Who are we ..?

At Edufyi Tech Solutions, we are dedicated to transforming the educational journey for college students by offering cutting-edge virtual internships and comprehensive training programs. Our approach combines industry mentorship with practical experience, providing each student with six real-time and capstone projects per course or domain. These projects are designed to equip students with the skills and experience needed to secure their dream jobs upon graduation.

☀ Mission:

To equip students with virtual internships and real-world projects for successful career placement through industry mentorship.

☀ Vision:

To transform education by linking academic learning with practical experience, helping students achieve their career goals.

Lesson Plan

Introduction to DevOps

- What is DevOps?
- Definitions and key concepts
- Importance of DevOps in modern software development
- DevOps Culture
- Collaboration between development and operations teams
- Key principles: communication, collaboration, and automation
- The DevOps Lifecycle
- Overview of the DevOps lifecycle stages: Plan, Develop, Build, Test, Release, Deploy, Operate, Monitor

Lesson Plan

week 2

Version Control Systems

- Introduction to Version Control
- Importance of Version control in software development
- Git Basics
- Setting up Git and GitHub
- Basic commands: clone, commit, push, pull, branch
- Collaborative Workflows
- Understanding branching strategies (Git Flow, feature branching)
- Pull requests and code reviews

Lesson Plan

Continuous Integration (CI)

- What is Continuous Integration?
- Principles and benefits of CI
- CI Tools Overview
- Introduction to CI tools (Jenkins, CircleCI, Travis CI)
- Building CI Pipelines
- Setting up a simple CI pipeline
- Automating builds and running tests

Lesson Plan

Continuous Delivery (CD)

- What is Continuous Delivery?
- Differences between Continuous Delivery and Continuous Deployment
- CD Tools and Practices
- Overview of popular CD tools (GitLab CI/CD, AWS CodePipeline)
- Deploying Applications
- Best practices for automated deployments
- Rollback strategies

Lesson Plan

week 5

Configuration Management

- Introduction to Configuration Management
- Importance of configuration management in DevOps
- Configuration Management Tools
- Overview of tools (Ansible, Chef, Puppet)
- Infrastructure as Code (IaC)
- What is IaC and its benefits?
- Writing simple configuration scripts

Lesson Plan

week 6

Containerization and Orchestration

- Understanding Containers
- What are containers and how do they differ from virtual machines?
- Introduction to Docker
- Building and Managing Containers
- Creating Docker images and containers
- Docker Compose for multi-container applications
- Orchestration with Kubernetes
- Introduction to Kubernetes and its architecture
- Deploying applications on a Kubernetes cluster

Lesson Plan

Monitoring and Logging

- Importance of Monitoring and Logging
- Role in maintaining application performance and reliability
- Monitoring Tools
- Overview of monitoring tools (Prometheus, Grafana, Nagios)
- Logging Practices
- Centralized logging solutions (ELK stack, Fluentd)
- Analyzing logs for troubleshooting

Lesson Plan

week 8

Capstone Project and Future Trends

- Capstone Project Development
- Selecting a project topic: Building a CI/CD pipeline for a sample application
- Implementing the concepts learned throughout the course
- Project Presentation
- Structuring and presenting the project findings
- Future Trends in DevOps
- Discussion on emerging trends (DevSecOps, AIOps)
- The evolving landscape of DevOps careers

Our Process:

» Schedule a Demo Call

Discover more about our programs and how they can benefit your career.

» Choose a Program

Select the plan that fits your goals and budget.

» Enroll

Join our community and start your journey with us.

» Engage for 2-3 Months

Stay committed for a 2-3 month period to make the most of our curriculum.

» Acquire Skills & Experience

Gain valuable knowledge, hands-on experience, and practical skills.

Certifications

- Internship Certificate
- Training Certificate
- Course Certificate
- letter Of Recommendation

TIE - UP COMPANYS

CONTACT US :

✉ Info@edufyitechsolutions.com

📞 6362000213