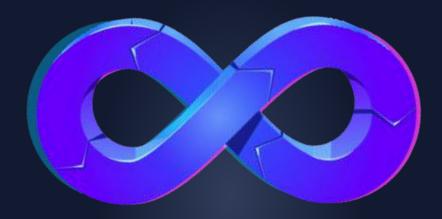**GUVI**

DevOps Certification

Your Path to a Strong DevOp Foundations

- 3–Months Weekday / 5 Months Weekend Online **Live Classes**
- 100% Job Placement Assistance
- Learn in English & Tamil

About IIT Madras & Incubation Cell

The Indian Institute of Technology Madras or IIT Madras is recognized globally and holds the laureate of being the No.1 engineering university in India. With a faculty of international fame, bolstered with a highly motivated and profound student community, IIT Madras stands true as an Institute of Eminence. It is a public technical and research university established by the Government of India. IITM Incubation Cell nurtures technology ventures through their start-up phase by providing all the support

GUVI In A Glance

Grab Ur Vernacular Imprint-GUVI (an IIT-Madras Incubated Company) is World's First Vernacular Ed-Tech Learning Platform. Introduced by Ex PayPal Employees, GUVI empowers students to master programming skills with the comfort of their native language. Its mission is to impart technical skills to all through focussed pedagogical tools.

About the Co-Founders

Co – Founder at GUVI

20+ years of Technical Expertise

PayPal **Honeywell** & more

Tech Women Entrepreneur who was selected For Google Developers' Launchpad Program

Sridevi

CEO & Founder at GUVI

20+ years of Technical Expertise

PayPal **Honeywell** **Symantec** & more

Built 7 Products from Scratch Mentored 1000+ students Hosted 200+ sessions & 25+ webinars

Arun Prakash

Co – Founder at GUVI

17+ years of experience with IT industry

PayPal

Technologist with 9+ years of Entrepreneurial experience & Member of the Syllabus Sub–Committee at Anna University

Bala Murugan

Zen Class DevOps Program

The Program features the perfect mix of theory, live virtual classes, case studies, and extensive Hands–on practice to prepare you for a fast–growing field that bridges the gap between software developers and operations. Throughout the course, you will learn the main characteristics of DevOps processes, tools, and people involved during the lifecycle. Candidates will also get real–time firsthand experience in continuous development & deployment using current configured management tools such as Jenkins, Kubernetes, Docker & GiT.

Why GUVI's DevOps Certification Program?

175% Highest Hike

₹21 Lakhs Highest Salary

40% Hike in Demand

200+ Hiring Partners

360+ Best Industry Experts

100% Job Placement Support

Pre-Bootcamp Phase

Candidate

↓

Book a Seat with ₹8000
(100% Refundable)

↓

Attend Pre-Bootcamp Session
(2 Sessions)

↓

Take Assessment

↓

If Selected

↓

Proceed to DevOps Program with

↓

₹89,999 (Course Fee) – ₹8000(Booking
Fee) = ₹81,999(Remaining Fee)

↓

If Not Selected

↓

Immediate Refund of ₹8000

DevOps Certification Program

Fast-paced 5-Months Weekend Live Online Classes

↓

Hands-on Industry Projects + Bi-weekly Hackathons

↓

Technical Mentorship by Industry Experts + Periodic Meetups

↓

Practise on Coding Practise Platforms CodeKata, WebKata, MicroArc

↓

Mock interviews

↓

Placement Interview Eligibility Test(by Mentors)

↓

Proceed to Placement Phase

Placement Phase

Tech–Skilled Certified
DevOps Engineers

↓

Enters Placement Window

↓

Exclusive Skill–based
Job Notifications

↓

Company-specific Expectations Setting
(Hits Interviews Arranged)

↓

Tech–Guidance +
100% Placement Support

Top skills you'll learn!

- Fundamentals of DevOps: Become proficient with DevOps terminologies, benefits & concepts.
- Complete Knowledge of Version Control System to effectively track changes made with GIT.
- Security & Performance Testing to safeguard your product from vulnerabilities.
- Learn a comprehensive overview of the Container ecosystem & Continuous Integration via AWS, Jenkins & Docker.
- Launching an AWS EC2 instance and accessing it using CLI.

Technologies covered

Git

Jenkins

Docker

Maven

Kubernetes

Gradle

Terraform

Vagrant

Prometheus and Grafana

AWS & GitHub Account

AWS Resources

Program Curriculum

Module 01: Introduction to DevOps

- What is SDLC?
- Types Of SDLC Methods.
- What is Agile Methodology?
- What is SCRUM Methodology?
- What is DevOps?
- Need for DevOps Culture.
- What is a Continuous Integration?
- What is Continuous Delivery?
- Benefits Of DevOps
- Introduction to Virtualization
- VM – Manual setup
- VM – Automated setup

Module 02: Linux(Centos7/Ubuntu)

- Introduction to Linux
- Basic Commands
- More Commands (mkdir, cp, mv, touch, etc)
- Filters & Redirections
- Users and Group
- File permissions
- Process
- Archiving
- Ubuntu Based Commands

Module 03: Vagrant and Linux File servers

- Vagrant IP, RAM & CPU
- Website Setup
- Website Setup, WordPress
- Automate Website setup
- Introduction to networking and OSI models
- Understanding the networking, IP
- Networking Commands

Module 04: Bash Scripting

- Introduction to Bash Scripting
- Sample scripts & Command Line Arguments
- Variables & System Variables
- Exporting the variables
- User input
- Decision Making
- Loops & While Loops
- Writing the shell script to host the website

Module 05: GIT

- Introduction
- Versioning, staging & un-staging
- Branching, Merging, and rebase
- Rollback, reset
- Git ssh login

Module 06: Introduction to Container

- ✅ What are containers?
- ✅ What is Docker?
- ✅ Hands-On Docker Containers
- ✅ Microservices

Module 07: Dockers

- ✅ Introduction
- ✅ Docker installation and commands setup
- ✅ Docker logs and Docker volumes
- ✅ Building images
- ✅ Docker Compose
- ✅ Multistage Dockerfile
- ✅ Containerizing project

Module 08: AWS Infrastructure –1

- ✅ What is cloud computing?
- ✅ EC2 Introduction
- ✅ Launching an EC2 and accessing it using CLI
- ✅ EBS & Mounting on EBS
- ✅ EBS snapshots
- ✅ ELB
- ✅ Cloud watch

Module 09:
AWS Infrastructure –2(Cont'd)

- ✅ EFS & Autoscaling
- ✅ S3 & RDS
- ✅ Introduction to VPC & VPC Setup
- ✅ Beanstalk
- ✅ RDS & App setup on Beanstalk
- ✅ Code commit
- ✅ Code build
- ✅ Build Deploy and Codepipeline

Module 10: Continuous Integration using Jenkins

- ✅ Introduction to Jenkins
- ✅ How to change Home Directory
- ✅ How to use Jenkins from the command line
- ✅ How to create Users + Manage + Assign Roles
- ✅ Jenkins authentication and authorization

Module 11: Continuous Integration using Jenkins (Cont`d)

- ✅ Basic Configurations
- ✅ Jenkins integration with GIT (SCM)
- ✅ How to add GitHub Credentials
- ✅ How to do Automated Deployment
- ✅ How to send Email from Jenkins

Module 12: Build Tools

- ✅ Maven
- ✅ Gradle

Module 13: Kubernetes

- ✅ Introduction
- ✅ Minikube setup for K8s setup
- ✅ Kops for K8s setup
- ✅ YAML Files
- ✅ Object and Documentations
- ✅ Kube config, Namespace & Pods
- ✅ Services & Deployment
- ✅ Ingress

Module 14: Infrastructure as a Code Using Terraform

- Introduction to Terraform
- Installation of Terraform
- Create AWS resources using Terraform (VPC, Subnet, EC2, SG, ALB, IG, RT)
- Understanding Resources and Providers
- Destroying Infrastructure with Terraform

Module 15: Monitoring with Prometheus & Grafana

- Prometheus Architecture
- Installation and Configuration
- Promql Introduction
- Prometheus Graphs
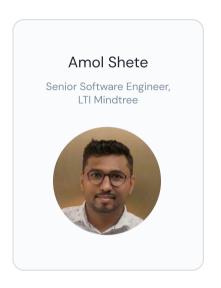- Installation and configuration of Grafana
- Using Grafana to visualize

Add-on Topics:

- Top 5 Development AI tools (Alva – AI assistant, code lab, Kubiya, AWS Code guru, Sysdig, Datadog APM)
- Portfolio Building with webflow
- Resume Preparation
- Communication Sessions
- Last Mile Preparation for placement
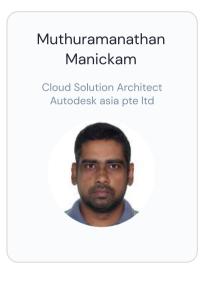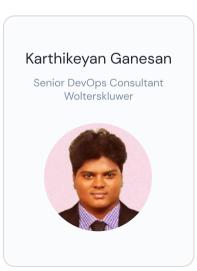- Additional Infrastructure management tool (ansible)

Projects:

- Setup a DevOps CI/CD pipeline for web application
- Automated Website deployment with Docker
- Create a monitoring dashboard for the web application
- Building a scalable application with docker & Kubernetes
- Implement CI/CD for DevENV/ProdENV deployments
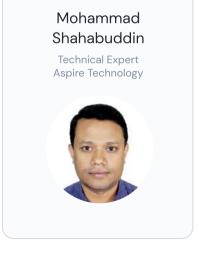- Automated resource allocation.

Course Instructors

Learn from India's Top Industry Experts

Amol Shete

Senior Software Engineer,
LTI Mindtree

Muthuramanathan Manickam

Cloud Solution Architect
Autodesk asia pte ltd

Karthikeyan Ganesan

Senior DevOps Consultant
Wolterskluwer

Mohammad Shahabuddin

Technical Expert
Aspire Technology

Here's What Our Learners Feel

Muniswara

I had an amazing experience with GUVI's DevOps course! I learned all the necessary technical skills, from Kubernetes to AWS and Python. But what really stood out is the placement training where we were taught technical and interpersonal skills. The placement support was also incredibly helpful in finding the perfect job for me. Highly recommend it! I would also like to mention my mentors, they were really supportive and encouraged me from the beginning till the end of the course. The support from Guvi doesn't stop after completion of the course, they make sure that we get all the placement support.

Gayatri Srinivas

I am grateful for GUVI's DevOps course, which provided me with a wealth of knowledge on critical concepts like scrum, AWS, and Linux. The course's comprehensive coverage of AWS infrastructure was particularly beneficial in preparing me for my role as a DevOps engineer at Amazon. Additionally, the placement support provided by GUVI's team was exceptional and instrumental in helping me ace my interview. I was usually very nervous about my placements, but the placement team motivated me and they gave me the best support. Overall, I highly recommend this course to anyone seeking a career in DevOps.

Karpagaveni

I can confidently say that GUVI's DevOps course is the perfect starting point for anyone looking to kick start their career as an AWS engineer. I was introduced to GUVI by a friend, and I am so glad I decided to enroll in the course. The teaching methodology is exceptional and the mentor support is unparalleled. Whenever I had doubts, the mentors were easily accessible and my queries were resolved in no time. The mock interviews were particularly helpful in preparing me for real-world scenarios, and I'm thrilled to say that I landed a job as a DevOps Engineer at Mediguru thanks to the knowledge and support provided by GUVI. I highly recommend this course to anyone looking to build a career in DevOps.

Who can take this course?

- Fresh Graduates who want to kick start their career in DevOps Job Market.
- Professionals working in either technical or Non-technical job roles eager to leverage DevOps Skills.
- Employees working in the following roles
  - IT Team Leaders
  - Developers
  - Engineers
  - System Administrators & IT managers
  - Cloud Engineers
  - Software Developers

Program Details

PROGRAM FEE

Total Course Fee	₹89,999
Pre-BootCamp Booking Fees	−₹8000
Remaining Fee	₹81,999

Now become a proficient DevOps Engineer at Affordable Installments! Master DevOps concepts at just **₹7,653 /Month**

Note: Valid documents are required for EMI Process. Additional processing fee will be applied. EMI Amount might vary with Vendors

AVAILABLE EMI OPTIONS

📅 **Upto 12 Months**

Build a Promising Tech Career.

Instructor–led DevOps Engineer Training Made Easy.

GUVI

IITM Research park – phase 2 module #9, 3rd floor, D block, Kanagam Rd, Tharamani, Chennai, Tamil Nadu, India. 600113