1 AWS CLOUD TRAINING MODULE

1.1 LEARNING OBJECTIVES

- Cloud Computing
- Basic Architecture
- Availability zones and Regions
- Elastic Compute Cloud (Ec2)
- Elastic Block Store (EBS)
- Amazon Machine Images (AMI)
- Virtual Private Cloud (VPC)
- Security Groups
- Identity Access Management (IAM)
- Lambda
- CloudWatch
- Elastic Load Balancing
- Route 53
- Amazon S3
- Relational Database Service (RDS)

1.2 LEARNING RESOURCES

1) Introduction: https://www.youtube.com/watch?v=wWeyzYzd17o
2) EC2: https://www.youtube.com/watch?v=8TlukLu11Yo&ab_channel=Simplilearn
3) VPC: https://www.youtube.com/watch?v=gUesnoDzNr4
4) IAM: https://www.youtube.com/watch?v=3y596T1eH_8&ab_channel=StephaneMaarek
5) Lambda: https://www.youtube.com/watch?v=97q30JjEq9Y&ab_channel=Simplilearn
6) Elastic Load Balancing: https://www.youtube.com/watch?v=YO4L_9poF3g&ab_channel=Simplilearn
7) Route 53: https://www.youtube.com/watch?v=BtiS0QyiTK8&ab_channel=Simplilearn
8) Amazon s3: https://www.youtube.com/watch?v=ISLeMRUUL5g&ab_channel=Simplilearn
9) Relational Database Services:
   https://www.youtube.com/watch?v=YVe9amIjgaw&ab_channel=Simplilearn

1.3 REFERENCE

1) https://www.tutorialspoint.com/amazon_web_services/index.htm
2) https://www.javatpoint.com/aws-tutorial
3) https://www.edureka.co/blog/amazon-aws-tutorial/

1.4 ASSIGNMENT

Host a web application using the following services: EC2, EBS, RDS

- Must use AWS-RDS for database instead of installing database in Virtual Machine

- Open port 22 in such a way that it can be accessed from 1 IP
- Open port 80 and it can be accessed from anywhere