

## QUOTATION

Sir/Madam,

Sub: Quotation for **Center for Futuristic Learning – DevOps** Training Program

Greetings from SIX PHRASE – Edutech Private Limited

In line with the discussion we had with you we have here with detailed the program details along with the cost for conducting the **Center for Futuristic Learning – DevOps** Training Program. Please find below the program details.

Program Duration:	I to IV Year Integrated Mode - 72 Hours per Semester (1 to 8 Semesters) III Year Bootcamp Mode – 300 Hours
Target Audience:	BE Students
Program Type:	<b>Center for Futuristic Learning - DevOps</b>
Value Additions:	<ul style="list-style-type: none"> <li>✓ Online Hands On Training Sessions with Technology Experts from Corporate and from IITs. (30% of Course Duration).</li> <li>✓ 3 Interactive Webinar sessions per semester with CEOs and Technology Heads from Corporate.</li> <li>✓ Real World Projects certified by PWC.</li> <li>✓ Cloud Labs Tools &amp; Softwares</li> </ul>
Placement & Internship Assistance:	<ul style="list-style-type: none"> <li>✓ Access to 30+ Product Companies: Marquee Companies: &gt;20 LPA; Super Dream Companies: 10-20 LPA; Dream Companies: 5-10 LPA</li> <li>✓ Abroad Internships &amp; Placements</li> <li>✓ Study Abroad Programs with Placements</li> </ul>

## Syllabus:

### DevOps - Curriculum

Course	Modules
<b>C1 - DevOps Fundamentals</b>	M1 - Introduction to Software Development and DevOps
	M2 - The DevOps lifecycle
	M3 - DevOps Stages
	M4 - DevOps on Cloud
<b>C2 - Source Code Management using GIT</b>	M1 - Introduction to Version Control
	M2 - Git and its Architecture
	M3 - Git Operations and Remote Repositories
	M4 - Branching and Merging in Git
	M5 - Git Workflows
	M6 - Git Server Administration
<b>C3 - Continuous Integration using Jenkins</b>	M1 - Introduction to Continuous Integration
	M2 - Jenkins Plugins
	M3 - Build Jobs and Jenkins Security
	M4 - Metrics to Improve Quality
	Doubt Clearing Session + Mid Course Test
	M5 - Distributed Jenkins Configuration
	M6 - Managing Jenkins and using Sqitch for Database Management
	M7 - Automated Deployments and Continuous Delivery
M8 - Jenkins Pipeline	
<b>C4 - Configuration Management using Ansible</b>	M1 - Introduction to Configuration Management
	M2 - Server Provisioning using Ansible CLI and Playbooks
	M3 - Ansible Modules and Roles
	M4 - Ansible on Cloud
<b>C5 - Continuous Deployment using Docker</b>	M1 - Introduction to Containerization
	M2 - Image Management and Registry
	M3 - Storage in Docker
	M4 - Container Orchestration using Docker
	Doubt Clearing Session + Mid Course Test
	M5 - Networking and Security
M6 - Docker EE	
<b>C6 - Container Orchestration using Kubernetes</b>	M1 - Introduction to Container Orchestration
	M2 - Kubernetes Architecture and Core Concepts
	M3 - Kubernetes Services and Scheduling
	M4 - Kubernetes Controllers
	Doubt Clearing Session + Mid Course Test
	M5 - Storage in Kubernetes
	M6 - Securing and Troubleshooting the Cluster
	M7 - CI/CD using Jenkins X
M8 - CI/CD using Jenkins X Part-2	

<b>C7 - Continuous Monitoring and DevOps on AWS</b>	M1 - Continuous Monitoring using Prometheus
	M2 - Prometheus Security and Use Cases
	M3 - Continuous Monitoring using Nagios XI
	M4 - Log Server 2.0 and alerting in Nagios
	M5 - SDLC automation using AWS
	M6 - Automating Infrastructure using CloudFormation
	M7 - Application Deployment using Elastic Beanstalk
	M8 - Application deployment and Orchestration using ECS, ECR and EKS