

Department of Computer Science & Engineering

ACADEMIES FOR JOB ORIENTED COURSES



CISCO NETWORKING ACADEMY (<https://www.netacad.com>)

Certification courses offered :

Networking

1. Networking Essentials
2. CCNA: Introduction to Networking (ITN)

Operating Systems & Information Technology

1. IT Essentials
2. Linux Essentials

Programming

1. Programming Essentials in Python
2. JavaScript Essentials
3. Programming Essentials in C
4. Advanced Programming in C
5. Programming Essentials in C++

Programmable Infrastructure

1. Introduction to Internet of Things (IoT)
2. IoT Fundamentals: Connecting Things
3. IoT Fundamentals: Big Data & Analytics
4. DevNet Associate

Cybersecurity

1. Introduction to Cybersecurity
2. Cybersecurity Essentials
3. CyberOps Associate
4. Cloud Security
5. Network Security
6. IoT Security

Cisco Lab Environments :

- Simulation with PacketTracer
- Virtualized Equipment
- Virtual Machines
- Prototyping Lab
- Remote Equipment
- Physical Hardware

Employment Opportunities :

Talent Bridge Matching Engine

Search for jobs with Cisco as well as Cisco partners and distributors seeking Cisco Networking Academy students and alumni worldwide.



AWS (Amazon Web Services) Academy (https://www.awsacademy.com/LMS_Login)

Certification courses offered :

1. AWS Academy Cloud Foundations
2. AWS Academy Data Center
3. AWS Academy Learner Lab - Foundation Services
4. AWS Academy Machine Learning Foundations
5. AWS Academy Engineering Operations
6. AWS Academy Introduction to Cloud: Semester 1
7. AWS Academy Introduction to Cloud: Semester 2

AWS Cloud credits given to students : \$100 for 1 year



ORACLE ACADEMY <https://academy.oracle.com>

Certification courses offered :

1. Java Fundamentals
2. Java Foundations
3. Java Programming
4. Artificial Intelligence with Machine Learning in Java
5. Database Foundations
6. Database Design and Programming with SQL
7. Programming with PL/SQL
8. Oracle Application Express (APEX) Development Foundations
9. Oracle Cloud Infrastructure Foundations I
10. Oracle Cloud Infrastructure Foundations II
11. Oracle Primavera P6 Professional Project Management Fundamentals.

Oracle Cloud credits given to students : \$300 for 1 year



IBM Open P-Tech (https://www.awsacademy.com/LMS_Login)

Certification courses offered :

- | | |
|---------------------------|---------------------|
| • Artificial intelligence | • Cloud computing |
| • Blockchain | • Cybersecurity |
| • Data Science | • Quantum Computing |
| • Agile | • Design Thinking |
| • Emerging Technologies | • Sustainability |
| • Internet of Things | |



Spoken Tutorial by IIT Bombay (<https://spoken-tutorial.org>)

- Git
- R programming
- PHP & MySQL
- Scilab



Microsoft Imagine Academy

- Microsoft Azure Fundamentals
- Developing ASP.NET MVC Web Applications
- Microsoft Cybersecurity Architect
- DevOps Engineer Expert
- Microsoft Azure AI Fundamentals
- Microsoft 365 Fundamentals

Gyan Ganga Institute of Technology and Sciences, Jabalpur

Department of Computer Science & Engineering

(Trainings, Certifications and Internships)

S. No.	I Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Basic Engineering Subjects	Cisco - Programming essentials in C, IT Essentials	Hands-on Training in C	
S. No.	II Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Basic Computer Engineering	Cisco - Programming essentials in C++, Networking Essentials	Hands-on Training in C++	Web Development
S. No.	III Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Computer Workshop in Java	Oracle - Java Programming	Hands-on Training in Java	
2	Data Structures	NPTEL - IIT Delhi	Hands-on Training in Competitive programming	
3	Object Oriented Programming & Methodology	NPTEL - IIT Kharagpur		
S. No.	IV Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Software Engineering	Cisco : DevNet Associate	Hands-on Training in Agile	AWS- Devops
2	Operating Systems	NPTEL - IIT Kharagpur	Cybersecurity Essentials	
S. No.	V Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Database Management Systems	Oracle - SQL	Hands-on Training in Database design & programming	Oracle Cloud Infrastructure Foundations
2	Python	Cisco - Programming essentials in Python	Hands-on Training in Python programming	Campus Recruitment Training
3	Linux	Cisco - Programming essentials in Linux	Hands-on Training in Linux	
S. No.	VI Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Machine Learning	AWS - Machine Learning	Hands-on Training in Machine Learning	AWS Cloud Foundations
2	Computer Networks	Cisco - CCNA	Hands-on Training in Computer Networks Design & Implementation	Campus Recruitment Training
3	Skill Development	Cisco - Cyber security Operations	Hands-on Training in Cyber security	
4	Data Analytics	Microsoft - Power BI	Hands-on Training in Power BI	
S. No.	VII Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Deep & Reinforcement Learning	AWS Certified Cloud Practitioner	Training on Cloud Deployment	Oracle - Primavera (project management)
2	Agile Software Development		Capstone projects on Agile Software Development	
S. No.	VIII Sem	Internships / Certifications	Trainings	Sem-Break Training
1	Internet of Things	Cisco - Internet of Things	Capstone projects on Internet of Things	Image processing & Computer vision
2	Cloud Computing	AWS -Cloud Computing	Capstone projects on Cloud Computing	
3	Block Chain Technologies	IBM - Blockchain Technologies	Capstone projects on Blockchain	