

## Proposed syllabus for AWS workshop

In These three days, we will dive deep into the world of big data processing and analytics using some of the most powerful tools available on AWS. This workshop is designed to provide you with both theoretical knowledge and practical experience in leveraging AWS Glue, Lambda, CI/CD build and manage robust Cloud engineering solutions.

|       |          | Contents  |
|-------|----------|---|
| Day 1 |          | <ul style="list-style-type: none"> <li>• Overview of Cloud</li> <li>• Regions and Az's</li> <li>• Server vs Serverless</li> <li>• Hands-on on IAM</li> <li>• Overview on VM and container</li> <li>• Horizontal and vertical scaling</li> <li>• Security Groups</li> <li>• Hands-on on EC2</li> </ul> |
|       | Hands-on | <ul style="list-style-type: none"> <li>• Deploying ML End to End website</li> </ul>   |
| Day 2 |          | <ul style="list-style-type: none"> <li>• Load balancing</li> <li>• Monolith vs Microservice</li> <li>• SQS</li> <li>• Auto scaling</li> <li>• Lambda</li> <li>• S3</li> <li>• Triggers</li> </ul>   |
|       | Hands-on | <ul style="list-style-type: none"> <li>• Building Machine learning ETL Project</li> </ul>   |
| Day 3 |          | <ul style="list-style-type: none"> <li>• What is CI/CD</li> <li>• Overview of Git</li> <li>• What is ETL</li> <li>• GLUE</li> </ul>   |
|       | Hands-on | <ul style="list-style-type: none"> <li>• Deploying End to End CI/CD pipeline</li> <li>• Build ETL pipeline with business use case</li> </ul>  |

## **Best thing about workshop is**

No need of Prior Knowledge on Cloud Everything will be done from scratch.  
And we will discuss

- Projects and Hands-on on Each AWS Services
- Solving real world business's problem

## **Participant Requirements:**

- AWS account
- Credit card or Debit card ( Must )
- System with internet access with configuration of 8 GB Ram