



— Dream IT Achieve IT —

DUAL CERTIFICATION PROGRAM IN

DATA SCIENCE, AI & ML WITH MICROSOFT WINDOWS ADMINISTRATOR



EARN WHILE YOU LEARN

₹10,000 Fixed Monthly Stipend
From Day 1 of Training

No conditions. No waiting.
Start earning the moment training begins.

100% Job
Guarantee

₹10,000
Stipend from Day 1

Dual
Certification

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:

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 ?



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.

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.

Experienced Faculty:

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

Practical Training:

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

Industry-Relevant Skills:

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

Career Support:

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

Modern Infrastructure:

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

Community and Networking:

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



DATA SCIENCE, AI & ML – PROGRAM CURRICULUM



MODULE-1 16 Hours

Data Science Essentials

- Software Installation: Anaconda & Jupyter setup
- Excel Fundamentals: Introduction to Excel for data analysis
- Data Cleaning: Master effective data cleaning in Excel
- Visualize Data: Basic visualization with Excel Charts

MODULE-2 16 Hours

Advanced Excel for Data Analysis

- Subtotaling & Analysis: Using Excel's functions for data analysis
- Pivot Tables: Summarizing data efficiently in Excel
- Deep-Dive Visualization: Advanced data analysis & visualization skills
- Data Linking: Creating comprehensive reports with Excel

MODULE-3 24 Hours

Python Programming for Data Science

- Python Fundamentals: Basics, operators, control flow, loops, functions
- Lambda Functions: Advanced data manipulation with Lambda
- NumPy: Working with arrays, indexing, slicing

MODULE-4 24 Hours

Data Manipulation & Visualization with Python

- Pandas: Mastering Pandas for data analysis
- Data Visualization: Techniques to visualize data insights with Python

MODULE-5 16 Hours

SQL & Data Storage

- SQL Basics: SQL fundamentals for data retrieval
- Data Modeling: Introduction to data modeling concepts
- Advanced SQL: Joins, subqueries, complex operations

MODULE-6 24 Hours

Introduction to Machine Learning

- ML & Regression Basics: Understanding ML fundamentals and regression analysis
- Data Preprocessing: Techniques for preparing data for modeling
- Linear Regression: Predictive modeling and evaluation metrics

MODULE-7

16 Hours

Advanced Machine Learning

- Logistic Regression: Classification models and metrics
- Decision Trees: Ensemble learning & model performance
- Clustering: K-Means & Hierarchical Clustering
- SVM & KNN: Advanced classification models

MODULE-8

24 Hours

Time Series & Ensemble Learning

- ARIMA & SARIMA: Fundamentals of modeling time series data
- XGBoost & LightGBM: Ensemble algorithms for advanced model performance

MODULE-9

20 Hours

Deep Learning & NLP

- CNN & RNN: Deep learning architectures and training fundamentals
- NLP Essentials: Text preprocessing and model creation

MODULE-10

12 Hours

Data Visualization & Reporting Tools

- Power BI: Introduction to Power BI for interactive reports
- R Language: Basics, data frames, and functions for data analysis



AI TOOLS & PLUGINS FOR DATA SCIENTISTS

Data Science Essentials

ChatGPT

Python code generation, data cleaning scripts, feature engineering ideas, model explanations. Plugins: Code Interpreter, Data Analysis Plugin.

GitHub Copilot

AI plugin integrated with VS Code, PyCharm & Jupyter. Auto-completes Python code, generates ML scripts, suggests functions for data processing.

Amazon CodeWhisperer

Generates code for data pipelines, machine learning models, and AWS data services.

AutoML Platforms

DataRobot

Automatically builds models, performs feature engineering, and selects best algorithms.

H2O.ai

AutoML engine for automatic model training, deep learning models, and data prediction.

Obviously AI

Predictive models without coding, fast data analysis, and business forecasting.

NLP & Text Analytics Tools

Monkey Learn

Sentiment analysis, NLP classification, and text mining.

Hugging Face

Pretrained AI models, NLP pipelines, and model deployment.

Akkio

AI predictive analytics for sales forecasting, customer analytics, and ML predictions.

AI-Powered BI & Insights

Polymer AI

Transforms datasets into smart dashboards and AI-generated insights.

Jupyter AI

Generate code in notebooks, explain datasets, and suggest models directly inside Jupyter.

AI Plugins Used in IDE & Notebooks

VS Code Plugins

GitHub Copilot, Codeium — AI-assisted coding directly in your editor

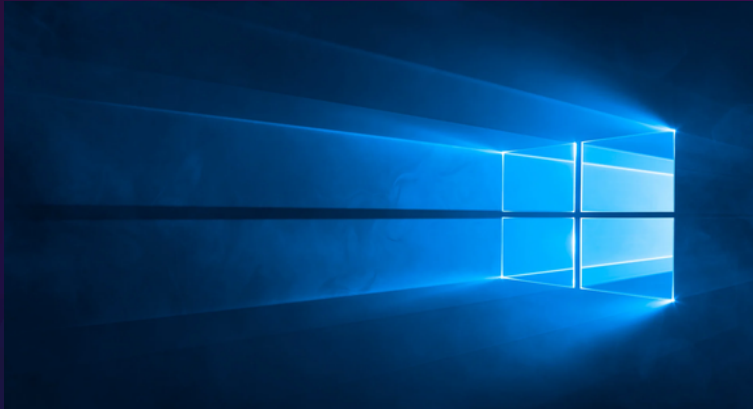
Jupyter AI

Generate code in notebooks, explain datasets, and suggest algorithms inline

ChatGPT Plugins

Code Interpreter / Data Analysis Plugin — analyze datasets and generate scripts through conversation

MICROSOFT WINDOWS ADMINISTRATOR CURRICULUM



MODULE-1

Computer Fundamentals & Power System

- History & Generations of Computers (Gen 1-5)
- Architecture of the Computer
- System Software vs Application Software
- Identification & assembling/disassembling a PC (Practical)

MODULE-2

Introduction to SMPS

- SMPS Features, Functions & Types
- Power distribution in SMPS
- Connecting, Maintenance & Troubleshooting
- Running SMPS demonstration (Practical)

MODULE-3

BIOS / CMOS & Dual Boot Setup

- BIOS/CMOS Setup & POST (Power on Self-Test)
- Date, Time, Enable/Disable Devices configuration
- Dual BIOS Feature, Booting Sequence/Boot Order
- Dual Booting: Windows + Linux Ubuntu (Practical)

MODULE-4

Introduction to Operating System

- OS types: MS-DOS, Win 8.1/10/11, Linux, macOS
- Process of Booting the Operating System
- Installation, Activation & Auto-Updating (Win 8.1/10/11)
- Safe Mode, System Restore, Recovery tools (Practical)

MODULE-5

Computer Management

- Disk Management & Defragmentation
- Services & Local Users & Groups
- Advanced System Settings, Device Manager, Task Manager
- Diagnostic Tools, Restore Points, Driver Installation (Practical)

MODULE-6

Disk Partitioning

- Primary, Extended & Logical partitions using Disk Manager
- Partition Command (diskpart) in Linux (Practical)

MODULE-7

CPU & Motherboard Details

- CPU architecture, types, clock/bus speed, cache memory
- Threading, Core technologies, IRQ & DMA
- Core series: i3, i5, i7; PGA, BGA, LGA sockets
- Chipset, FSB, I/O Ports (PS/2, USB, VGA, HDMI, Ethernet)

MODULE-8

Primary & Secondary Memory

- RAM: EDO, SD, DDR, DDR2, DDR3, DDR4, Hybrid Memory
- HDD & SSD: types, functioning, dual usage
- Interfaces: IDE/PATA, SATA, SCSI, PCI-E, MSATA, M.2
- Installing & Configuring a new HDD/SSD

MODULE-9

Computer Accessories

- Keyboard types, interfaces, troubleshooting
- Mouse types: Ball, Optical, Trackball; interfaces
- Monitor types: CRT/LCD/LED; configuration
- Printers: Dot Matrix, Inkjet, Laser, Thermal; Scanner setup

MODULE-10

Networking Fundamentals

- Network types: PAN, LAN, MAN, CAN, WAN
- Transmission types: Simplex, Half Duplex, Full Duplex
- Internet, Intranet & Extranet concepts

MODULE-11

Network Topologies, Devices & Addressing

- IP & MAC addressing, Static/Dynamic, DNS, Default Gateway
- Subnet masks: design, calculate & apply
- DHCP, DNS, FTP, SSH, Telnet protocols
- RJ45 crimping, data/printer sharing, Remote Desktop (Practical)

MODULE-12

Introduction to Windows Server 2019

- OS types, domain vs workgroup mode
- Desktop vs Server comparison
- Hardware requirements, editions, types of installation
- Hands-on installation & configuration (Practical)

MODULE-13

Active Directory (AD)

- AD components, logical & physical structure
- Deploying Domain Controller (DC)
- Managing Users, Groups & Organisational Units (OU)

MODULE-14

File Server

- Introduction to File Server
- Types of Permissions
- Share permissions (Practical)



MODULE-15

DHCP Server

- DHCP components & working
- Managing & Troubleshooting DHCP
- Deploying, configuring & DHCP Failover (Practical)

MODULE-16

DNS Server

- DNS Hierarchy & terminologies
- Implementing & configuring DNS zones
- Name resolution between DNS zones (Practical)

MODULE-17

Group Policy

- Group Policy scope & processing
- Implementing administrative templates
- Folder redirection, software installation, security policy (Practical)

MODULE-18

Hyper-V

- Overview of Hyper-V & Hyper-V Networking
- Installing Hyper-V, configuring storage & networking
- Managing Hyper-V machines (Practical)

MODULE-19

Operation Master Roles (FSMO)

- Types of FSMO roles
- FSMO configuration & transferring roles (Practical)

MODULE-20

ADC, CDC & RODC

- Introduction to ADC, CDC & RODC
- Child domain relationships
- Configure ADC, CDC & RODC (Practical)

MODULE-21

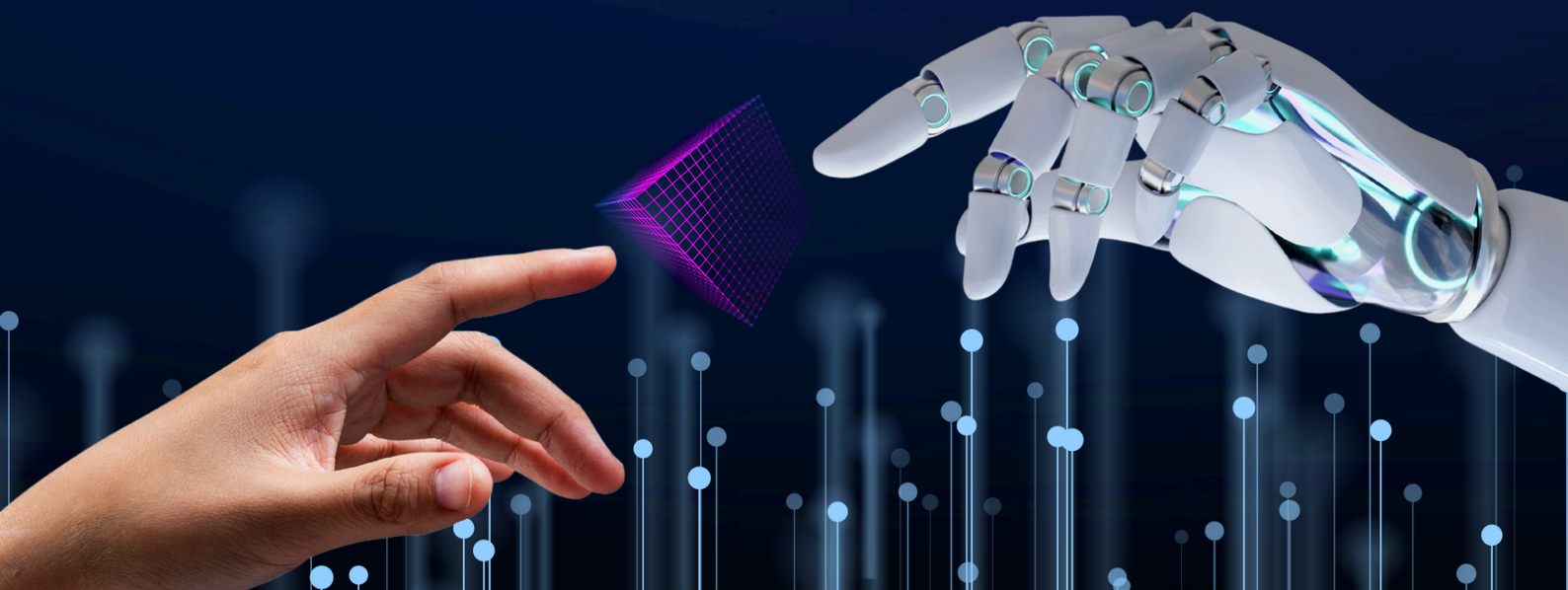
Windows Server Backup

- Configure Windows Backup & Restore

MODULE-22

Virtual Private Network (VPN)

- Introduction to VPN & VPN protocols
- Configuring VPN (Practical)



CREATE CAREER PATH FOR DATA SCIENTIST

Here's a high-converting career path structure for Data Analytics / Data Science

CAREER OPPORTUNITIES – DATA ANALYTICS / DATA SCIENCE PATH

Unlock high-paying careers with in-demand Data skills and real-world project experience.

Entry Level
(0-1 Year)
2.5 – 5 LPA

- Data Analyst Intern
- Junior Data Analyst
- MIS Executive
- Reporting Analyst

Skills:

Excel, SQL, Basic Python, Data Cleaning, Power BI / Tableau

Mid Level
(1-3 Years)
5 – 10 LPA

- Data Analyst
- Business Analyst
- BI Developer
- Data Visualization Specialist

Skills:

Advanced SQL, Python (Pandas, NumPy), Dashboarding, Statistics, EDA

Advanced Level
(3-6 Years)
10 – 18 LPA

- Senior Data Analyst
- Data Scientist
- Machine Learning Engineer
- Product Analyst

Skills:

Machine Learning, Feature Engineering, Model Building, APIs, Cloud (AWS / Azure)

Expert Level
(6+ Years)
18 – 35+ LPA

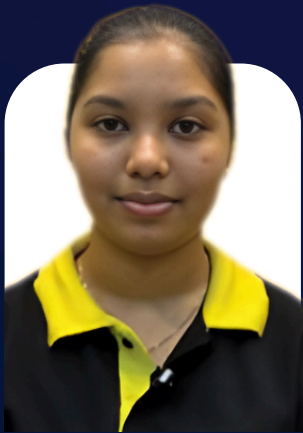
- Lead Data Scientist
- AI Engineer
- Data Architect
- Analytics Manager

Skills:

Deep Learning, Big Data (Spark), MLOps, NLP, Leadership & Strategy

OUR PLACEMENTS

Real students, real results. Our graduates are placed across top MNCs and tech companies nationwide.



PLACEMENT PARTNERS

We partner with leading global companies to provide our students with the best career opportunities.



STUDENT TESTIMONIALS

Ritesh Deshmukh

BCA (2025 Passout)

I chose IT Campus Guru because of its proven credibility—and they truly delivered on their promise. Whether you're a fresher or someone with a long career gap, the placement support here is genuinely top-notch. This is a place that creates real results, not just promises.



Shreyash Suryavanshi

BE-CS (2025 Passout)

A fresher & recent graduate successfully placed in a reputed MNC. Big thanks to the excellent training and dedicated placement support with hands-on expertise in CyberSecurity, Cloud (AWS) & DevOps.



Badal Meshram

M.Com (2022 Passout)

Coming from a non-technical background with a 4-year career gap, restarting my career felt impossible. IT Campus Guru changed everything. From basics to industry-ready skills, the training was structured and practical. What impressed me most was their constant support and genuine placements. They truly delivered what they promised. Grateful to the entire ITCG team for believing in me and helping me restart my professional journey with confidence.



Pratik Chavhan

PB.E Mechanical (2025)

Honestly, coming from a non-IT background, I had zero clarity about IT careers. But IT Campus Guru's Masters Program completely changed my journey!

From Foundations → Linux → Windows Admin → DevOps → Cloud → CyberSecurity, everything was taught step-by-step with real-time practice. Best part? No fake promises

- only real skills + real placement support Today, I feel confident, job-ready, and future-proof in IT!



Aniket Ghutake

B.E Mechanical (2022)

Non-IT background + 4 years career gap. honestly, IT mein start karna impossible lag raha tha. But then I joined IT Campus Guru's Foundations Batch - Zero to Hero Fast Track

Everything was taught from absolute scratch - no confusion, no overload. Step-by-step clarity with practical learning Today, I have strong fundamentals and confidence to grow in IT!

If you think gap or non-IT background is a problem - this program proves you wrong



Prathmesh Sayam

B.E Mechanical (2022)

After completing my engineering, I was confused about my IT career path. But IT Campus Guru's Masters Program gave me complete clarity - from fundamentals to advanced technologies.

What truly stands out is their supportive staff & mentorship Every doubt, every step - they guide you until you're confident and job-ready.

It's not just training, it's a complete transformation!
Proud to be part of one of the best IT training brands



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