**NAAN MUDHALVEN**

**CLOUD ESSENTIALS**

**FINAL PROJECT**

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**NAAN MUDHALVEN – CLOUD ESSENTIALS**

**FINAL PROJECT**

Problem Statement:

Arun J is a newbie to the cloud computing domain; he is exploring AWS and is comfortable with creating most of the AWS services. However, he struggles in creating a Virtual Private Cloud (VPC) using the console in the AWS platform. He would need you to assist him in creating a Virtual Private Cloud. While creating a VPC make sure that you:

• Create an Amazon VPC using the VPC wizard, and it should be displayed on the dashboard

• Associate an Elastic IP address with it

• Explore various resources of VPC such as Internet Gateway, NAT Gateway, Subnets, Security Groups

• Launch a NAT Gateway so that internet access is provided to private resources

• Introduce a Public subnet for resources facing the internet such as a web server and a Private subnet for resources at the back end such as database server

• Define security groups with appropriate inbound rules

• Ensure proper routes and corresponding Route tables entries specifying the traffic moving out of the subnet

• Make use of Network ACLs for controlling inbound and outbound traffic in the VPC

AMAZON VPC DASHBOARD :





























