B. Tech CSE with Specialization in
Cloud & DevOps

Industry Trends and the Role of DevOps

In the current digital age, DevOps is central to an organization's value delivery, integrating development and operations for efficient software lifecycle management. Full-stack developers, are key to this process. Companies are keen to cultivate more developers with DevOps expertise.

Program Approach:

Xebia Academy addresses industry needs by preparing college graduates for careers in DevOps through a comprehensive program. Key features include:

Industry-Relevant Curriculum:
Developed with industry experts to reflect current trends and technologies.

Hands-On Learning:
Practical projects, workshops, and real-world case studies provide valuable experience.

Career Guidance:
Resume workshops and interview preparation, ensures smooth workforce transition.

Expert Faculty:
Experienced practitioners and educators offer mentorship and real-world insights.

Career Progression for **DevOps Professionals** — varies with experience

- 12 Lakhs p.a — DevOps Engineer
- 9.5 Lakhs p.a — Full Stack Developer
- 8 Lakhs p.a — Software Engineer
- Varies Considerably — Freelance Developers
- 15 Lakhs p.a — IT Project Manager
- 18 Lakhs p.a — Solutions Architect
- 16 Lakhs p.a — Product Manager
- 14 Lakhs p.a — Technical Lead

Job Roles College Graduates Can Aim for

Upon completing college graduates can pursue various entry-level roles requiring foundational and DevOps skills, such as Frontend/Backend Developer, Full Stack Architect, Full Stack Software Engineer, DevOps Architect, Release Manager, DevOps Intern, DevOps Manager, Site Reliability Engineer, DevOps Analyst, Automation Engineer and similar roles.

Enabling Learner Success

Holistic Skill Development
Through industry visits, Guest Speakers, campus ambassador program and TechFests

Hackathon / Industry Sessions
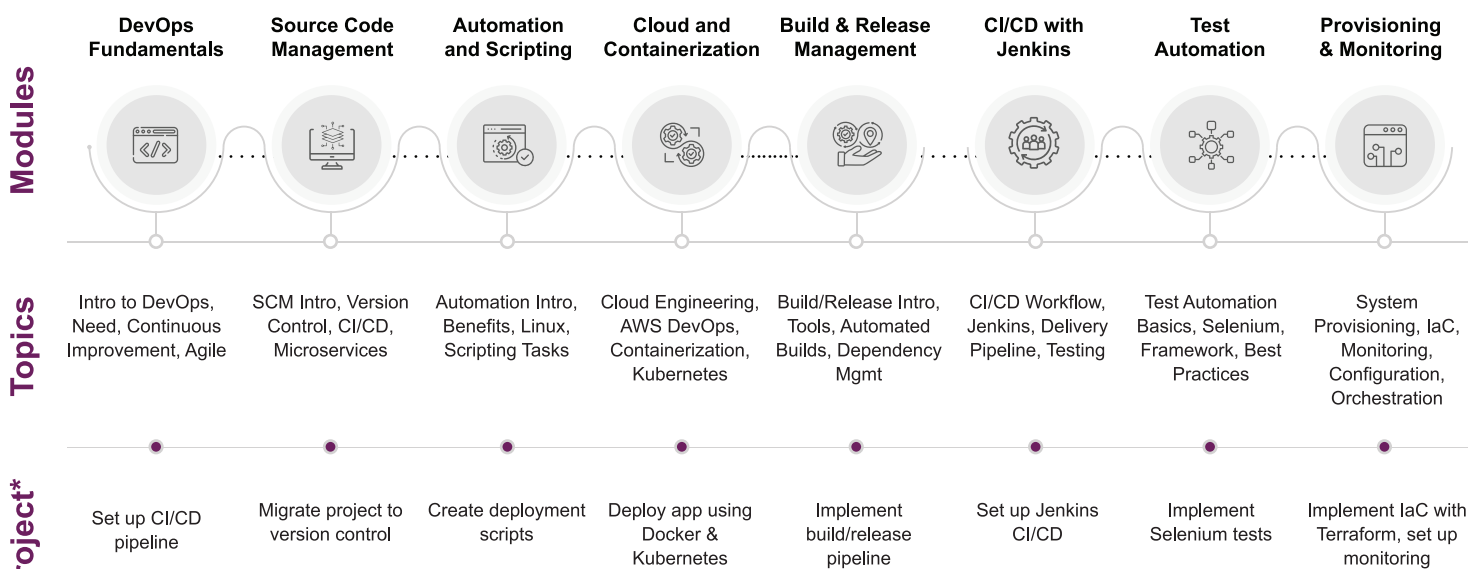Elevatae your skills through DevOps Hackathon and industry sessions

Build Your Portfolio
Craft your winning portfolio and ace your interviews with our expert guidance sessions
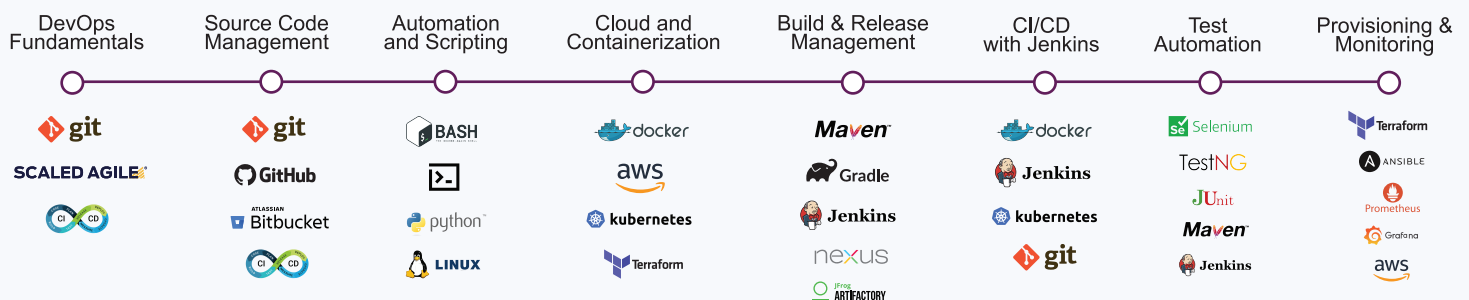
Learning Journey of DevOps

Start with HTML, CSS, and JavaScript, progress to React and Node.js, master Selenium for testing, and implement CI/CD. Enhance your software craftsmanship and complete projects to solidify your skills.

	DevOps Fundamentals	Source Code Management	Automation and Scripting	Cloud and Containerization	Build & Release Management	CI/CD with Jenkins	Test Automation	Provisioning & Monitoring
Topics	Intro to DevOps, Need, Continuous Improvement, Agile	SCM Intro, Version Control, CI/CD, Microservices	Automation Intro, Benefits, Linux, Scripting Tasks	Cloud Engineering, AWS DevOps, Containerization, Kubernetes	Build/Release Intro, Tools, Automated Builds, Dependency Mgmt	CI/CD Workflow, Jenkins, Delivery Pipeline, Testing	Test Automation Basics, Selenium, Framework, Best Practices	System Provisioning, IaC, Monitoring, Configuration, Orchestration
Project*	Set up CI/CD pipeline	Migrate project to version control	Create deployment scripts	Deploy app using Docker & Kubernetes	Implement build/release pipeline	Set up Jenkins CI/CD	Implement Selenium tests	Implement IaC with Terraform, set up monitoring

* List of Projects is Illustrative

Key Technology Covered in the DevOps Program

DevOps Fundamentals	Source Code Management	Automation and Scripting	Cloud and Containerization	Build & Release Management	CI/CD with Jenkins	Test Automation	Provisioning & Monitoring
git	git	BASH	docker	Maven	docker	Selenium	Terraform
SCALED AGILE	GitHub		aws	Gradle	Jenkins	TestNG	ANSIBLE
CI CD	Bitbucket	python	kubernetes	Jenkins	kubernetes	JUnit	Prometheus
	CI CD	LINUX	Terraform	nexus	git	Maven	Grafana
				ARTIFACTORY		Jenkins	aws

Sounds Interesting?

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