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10 YEARS
ICT ACADEMY OF KERALA

UPSKILLING PROGRAM
DEVOPS
WITH AZURE

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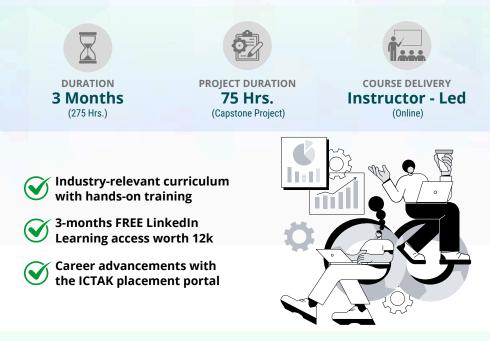
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Why DevOps with Azure?

The DevOps with Azure Upskilling program is tailored to empower participants with the expertise needed to proficiently execute and oversee DevOps methodologies within an Azure setting. Through this program, attendees delve into topics like continuous integration, automation, monitoring, logging, and security, leveraging Azure DevOps tools and services. Delivered via virtual instructor-led sessions, the program concludes with a certification course. Graduates emerge with a comprehensive grasp of DevOps principles, Azure technologies, and the hands-on proficiency to implement them effectively in diverse real-world contexts.

DURATION
3 Months
(275 Hrs.)

PROJECT DURATION
75 Hrs.
(Capstone Project)

COURSE DELIVERY
Instructor - Led
(Online)

✔ **Industry-relevant curriculum with hands-on training**

✔ **3-months FREE LinkedIn Learning access worth 12k**

✔ **Career advancements with the ICTAK placement portal**

Participating in an upskilling program offers a multitude of benefits, including enhancing employability and preparedness for the competitive job market, refining expertise and proficiencies in a specific area, expanding earning potential and opportunities for career advancement, meeting the demand for skilled professionals within industries, and staying updated on the latest trends and technological advancements relevant to the field.

Scope of the Program

The demand for DevOps professionals with Azure skills is rising due to increased cloud adoption by organizations. According to the LinkedIn Workforce Report, DevOps Engineer ranks third in demand in the US job market. Microsoft Azure is the most sought-after cloud computing platform, making DevOps with Azure a versatile field that blends development and operations skills. It offers cross-functional career opportunities for individuals, involving the use of cutting-edge technologies and tools. This dynamic field provides continuous learning and growth opportunities, attracting professionals eager to advance in their careers.

Objectives

- Introduce learners to DevOps concepts and Azure tools
- Teach learners how to automate infrastructure provisioning and management with Azure Resource Manager
- Instruct learners on containerizing applications with Docker and Kubernetes
- Train learners in monitoring and managing application performance, security, and compliance using Azure tools

Agenda

- Introduction to DevOps
- Version Control with Azure Repos
- Continuous Integration with Azure Pipelines
- Infrastructure as Code with Azure Resource Manager
- Case Study
- Containerization with Docker and Kubernetes
- Monitoring and Logging with Azure Monitor
- Configuration Management with Azure Automation
- Security and Compliance with Azure Security Center
- Performance Testing with Azure DevTest Labs
- Designathon Orientation

About ICTAK

The ICT Academy of Kerala (ICTAK) is a not-for-profit organization formed by the Government of India, the Government of Kerala, and leading IT industry players like TCS, UST, IBS, and Quest Global. ICTAK offers various ICT and life skills programs such as Microsoft, Java, DevOps, Cyber Security, Artificial Intelligence/Machine Learning, and so on. Recognized by the Government of Kerala's Department of Electronics & IT, ICTAK provides comprehensive training with capstone projects and internships to prepare the next generation of ICT professionals. In the 2023-24 period, it expanded its partner network to 282 academic institutions, impacting over 12,000 students and 600 faculties. With 182 corporate partners, ICTAK organizes events, hackathons, and conferences to develop new ICT courses and promote digital literacy. Through partnerships with the government, it focuses on capacity building and project execution. Over the last decade, ICTAK has trained 1,20,000 participants and received national recognition for its innovative training practices from the Indian Society for Training & Development (ISTD).

Eligibility

- Engineering or science graduates/ three-year diploma holders in any engineering branches
- Final year/pre-final year students of the above courses
- Foundation level knowledge (plus two equivalent) in Mathematics and Computer fundamental skills
- Students who have completed graduation but are awaiting final results

*Please note that the ICT Academy of Kerala will have the right to cancel the candidature at any point if found ineligible.

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