

Sl. No	Section/Module	Chapter Title	Timeline	Video Chapters	Live Q&A session video recordings
0	KickOff meeting	Program Introduction	Day 0 (Wednesday) Kick-off meeting @9PM IST		Kick-off Meeting video recording
1	Cloud Fundamentals	What is Cloud Computing? Cloud Deployment Models Traditional Data Centers Cloud Service Models Key Cloud Concepts Benefits of Cloud Computing Different Cloud Providers	Day 1 (Thursday)	https://youtu.be/U5ZOr3DkvcY https://youtu.be/Khzv7Bf6IsY https://youtu.be/qpsOrgYz0pY https://youtu.be/E3nGthm-Eps https://youtu.be/Hf8n74cFNx8 https://youtu.be/BzRn3mcZLA4 https://youtu.be/q3fK4-5kOdA	
2	Getting Started with AWS	AWS Accounts Create AWS Account AWS Free Tier Securing an AWS Account Configure MFA & Password Policy Set up Budget & Alert Methods of Interacting with AWS Using the AWS Management Console Install AWS CLI Using the AWS CLI AWS Regions and Availability Zones AWS Edge Locations	Day 1 (Thursday)	https://youtu.be/PMep17fGUqM https://youtu.be/o5XcbfZGw90 https://youtu.be/bXvjrJGyIPQ https://youtu.be/w_eGr4V1qEc https://youtu.be/F0G-w2UOrTA https://youtu.be/VFG7Bok9TSo https://youtu.be/FSQ86liKhr8 https://youtu.be/F0geVKkKJk4 https://youtu.be/3YoGwwpx1Ak https://youtu.be/AWqwbZAAmtA https://youtu.be/_aXgTDokJhA https://youtu.be/dIb-tanWB9E	
3	AWS Identity & Access Management	What is Identity & Access Management? Users, Groups, & Roles Creating an IAM User & Group Login with IAM User & Create Role IAM Policies IAM Best Practices	Day 1 (Thursday)	https://youtu.be/-TXifbJ7o7w https://youtu.be/hTfT3YpwAlM https://youtu.be/U8OI6YG8Qy8 https://youtu.be/aOJg1RLsNoY https://youtu.be/YNCadNn0RZ0 https://youtu.be/4-u67T2v0cw	
4	Assignment 0			Assignment-0 document	
5	AWS Storage Services	Overview of Amazon S3 S3 Availability, Durability, and Data Replication Storage Classes S3 Bucket - Demo Overview of EBS (Elastic Block Storage) Overview of EFS (Elastic File System)	Day 2 (Friday) 2nd Live Q&A session & Project introduction @9PM IST	https://youtu.be/zbcwXQYZaEc https://youtu.be/NkHIOXCnULU https://youtu.be/KtoILVNwvQA https://youtu.be/DkgkhnLBJN4 https://youtu.be/m4Vc5mQjIZM https://youtu.be/pyMtC9btdhI	
6	Assignment 1			Assignment-1 document	
7	Networking & Virtual Private Cloud (VPC)	Introduction to Networking What is a VPC? Subnet, Internet Gateway, Route Table, & NAT Gateway Security Groups & NACL Create VPC, Public, and Private Subnet DNS and Amazon Route 53 AWS VPN & AWS Direct Connect	Day 2 (Friday)	https://youtu.be/kfODsrYIgfA https://youtu.be/EopOUAnmLfg https://youtu.be/hl55j5QkJbM https://youtu.be/cGFnegWuxeE https://youtu.be/-UHW3_x_dGI https://youtu.be/CfVUaosVwKI https://youtu.be/eRRHOqJmsFo	

8	Assignment 2			Assignment-2 document	
9	AWS Compute Services	Compute Services in AWS Virtual Machine EC2 - Elastic Compute Cloud Component of Amazon EC2 EC2 Instance Naming Convention Instance Types Launch Your First EC2 Instance SSH EC2 Instance, Install Httpd Creating a Windows EC2 Instance ECS - Elastic Container Service AWS Elastic Beanstalk Serverless Computing AWS Lambda	Day 3 (Saturday)	https://youtu.be/rhsXJsJbTN4 https://youtu.be/6hj8uTb0cNE https://youtu.be/i74nD77QRyY https://youtu.be/f4fi6HZo6MI https://youtu.be/gHRaVNpuJVk https://youtu.be/epz57N_RzV8 https://youtu.be/5cOIPwmiu1A https://youtu.be/P3EmjZwQztU https://youtu.be/Ftxhkh3N6C0 https://youtu.be/qVqVgggMD5c https://youtu.be/3HDn3ZhJ2M https://youtu.be/sAi80rx5jRA https://youtu.be/o37Y0iP9G2A	2nd Live Q&A session & Project introduction video recording
10	Assignment 3			Assignment-3 document	
11	Database	Data Types Relational Databases NoSQL Databases On-Premise vs Cloud Database Hosting Amazon Relational Database Service Amazon DynamoDB Create RDS Instance Amazon ElastiCache Amazon Redshift	Day 4 (Sunday)	https://youtu.be/bd4DIo5CxRI https://youtu.be/cgNbVvA9-1E https://youtu.be/I5_WgrygKIU https://youtu.be/BajekTGJf7w https://youtu.be/8AATYxxi5s https://youtu.be/U-o21Nw2BsE https://www.youtube.com/watch?v=f-5h9Lwj-Gc https://youtu.be/5VqrLDUs91Y https://youtu.be/J2_hUkjsxoI	
12	Assignment 4			Assignment-4 document	
13	Assignment 5			Assignment-5 document	
14	High-Level Architecture	Auto Scaling EC2 Auto Scaling Group EC2 Auto Scaling Policies Launch Configuration & Launch Template Load balancer What is an Elastic Load Balancer (ELB)? AWS Elastic Load Balancer (ELB) Using ELB and Auto Scaling Together	Day 4 (Sunday)	https://youtu.be/qTcZnqdk-Iw https://youtu.be/2_Fr1IK7DA8 https://youtu.be/SouYHH8eI9w https://youtu.be/o_HV4aZZAng https://youtu.be/4Ek8Cqy_GXI https://youtu.be/Gc5v6CeK6iY https://youtu.be/WDcXMkpppX8 https://youtu.be/7oqGwa09Rbg	
15	Assignment 6			Assignment-6 document	
16	Final Project	Deploy a Highly Available Wordpress Application	Introduced on Day 2	Final project document	
17	Wrap-up	Wrap-up meeting	Day 5 (Monday) @9PM IST Discuss Final project		Wrap-up meeting video recording