

AWS & DevOps

With 



3000+

Placed Students



650+

Job Recruiters



50+

Expert Trainers



470+

Projects Works



100%

Placement Support

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Newly Updated 2026-27

Behind Every Great Institute is a Great Founder



Mr. Kunal Sir

Director of CJC EdTech by Kunal Sir

Mr. Kunal Sonu, Director of **CJC EdTech by Kunal Sir**, holds a Master's degree in Computer Applications & has over **15+ years** of experience in Java/J2EE technologies. After resigning from Syntel, he pursued a career in teaching to provide in-depth knowledge and guidance to aspiring professionals. **Mr. Kunal** has delivered lectures at renowned institutions such as **Sinhgad Institutes, JSPM Group, & MMCOE, Pune**. With a passion for education, he is dedicated to helping **students achieve success in their careers**.

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3000+

Placed Students



15+

Course Options



650+

Job Recruiters



50+

Expert Trainers

Cloud Computing

- Introduction of Cloud Computing
- Need of Cloud Computing
- Advantages of Cloud Computing

Types of Cloud

- Public Cloud
- Private Cloud
- Hybrid Cloud

Cloud Computing Service Models

- IaaS (Infrastructure as a Service)
- PaaS (Platform as a Service)
- SaaS (Software as a Service)



Operating System - Linux

- Introduction to Operating System
- Architecture and File System of Linux
- General Purpose Commands
- Networking
- Networking Protocols
- Package Managers – Installing Software on Linux
- SSH – Secure Shell
- Shell Scripting
- The OSI Model – The 7 Layers



Amazon Web Services (AWS) Components

- AMI
- Amazon Elastic Compute Cloud (EC2)
- Snapshot
- Amazon Simple Storage Service (S3)
- Glacier
- Elastic Block Storage (EBS)
- Elastic Load Balancing (ELB)
- Auto Scaling
- Amazon Relational Database Service (RDS)
- Amazon DynamoDB
- Identity and Access Management (IAM)
- Virtual Private Cloud (VPC)
- CloudFormation
- Simple Email Service (SES)
- Simple Queue Service (SQS)
- Simple Notification Service (SNS)
- Learn Elastic OpsWorks and CLI
- CloudTrail
- Elastic Beanstalk
- Lambda
- API Gateway
- Elastic File System (EFS)
- CloudFront
- Route 53
- Key Management Service (KMS)



AWS Object Storage



- What is Amazon S3
- AWS Simple Storage Service – S3
- Creating an AWS S3 Bucket
- AWS Storage Gateway
- What is Command Line Interface (CLI)
- Understanding Amazon Glacier Storage for Long-Term Data Backup and Archiving



Database Services



- Relational Databases Amazon RDS
- What is Amazon DynamoDB – No SQL Data base

Auto Scaling



- Introduction to Auto Scaling
- Auto Scaling Components
- Creating Launch Templates and Auto Scaling Groups
- Attaching & Detaching EC2 Instances in ASG
- Configuring Auto Scaling Policies Based on the Load on EC2 Instances
- Using Auto Scaling with Elastic Load Balancer (ELB)
- Removing Instances Temporarily
- Shutting Down – Auto Scaling Process
- Monitoring Auto Scaling Instances
- Health Checks
- Getting Notifications When ASG Changes (Integrate with SNS)

ELB – Elastic Load Balancing



- What is ELB
- How to Create Load Balancer
- What is Internal & External Load Balancers
- Load Balancing Protocols
- What is Listener Configurations
- What is SSL Negotiation Configurations
- How to Attach & Detach Subnets
- Creating Security Groups for the Load Balancer
- Configuring Health Check for the Load Balancer
- Adding Multiple Instances to the Load Balancer
- Perform Monitoring and Logging



VPC – Virtual Private Cloud



- Setting Up Different Types of Networks in AWS
- How to Create a Custom VPC
- What are NACLs & Security Groups?
- How to Create an Internet Gateway (IGW)
- How to Connect to Instances in the Gateway
- What are Subnets, Route Tables & Associations?
- NAT Instances & NAT Gateways
- VPC Peering
- DHCP Option Sets & DNS
- Overview of VPN & Its Components



Application Services

aws

- Study About AWS Application Services
- Learn Elastic Beanstalk
- Learn Simple Email Service (SES)
- Learn Simple Notification Service (SNS)
- Learn Elastic OpsWorks and CLI



Identity And Access Management (IAM)

aws

- What is IAM?
- IAM Roles & IAM Groups
- How to Create User Accounts
- How to Set Up Multi-Factor Authentication (MFA)
- What is Monitoring?



Monitoring

- CloudWatch
- Cloud Trail
- Grafana
- prometheus

aws

AWS DevOps



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|--------------------|-----------------|----------------------------|
| ➤ Why DevOps? | ➤ Deployment | ➤ Responsibilities |
| ➤ What is DevOps? | ➤ Observability | ➤ of a DevOps Engineer |
| ➤ DevOps Lifecycle | ➤ Security | ➤ SDLC Models |
| ➤ Development | ➤ Operation | ➤ Waterfall Model |
| ➤ Testing | ➤ DevOps Tools | ➤ Agile Methodology |
| ➤ Integration | ➤ DevOps Trends | ➤ DevOps: The Real Stories |

Git (Version Control)



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|--|--|
| ➤ Version Control System (Git) | ➤ push |
| ➤ Introduction to Version Control System | ➤ pull |
| ➤ Git working principles | ➤ merge |
| ➤ Git commands | ➤ fetch |
| ➤ init | ➤ branch |
| ➤ clone | ➤ Difference between local and remote repositories |
| ➤ add | ➤ Merging strategy |
| ➤ checkout | ➤ Branching strategy |
| ➤ commit | |

JENKINS

- What is Jenkins?
- Building a Continuous Delivery Pipeline Using Jenkins
- Setting Up a Continuous Delivery Pipeline Using Jenkins
- Understanding CI/CD Pipelines
- Creating an End-to-End Automated CI/CD Pipeline
- CI/CD Scheduler



◀ ANSIBLE

- ◀ What is Ansible?
- ◀ Ansible Architecture
- ◀ Setting Up Ansible Server
- ◀ Ansible Playbook
- ◀ Ansible Role
- ◀ Applying Configuration Using Ansible



◀ TERRAFORM

- ◀ What is Infrastructure as a Code
- ◀ IaC Vs Configuration Management
- ◀ Introduction to Terraform
- ◀ Installing Terraform
- ◀ Basic Operation in Terraform
Init | Plan | Apply | Destroy
- ◀ Terraform Code Basics
- ◀ Deploying Compute Infrastructure on AWS Using Terraform
- ◀ Terraform – Variables
- ◀ Terraform – Providers
- ◀ Terraform – Provisioners
- ◀ Terraform – State



◀ PUPPET & CHEF

- ◀ Puppet Configuration Management
- ◀ What is Puppet?
- ◀ Puppet Architecture
- ◀ Setting Up Master-Slave with Puppet
- ◀ Puppet Manifests
- ◀ Puppet Modules
- ◀ Puppet Commands
- ◀ Applying Configuration Using Puppet
- ◀ Understanding Puppet File Server



◀ SONAR CLOUD

- ◀ What is Static Code Analysis?
- ◀ SonarQube Components
- ◀ SonarQube Setup & Configuration
- ◀ Projects
- ◀ CI Introduction & Configuration
- ◀ Rules
- ◀ SonarQube UI Analysis



Defect tracking tools

- ◀ Jira



◀ DOCKER

- ◀ Introduction to Docker
- ◀ Build a Dockerized Web Application
- ◀ Creating Different Environments Using Docker
Dev | SIT | UAT | Prod
- ◀ Logging & Alert Techniques



◀ KUBERNETES

- ◀ Introduction to Kubernetes
- ◀ Kubernetes Application Architecture
- ◀ Kubernetes Networking
- ◀ Storage in Kubernetes
- ◀ Kubernetes Deployment, Scaling
- ◀ Security in Kubernetes



From Hello World to Full Applications, My Coding Growth



Why **Coding** Feels Impossible?
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