🚀 Kubernetes & Argo CD Team Learning Day

Session Plan

🎯 Objectives of the Session

- 🧠 Understand basic Kubernetes concepts

- 🛠️ Gain hands-on experience with Argo CD (GitOps tool)

- 🔄 Learn how Argo CD works for deployments

- 🚀 Practice deploying a simple .NET web application

📚 What the Will Learn

- ☸️ Kubernetes basics: clusters, pods, services, deployments
- �🔄 GitOps principles and Argo CD introduction
- ⚙️ Argo CD workflow, syncing, rollbacks, health checks, self-healing
- � Brief overview of Helm charts for packaging Kubernetes applications
- 🛠️ Introduction to Kustomize for customizing Kubernetes manifests
- 📈 Overview of Argo Rollouts for progressive deployment strategies (e.g., canary, blue-green)
- 🏃 Hands-on exercises: setup, deployment, updates, rollbacks

📅 Format

- 📖 First half: Theory presentation

- 🖥️ Second half: Hands-on exercises

- 🔄 Round-robin participation in live demo environment

🙏 Thank You

Questions?