designed to cover all aspects of the IT industry, providing students with a deep understanding of various technologies and their applications.

03



Experienced Faculty:

Learn from industry experts with extensive experience and knowledge in their respective fields, ensuring you receive top-notch education and guidance.

04



Practical Training:

We emphasize hands-on training and real-world applications, allowing students to gain practical experience and develop problem-solving skills.

05



Industry-Relevant Skills:

Our programs are tailored to meet the current and future demands of the IT industry, preparing students for a successful career.

06



Career Support:

From resume building to interview preparation, we provide comprehensive career support to help our students secure their dream jobs.

07



Modern Infrastructure:

Our state-of-the-art facilities and resources provide an optimal learning environment for students to thrive.

08



Community and Networking:

Join a vibrant community of like-minded individuals and build valuable professional networks that will support your career growth.

Data Science Program Curriculum

(Exclusively for working professionals, it is recommended to gain real industrial exposure to fully engage in a data science program.)

MODULE-1

🕒 16 Hours

Data Science Essentials

- ▶ **Software Installation:** Practical exercise on setting up Anaconda and Jupyter.
- ▶ **Fundamentals of Excel:** Introduction to Excel for data analysis.
- ▶ **Master Data Cleaning Techniques:** Learn effective data cleaning in Excel.
- ▶ **Visualize Data with Excel Charts:** Basic data visualization techniques.

MODULE-3

🕒 24 Hours

Python Programming for Data Science

- ▶ **Python Fundamentals:** Basics, operators, control flow, loops, and functions.
- ▶ **Advanced Data Manipulation with Lambda:** Using lambda functions for data manipulation.
- ▶ **NumPy Fundamentals:** Working with arrays, indexing, slicing

MODULE-5

🕒 16 Hours

SQL and Data Storage

- ▶ **Introduction to SQL & Basic Querying:** SQL fundamentals for data retrieval.
- ▶ **Data Modeling Fundamentals:** Introduction to data modeling concepts.
- ▶ **Advanced SQL Operations and Joins:** Deepening SQL knowledge for complex queries.

MODULE-7

🕒 16 Hours

Advanced Machine Learning Technique

- ▶ **Logistic Regression and Classification Metrics:** Mastering classification models and metrics.
- ▶ **Decision Trees and Ensemble Learning:** Understanding tree-based models and methods to enhance model performance.
- ▶ **Clustering Techniques:** Introduction to K-Means and Hierarchical Clustering for unsupervised learning.
- ▶ **Support Vector Machines (SVM) and K-Nearest Neighbors (KNN):** Advanced machine learning models for classification.

MODULE-9

🕒 20 Hours

Time Series Analysis and Ensemble Learning

- ▶ **Deep Learning Architectures and Training:** Introduction to CNNs and RNNs and the basics of training deep models.
- ▶ **Natural Language Processing (NLP):** Essentials of NLP, text preprocessing, and model creation.

MODULE-2

🕒 16 Hours

Advanced Excel for Data Analysis

- ▶ **Efficient Subtotaling and Analysis:** Using Excel's functions for data analysis.
- ▶ **Pivot Tables for Data Summarization:** Summarizing data efficiently in Excel.
- ▶ **Data Analysis and Visualization:** Deepening Excel data analysis and visualization skills.
- ▶ **Data Linking for Comprehensive Reports:** Practical exercise on creating comprehensive reports with Excel.

MODULE-4

🕒 24 Hours

Data Manipulation & Visualization with Python

- ▶ **Data Manipulation with Pandas:** Mastering Pandas for data analysis.
- ▶ **Data Visualization:** Techniques to visualize data insights with Python.

MODULE-6

🕒 24 Hours

Introduction to Machine Learning

- ▶ **Introduction to Machine Learning and Regression Basics:** Understanding the basics of machine learning and regression analysis.
- ▶ **Data Preprocessing Essentials:** Techniques for preparing data for modeling.
- ▶ **Linear and Multiple Linear Regression:** Predictive modeling and evaluation metrics.

MODULE-8

🕒 24 Hours

Time Series Analysis and Ensemble Learning

- ▶ **Time Series Modeling with ARIMA and SARIMA:** Fundamentals of modeling time series data.
- ▶ **Practical Exercise:** Implementing ensemble algorithms like XGBoost and LightGBM for advanced model performance.

MODULE-10

🕒 12 Hours

Data Visualization and Reporting Tools

- ▶ **Power BI:** Introduction to Power BI for creating interactive reports.
- ▶ **Introduction to R:** Basics of the R language, working with data frames, and applying functions for data analysis.

Microsoft Windows Associate

MODULE-1

Computer Fundamentals & Basics of Power System in a Computer

- ▶ Computer Fundamentals History and Generations of Computer (Gen 1 to 5).
- ▶ Architecture of the Computer.
- ▶ Description of Different parts of a computer.
- ▶ Idea about System Software and Application Software. Operating system concept (Basic knowledge).

Practicals

- ▶ Identification of different Components of a computer and demonstration and uses of them.
- ▶ Different Tools/equipment used for assembling/disassembling a PC.t

MODULE-2

Introduction to SMPS

- ▶ SMPS Features, Functions
- ▶ Types of SMPS
- ▶ Power distribution in SMPS
- ▶ Connecting, Maintenance and Troubleshooting

Practicals

- ▶ A running SMPS demonstration
- ▶ Installation of a SMPS on a cabinet
- ▶ Isolated Power testing by sorting.

MODULE-3

Introduction to Basic Input Output System.

- ▶ Introduction to BIOS/CMOS Setup, POST (Power on Self-Test)
- ▶ Demonstration of BIOS/CMOS Configuration (Date, Time, Enable/Disable Devices).
- ▶ Dual BIOS Feature BIOS/CMOS Setup, Booting Sequence/Boot Order
- ▶ Demonstration of BIDS/CMOS setup, POST in a Computer step by step.
- ▶ Demonstration of different types of configurations and effect of changes in an existing BIOS feature for a system.
- ▶ Implementation of Dual Booting setup preferably in windows with Linux (Ubuntu).

Practicals

- ▶ Demonstration of BIOS/CMOS setup, POST in a Computer step by step.
- ▶ Demonstration of different types of configurations and effect of changes in an existing BIOS feature for a system.
- ▶ Implementation of Dual Booting setup preferably in windows with Linux (Ubuntu).

MODULE-4

Introduction to Operating System

- ▶ Definition and types of Operating Systems. Functions & Features of OS.
- ▶ MS-DOS (Prelims), Windows8.1, 10, 11, Red Hat 7/Fedora Linux Server, Ubuntu, MAC 05 etc.
- ▶ Process of Booting the Operating System.
- ▶ Installation of Windows8.1, 10, 11 Activation and Automatic Updating procedures.

Practicals

- ▶ Demonstration on Windows Using: Safe Mode, Safe Mode Boot options, Last Known Good Configuration, etc.
- ▶ Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, restore using Restore point, etc.
- ▶ Windows Recovery using System Factory Defaults/Recovery tools.
- ▶ Installation of driver for the system

MODULE-5

Computer Management

- ▶ Computer Management, Disk Management, Defragmentation.
- ▶ Services and Applications, Local Users and Groups
- ▶ Advanced System Settings, Device Manager, Task Manager.

Practicals

- ▶ Demonstration on Windows Using: Safe Mode, Safe Mode Boot options, Last Known Good Configuration, etc.
- ▶ Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, restore using Restore point, etc.
- ▶ Windows Recovery using System Factory Defaults/Recovery tools.
- ▶ Installation of driver for the system.

MODULE-6

Disk Partitioning

- ▶ Demonstration of Partitioning of Hard Drive/SSD-Primary, Extended, and Logical partitions using Partition Tools in Windows through Disk Manager.

Practicals

- ▶ Demonstration of Partitioning of Hard Drive/SSD-Primary, Extended, and Logical partitions using Partition Command (mikpart) in Linux.



MODULE-7

Details about Central Processing Unit & Main board

- ▶ Definition of CPU, Architecture, Speed, Types of CPU (ATX and AT technologies) 32/64 Bit.
- ▶ Types process or technologies like Clock speed, Bus speed, Cache memory. Threading technologies, Core technologies, IRQ & DMA Technologies.
- ▶ What is "I" Technology, Core series (i3, i5, i7).
- ▶ To explain about PGA and BGA and LGA Model processors, Pins/Sockets. Definition, Architecture, Compatibility with CPU's, Chipsets and Brands.
- ▶ What is Chipset, what is FSB, what is Bus, CPU Sockets, Interface Ports used to connect different Peripherals.
- ▶ I/O Ports (PS/2, Serial, Parallel, USB, VGA, HDMI, Audio, Ethernet, etc.)
- ▶ Identifying Expansion Slots (PCI, AGP etc.), Power Form Factor.

Practicals

- ▶ Demonstration on Windows Using: Safe Mode, Safe Mode Boot options, Last Known Good Configuration, etc.
- ▶ Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, restore using Restore point, etc.
- ▶ Windows Recovery using System Factory Defaults/Recovery tools
- ▶ Installation of driver for the system

MODULE-9

Computer Accessories

Keyboard & Mouse

- ▶ Types of Keyboards
- ▶ Keyboard Interfaces (DIN Type, PS/2, USB, wireless).
- ▶ Keyboard Problems and Troubleshooting.
- ▶ Types of Mouses (Ball Mouse, Optical Mouse, Trackball).
- ▶ Principles of Mouse (Ball Mouse & DSP, Sensor in Optical Mouse). Mouse Interfaces (Serial, PS/2, USB, wireless), Mouse Problems and Troubleshooting)

Monitor

- ▶ Types of Monitors (CRT/LCD/LED), Working Principles of each type
- ▶ Demonstration and Practical on Monitor Installation, Menu Configuration, Adjusting Monitor Settings, Monitor Power Supply types, Possible Problems and Troubleshooting.

Printer

- ▶ Types of Printers (Dot Matrix, Inkjet, Laser, Thermal, All-in-One Printers, etc.).
- ▶ Working Principles of each type, network Printer.
- ▶ Installing a Printer and Configuring Drivers.
- ▶ Installation of Scanner, Device Driver Installation.
- ▶ Scanner Settings, Scanning Documents, Photos in different Formats like JPG, PDF etc.

MODULE-8

Primary and Secondary Memory

- ▶ Introduction to RAM, ROM, Cache Memory, Buffer Memory, Virtual Memory. Speed, Timeline (EDO, NON-EDO, SD, RD, DDR, DDR2, DDR3, DDR4), Hybrid Memory.
- ▶ Comparing and Installing RAM, Memory Module Form Factor, etc.
- ▶ Introduction to HDD& SSD, Types, Functioning of HDD, Functioning of SSD, Dual Usage.
- ▶ Interface Types of HDD & SSD (IDE or PATA, SATA, SCSI, PCI-E, MSATA, M.2), Data storage technique.
- ▶ Tracks, Sectors, Cylinders, Cluster MBR, FAT Area, DIR Area, Zero Track.
- ▶ IDE Jumper settings (Primary/Secondary), (Master/Slave/Cable Select).
- ▶ Installing and Configuring a New HDD/SSD.

Practicals

- ▶ Demonstration on Windows Using: Safe Mode, Safe Mode Boot options, Last Known Good Configuration, etc.
- ▶ Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, restore using Restore point, etc.
- ▶ Windows Recovery using System Factory Defaults/Recovery tools
- ▶ Installation of driver for the system.

MODULE-10

Networking Fundamentals

- ▶ Types of networks such as (PAN, LAN, MAN, CAN, WAN).
- ▶ Basic concept of Transmission Types: Simplex, Half duplex and full duplex Mode.
- ▶ Basic concept of Internet, Intranet, extranet.



MODULE-11

Knowledge of Network Topologies, Networking Devices, Transmission Media, sharing of resources, Network Addressing system.

- ▶ Identify different topologies used in networking with their relative advantages and disadvantages.
- ▶ Understanding the knowledge about various types of networking devices and media with their usage.
- ▶ IP addressing, MAC addressing, Install and configure a network and configure IP address static and dynamic, DNS, default gateway.
- ▶ Design, calculate, and apply subnet masks and addresses to fulfil any organization's requirements.
- ▶ Working with installation of Network card, altering MAC address and revealing original MAC, Knowledge of making crossover and straight cable.
- ▶ Introduction to Linux Networking. Configuring IP Address on Linux Systems.
- ▶ Working Principles of each type of Networking protocols such as (DHCP, DNS, FTP, SSH, Telnet).

Practicals

- ▶ Crimping RJ45 Connectors, CAT V/ VI wired Color Matching for Type A and Type B Connection. Hand on practice for communication to windows networking.
- ▶ Data Sharing, Printer Sharing.
- ▶ Remote Desktop Connection using Windows RDC.
- ▶ Creating Shared Folders for each user, Assigning Access Rights and Changing Ownership for Shared Folders using File Server Wizard
- ▶ Internet Configuration using ADSL Router.
- ▶ Hands on practice to configure Router Admin password. Create and configure SSID for secured Wireless connection through a router.

MODULE-13

Introduction of Active Directory

- ▶ Introduction to AD
- ▶ Active Directory Components
- ▶ Logical structure of AD
- ▶ Physical structure of AD

Practicals

- ▶ Deploying DC
- ▶ Managing users & groups
- ▶ Managing OU

MODULE-15

Introduction of DHCP Server

- ▶ Introduction to DHCP
- ▶ DHCP Components and its working
- ▶ Managing and Troubleshooting DHCP

Practicals

- ▶ Deploying DHCP server
- ▶ Configuring and managing DHCP
- ▶ DHCP Failover

MODULE-12

Introduction to windows server 2019

- ▶ Introduction to OS and its types
- ▶ Difference between domain and workgroup mode
- ▶ Comparison of Desktop v/s server
- ▶ Min hardware Requirement, Editions, Types of Installation

Practicals

- ▶ Introduction to OS and its types
- ▶ Difference between domain and workgroup mode
- ▶ Comparison of Desktop v/s server
- ▶ Min hardware Requirement, Editions, Types of Installation

MODULE-14

Introduction of File Server

- ▶ Introduction to File Server
- ▶ Types of Permissions

Practicals

- ▶ Share permission

MODULE-16

Introduction of DNS Server

- ▶ Introduction to DNS
- ▶ DNS Hierarchy
- ▶ DNS terminologies

Practicals

- ▶ Implementing DNS server
- ▶ Configuring zones in DNS
- ▶ Configuring Name resolution between DNS zones

MODULE-17

Introduction of Group policy

- ▶ Group Policy scope and Group policy processing.
- ▶ Implementing administrative templates.

Practicals

- ▶ Configure folder redirection.
- ▶ Configure software installation and Folder redirection.
- ▶ Software installation and security policy.
- ▶ Configure software restriction policy.

MODULE-19

Operation master Role

Introduction to

- ▶ Types of FSMO

Practicals

- ▶ FSMO Configuring
- ▶ Transferring FSMO roles

MODULE-21

Windows server backup

- ▶ Configure windows backup and restore

MODULE-18

Hyper-V

- ▶ 18.1. Overview of Hyper-V
- ▶ Hyper-V Networking
- ▶ Managing Hyper-V

Practicals

- ▶ 18.1. Installing Hyper-V
- ▶ Configure storage on Hyper-V host
- ▶ Configure networking on Hyper-V host
- ▶ Managing Hyper-V machines

MODULE-20

Introduction of ADC, CDC, RODC

- ▶ Introduction to ADC
- ▶ Introduction to CDC
- ▶ Introduction to RODC
- ▶ Child relationship

Practicals

- ▶ Configure ADC
- ▶ Configuring CDC
- ▶ Configure RODC

MODULE-22

Virtual Private Network

- ▶ Introduction to VPN
- ▶ VPN protocols

Practicals

- ▶ Configuring VPN



Career Opportunities

Unlock a world of exciting career opportunities, with the Knowledge and skills gained from our and achieve your professional aspirations.

WINDOWS ADMIN CAREER PATH

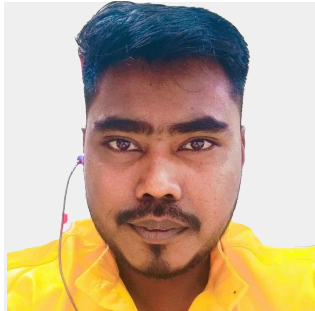


Rocket Your Career with IT Campus Placement

We are committed to bridging the gap between education and employment by providing comprehensive IT training and dedicated placement services. Our programs are designed to equip students with the skills demanded by today's job market, ensuring they are job-ready from day one. We partner with top companies to offer placement opportunities that align with our students' career aspirations, guiding them through every step of the job search process, from resume building to interview preparation. With a strong focus on results, IT Campus Guru ensures that our graduates step confidently into their IT careers.



Our Placements



Mangesh Golait
System Administrator



Isha
System Engineer



Ashutosh Binjave
Data Analyst



Saif Malik
System Engineer



Roshani
Desktop Engineer



Siddhart Gajbiye
AWS



Ameen Sheikh
System Engineer



Shraddha
System Engineer



Pavanraj Nikam
Window Admin



Aman
IT Associate



Avinash Bahekar
System Engineer



Aamir Rajput
System Engineer

Students Feedback



AMAN KUMAR

Course: Masters in System Engineering |
Company: MNC | Education: BBA | Passout year: 2020

Choosing IT Campus Guru has been one of the most rewarding decisions for my career. The institute's well-structured courses, expert mentorship, and practical, hands-on training have equipped me with the technical skills and confidence necessary to thrive in the IT industry. What sets IT Campus Guru apart is their 100% job placement guarantee, which isn't just a promise-it's a commitment they deliver on through outstanding support and guidance. If you're searching for an institute that genuinely prioritizes your growth and success, I can't recommend IT Campus Guru enough!



SAIF MALIK

Course: Masters in System Engineering | Company: MNC
Education: BBA | Passout year:2016

"IT Campus Guru is an excellent choice for anyone seeking to enter the IT field, especially those with academic gaps. The institute offers a supportive learning environment and a 100% job placement guarantee. While your dedication and hard work are essential, the management and ITCC teams will provide you with all the necessary resources and guidance to help you achieve your career goals."



AMEEN SHEIKH

Course: Masters in System Engineering | Company: MNC
Education: BCA | Passout year: 2012

Hi, I'm Ameen Sheikh, a 2012 BCA graduate currently pursuing my Master's in System Engineering. Joining IT Campus Guru has been one of the best decisions of my career. The institute's structured courses, expert mentorship, and hands-on training have provided me with the technical expertise and confidence needed to excel in the IT industry. The 100% job placement guarantee offered by IT Campus Guru is not just a promise but a commitment they fulfill with exceptional support and guidance. If you're looking for an institute that truly invests in your growth and success, I highly recommend IT Campus Guru!



SIDDHARTH GAJBIYE

Course: AWS (Working professionals batch)
Company: MNC | Education: BBA | Passout year: 2014

"IT Campus Guru provides a supportive learning environment and a 100% Job placement guarantee, making it an excellent choice for anyone seeking to enter the IT field, especially those with academic gaps. While your dedication and hard work are essential, the management and ITCC teams will provide you with all the necessary resources and guidance to help you achieve your career goals and instill confidence in your abilities."



GAURAV SHENDE

Course: Masters in System Engineering
Company: MNC | Education: BBA | Passout year:2017

"IT Campus Guru is an excellent choice for anyone seeking to enter the IT field, especially those with academic gaps. The institute offers a supportive learning environment and a 100% job placement guarantee. While your dedication and hard work are essential, the management and ITCC teams will provide you with all the necessary resources and guidance to help you achieve your career goals."



ROSHANI BABAR

Course: Masters in System Engineering
Company: MNC | Education: MBA
Passout year: 2016 (Started Career after Gap Of 8 years)

"I am incredibly grateful for the opportunity to learn at IT Campus Guru. The Master's program exceeded my expectations. The trainers were not only highly knowledgeable but also incredibly supportive, always willing to address my questions and provide valuable guidance. Their focus on practical learning, coupled with their mentorship, has equipped me with the skills and confidence to excel in my IT career. I highly recommend IT Campus Guru to anyone seeking to embark on a successful journey in the IT industry."

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751-751-2699



info@itcampusguru.com



www.itcampusguru.com



JP Chambers, 1st Floor, Infront of
KFC Abhyankar Nagar Road, Mate
Square Nagpur-440017

