# Women in Cloud Center of Excellence in India

## Internship Modules for Engineering students


WOMEN IN CLOUD

### M1. Cloud Native DevOps

- Application development
- GitHub push and pull request
- Docker - Docker hub
- Building a Container
- Container Registries
- Containerization of application
- Static application hosting using docker
- Working with Kubernetes Objects
- A Kubernetes Package Manager- Installing Helm, Helm Chart, Listing Helm Releases
- Kubernetes tool- creating CI/CD pipelines or deployment
- Azure Cloud hosting of dynamic application

### M2. DevSecOps

- Application testing using open source tools in cloud (Jenkins/SonarQube/GitLab etc)
- Security in CI/CD pipeline
- Automated Cloud Security Testing with Metasploit
- Cloud-Based Network Security Testing
- Exploring Security of Cloud-Based Containers

**Note: Students have to carry out projects/do paper publications based on the technical knowledge gained on above topics mandatorily. For Project topic selection flexibility is given.**

For Further Information

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