### ****DAY 1: 16th June 2025 – Cloud & Linux Fundamentals****

**Timings: 11:00 AM to 3:00 PM**  
 **Lunch: 12:50 PM to 1:30 PM**

#### ****Plan A (Speaker Attends):****

| Time | Session Title | Description |
| --- | --- | --- |
| 11:00 – 11:30 | Welcome Note, Lamp Lighting Ceremony | Dignitaries’ address, lighting lamp, agenda overview |
| 11:30 – 12:00 | Fundamentals of Cloud Computing | What is cloud, types (Public/Private/Hybrid), intro to AWS/GCP/Azure |
| 12:00 – 12:30 | Introduction to Linux & Terminal Basics | Command line essentials, file system, permissions |
| 12:30 – 12:50 | Computer Networks & Databases (Quick) | Basic networking & overview of SQL vs NoSQL |
| 12:50 – 1:30 | Lunch Break |  |
| 1:30 – 2:00 | Linux Programming (Hands-on) | Shell scripting, file manipulation, scripting tasks |
| 2:00 – 2:30 | Cloud Platforms Overview + Open Source | Cloud services tour; power of open source communities |
| 2:30 – 3:00 | Deploy Your First App (Demo) | Guided demo on deploying a simple app to the cloud |

#### ****Plan B (No Speaker):****

| Time | Session Title | Description |
| --- | --- | --- |
| 11:00 – 11:30 | Welcome Note, Lamp Lighting Ceremony | Dignitaries’ address, lighting lamp, agenda overview |
| 11:15 – 11:45 | Fundamentals of Cloud Computing | Same session by internal trainers |
| 11:45 – 12:15 | Linux Essentials | Terminal, directory structure, permissions |
| 12:15 – 12:50 | Computer Networks & Databases | Basic networking & overview of SQL vs NoSQL |
| 12:50 – 1:30 | Lunch Break |  |
| 1:30 – 2:00 | Linux Programming (Hands-on) | Same shell scripting lab |
| 2:00 – 2:30 | Cloud Platforms Overview + Open Source | Tools tour & student open-source journey highlights |
| 2:30 – 3:00 | App Deployment Walkthrough | Guided demo on deploying a simple app to the cloud |

### ****DAY 2: 17th June 2025 – DevOps & Cloud Deployment****

**Timings: 10:00 AM to 3:00 PM**  
**Lunch: 12:30 PM to 1:20 PM**

#### ****Plan A (Speaker Attends):****

| Time | Session Title | Description |
| --- | --- | --- |
| 10:00 – 10:20 | Day 1 Recap + Agenda for Day 2 | Quick review, set expectations |
| 10:20 – 11:00 | Basics of DevOps | CI/CD pipelines, what is DevOps, intro to Jenkins, Docker |
| 11:00 – 11:40 | Docker Deep Dive (Hands-on) | Dockerfile, building and running containers |
| 11:40 – 12:30 | CI/CD with GitHub Actions or Jenkins | Automate builds, test, deploy |
| 12:30 – 1:20 | Lunch Break |  |
| 1:20 – 2:10 | Host Your First Full-stack Project (Hands-on) | Deploy app using Netlify/Vercel + Backend on Render/Fly.io |
| 2:10 – 2:40 | Final Showcase: Student Demos | Participants demo their deployed app |
| 2:40 – 3:00 | Closing Ceremony + Feedback | Certification talk, reflections, closing words |

#### ****Plan B (No Speaker):****

| Time | Session Title | Description |
| --- | --- | --- |
| 10:00 – 10:15 | Recap & Day 2 Overview | Club-led discussion |
| 10:15 – 11:00 | DevOps Basics | Internal trainer covers CI/CD, Jenkins, Docker overview |
| 11:00 – 11:30 | Docker Hands-on | Simple image build, container creation |
| 11:30 – 12:30 | CI/CD with GitHub Actions | Create a working pipeline using GitHub Actions |
| 12:30 – 1:20 | Lunch Break |  |
| 1:20 – 2:00 | Project Deployment Lab | Real-time hands-on using student apps |
| 2:00 – 2:40 | Student Project Presentations | Share outcomes of deployment activity |
| 2:40 – 3:00 | Wrap-up & Feedback | Thank you note, reflection, group picture |

### ****Key Learning Topics Mapped Across 2 Days:****

| Topic | Covered On |
| --- | --- |
| Fundamentals of Cloud Computing | Day 1 |
| Introduction to Linux | Day 1 |
| Deploying First Application | Day 1 |
| Open Source Awareness | Day 1 |
| DevOps, CI/CD Pipelines, Docker | Day 2 |
| Hands-on Deployment Practice | Day 2 |