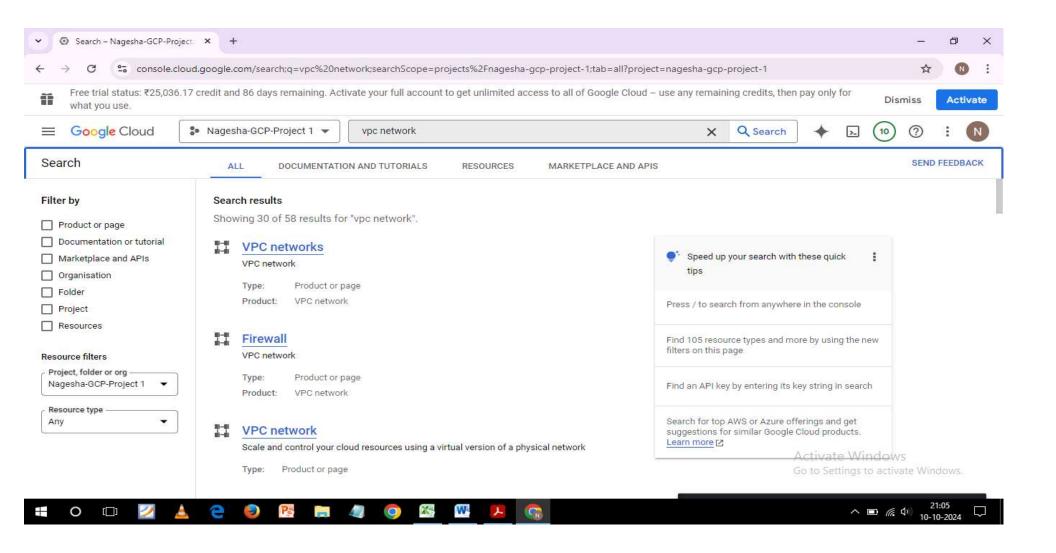
GCP Architect Training

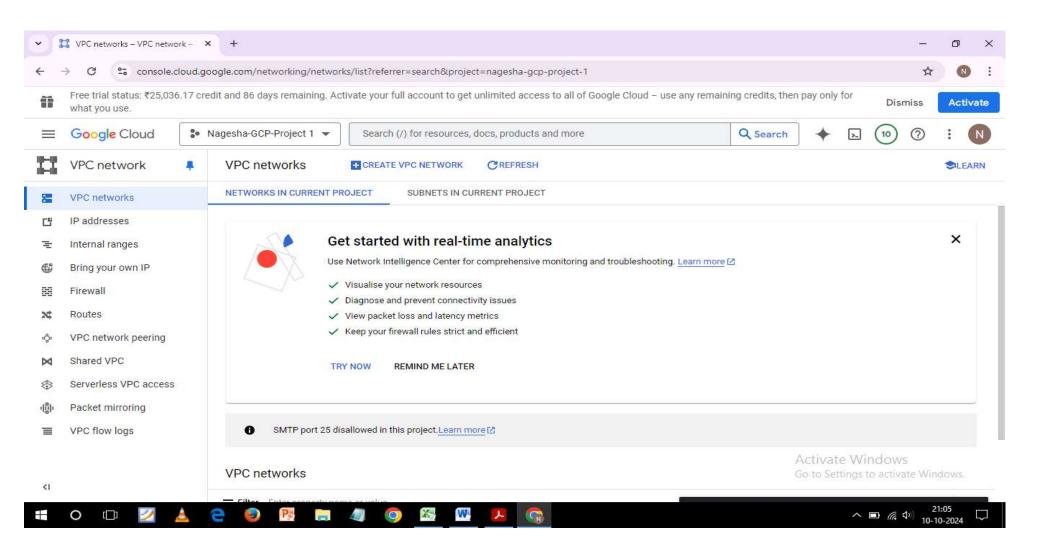
support@intellipaat.com - +91-7022374614 - US: 1-800-216-8930 (Toll Free)

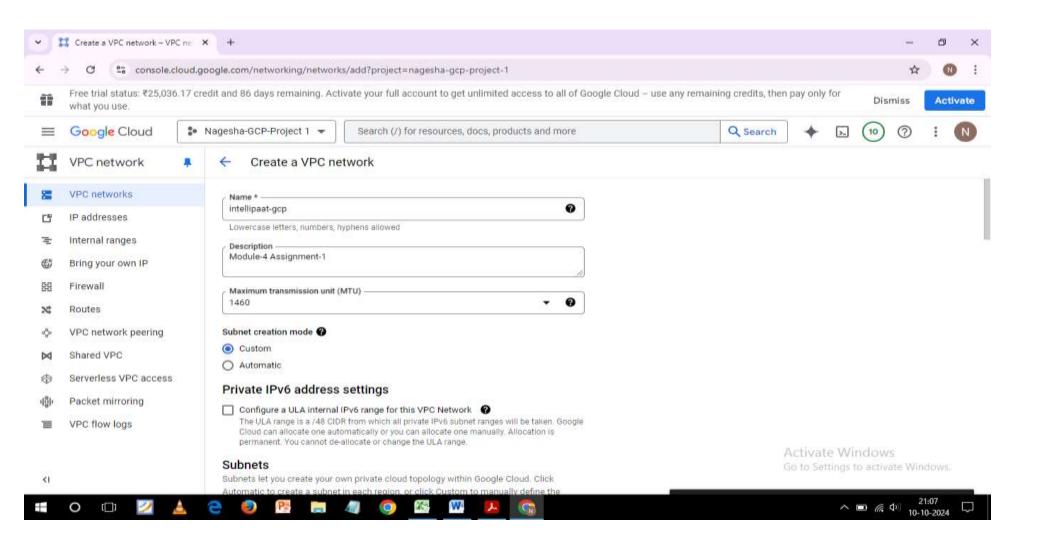
GCP-Module-4-Assignment-1-GCP Networking COMPLETED by Nagesha KS Please check the following screenshots for each question.

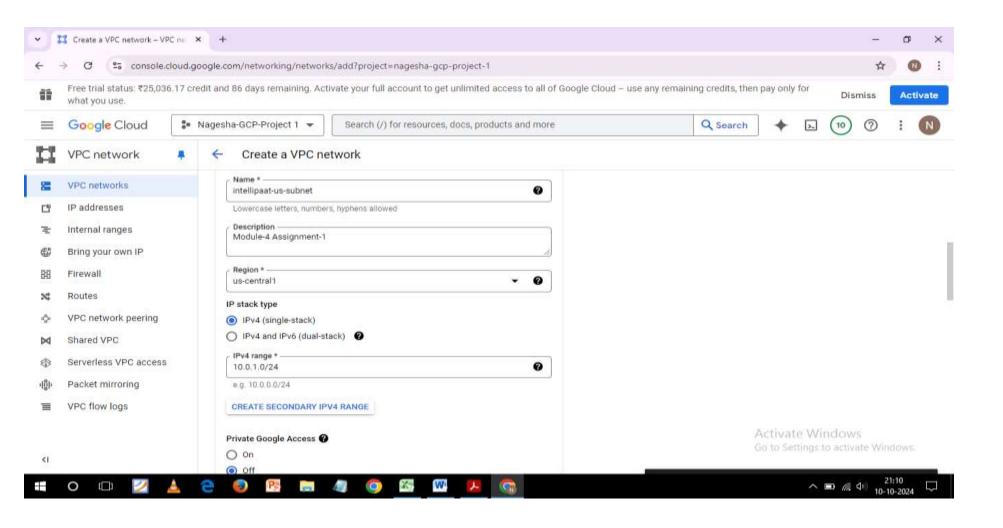
Tasks To Be Performed:

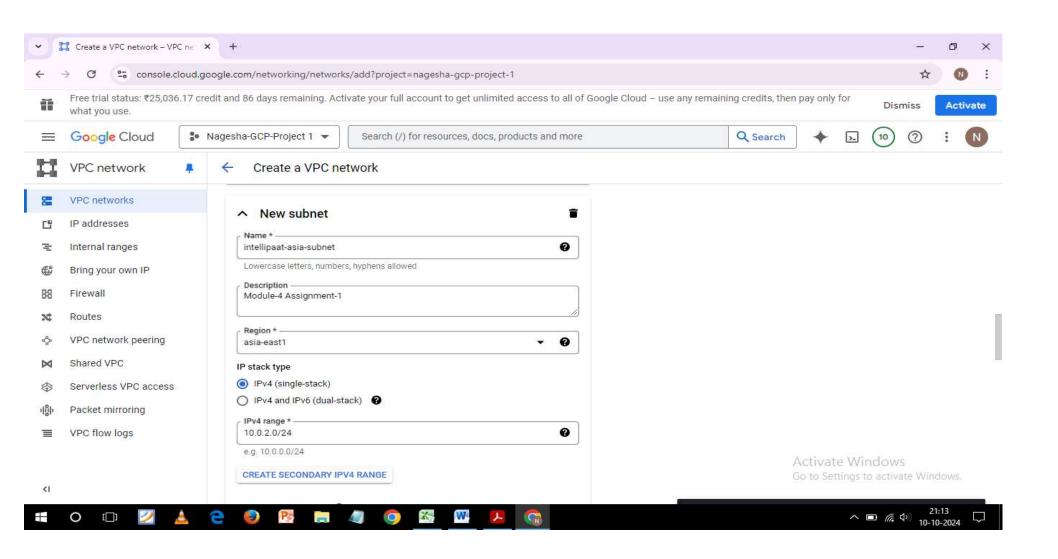
- 1. Create a custom VPC named 'intellipaat-gcp'.
- 2. Create **2 subnets** in any region in the **US and Asia**.
- 3. Do the settings as such that VMs deployed in these 2 subnets are able to ping each other.
- 4. Create another VPC 'custom-gcp' with the above architecture and deployment in a separate project
- 5. VMs between these **two projects** should be able to **ping each other**.

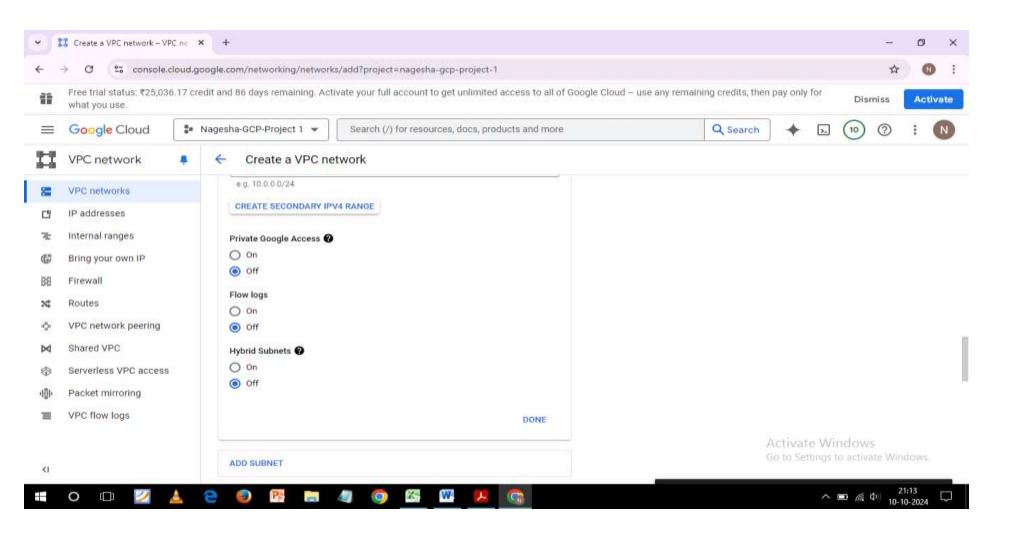


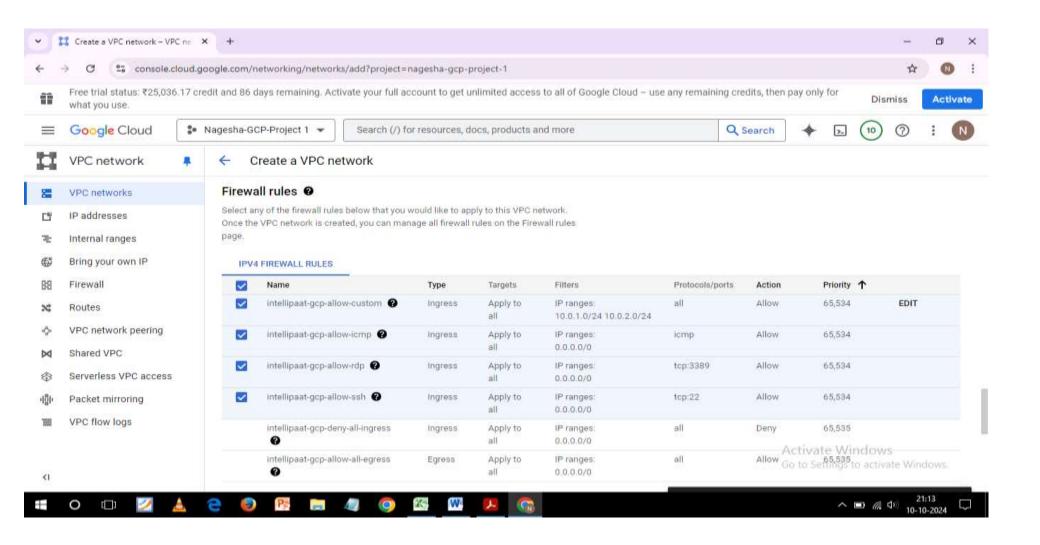


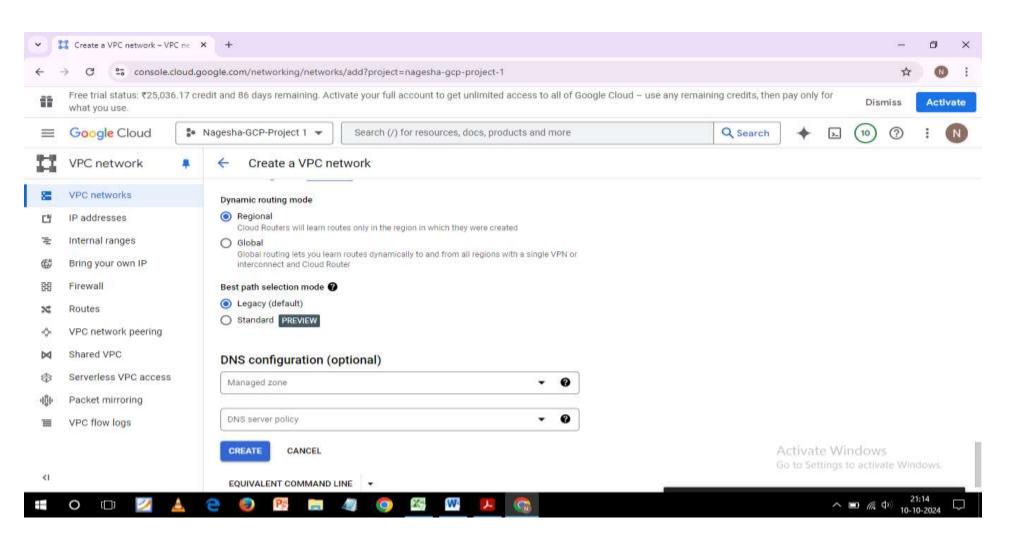


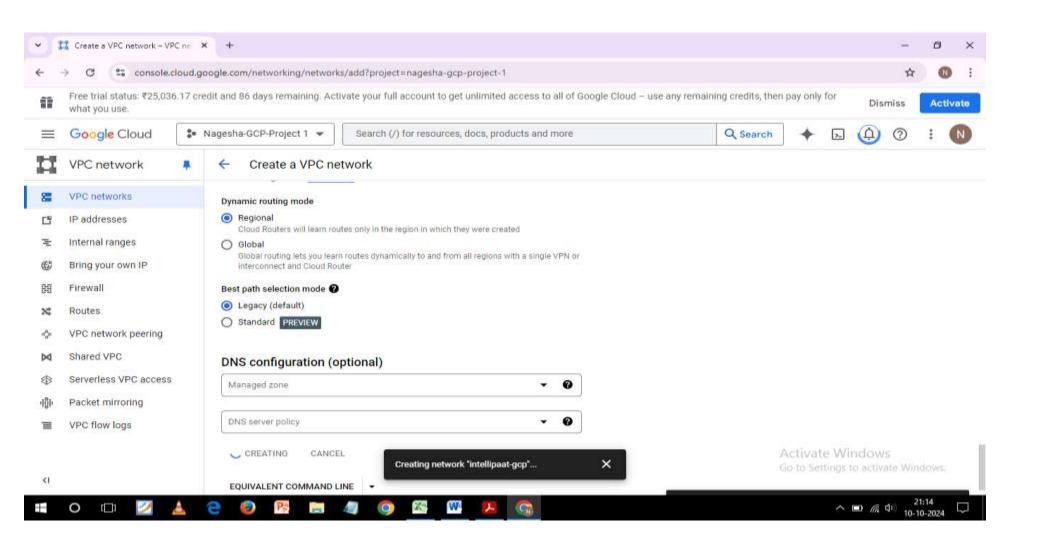


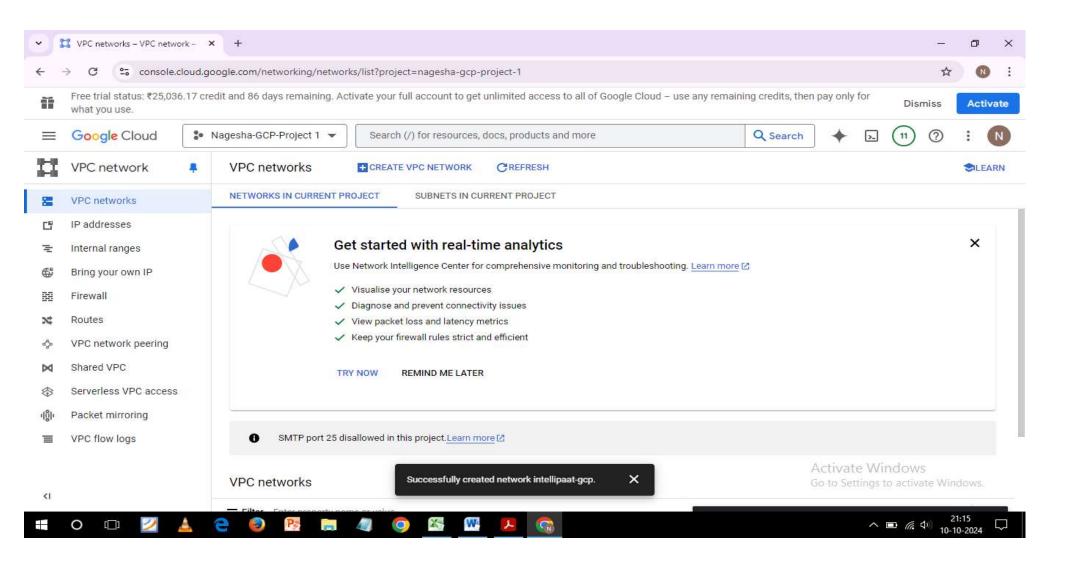


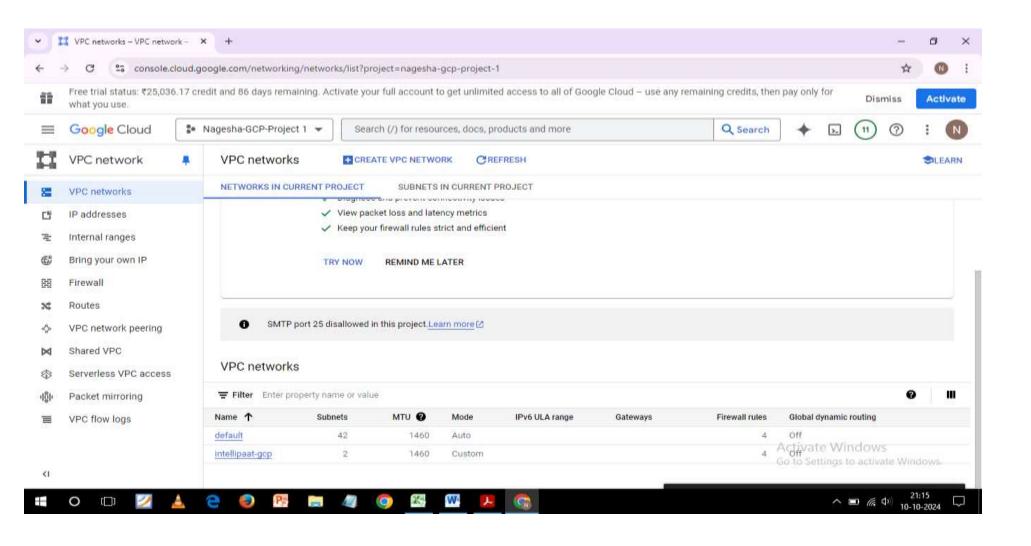


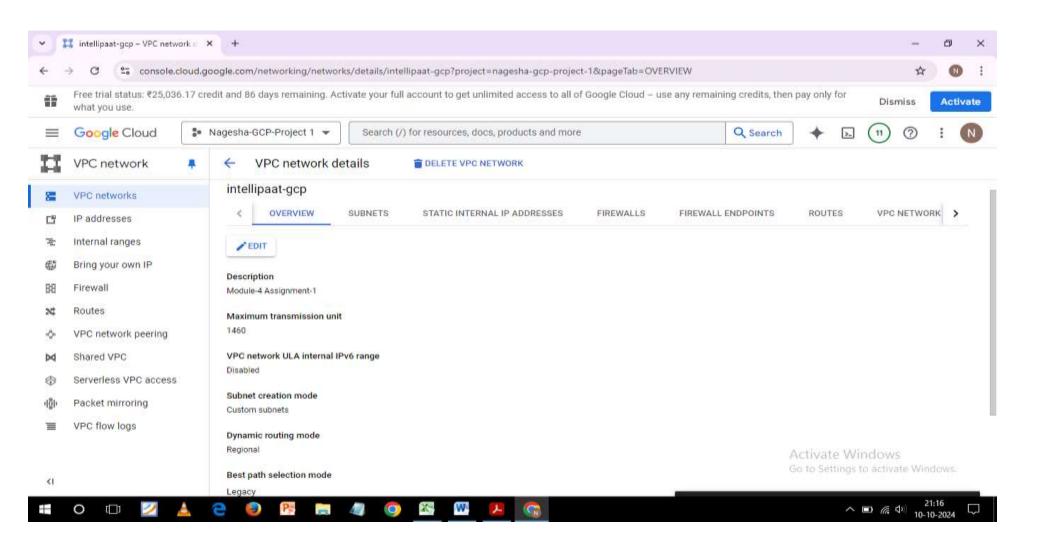


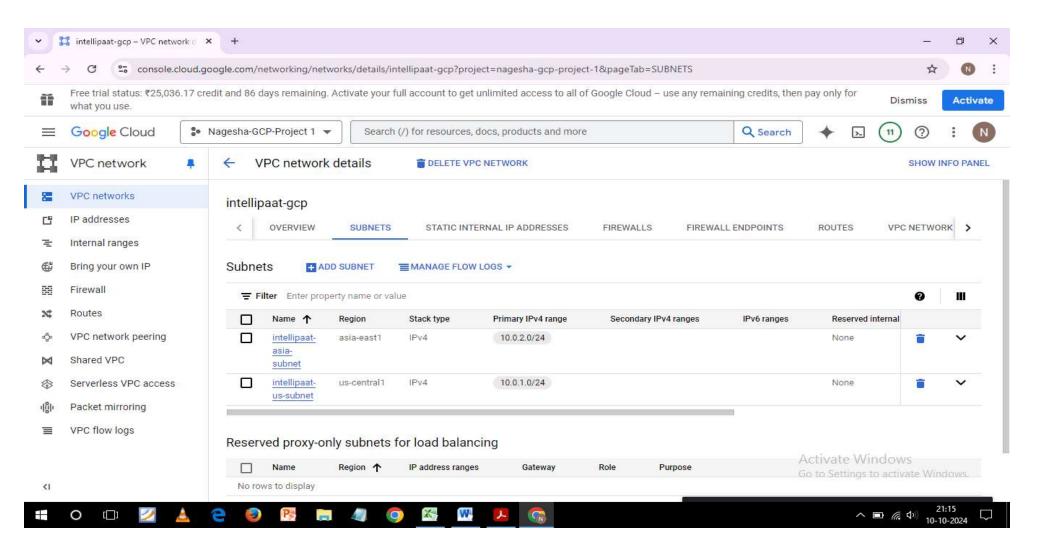


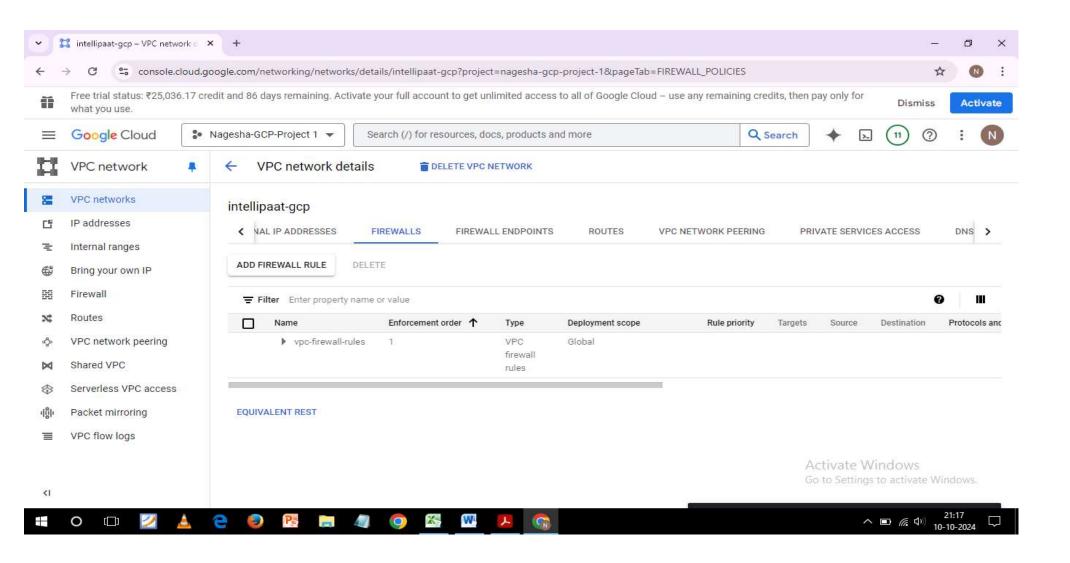


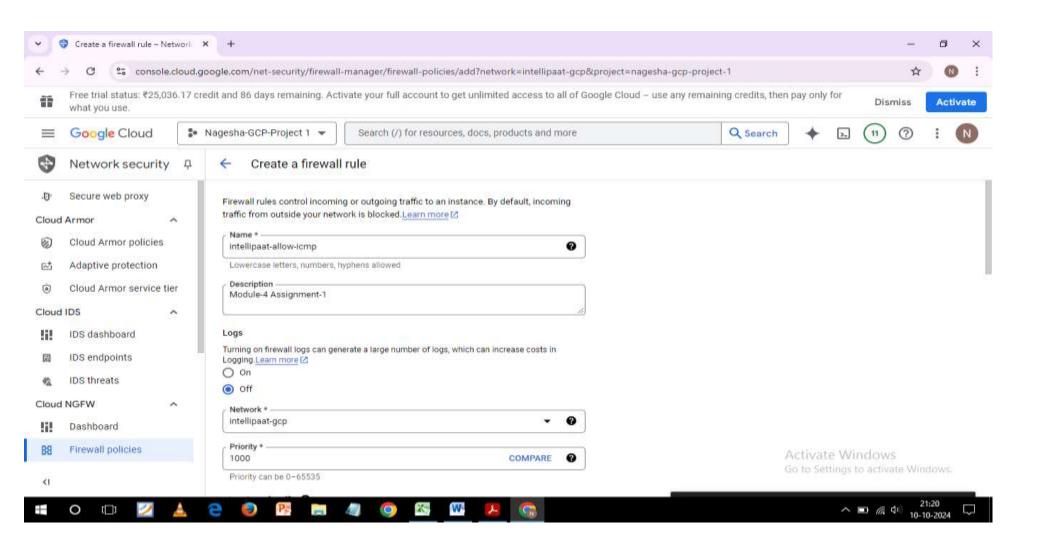


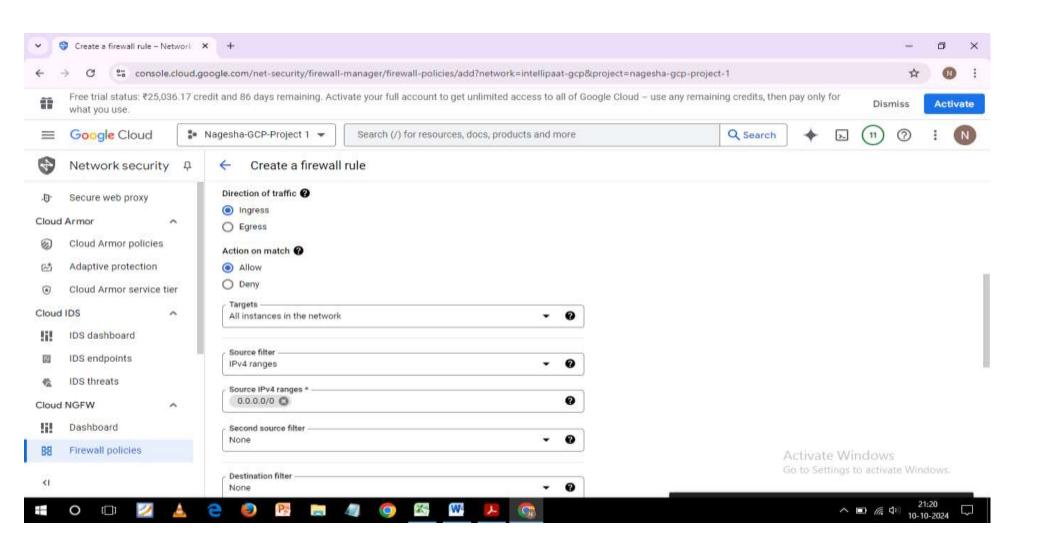


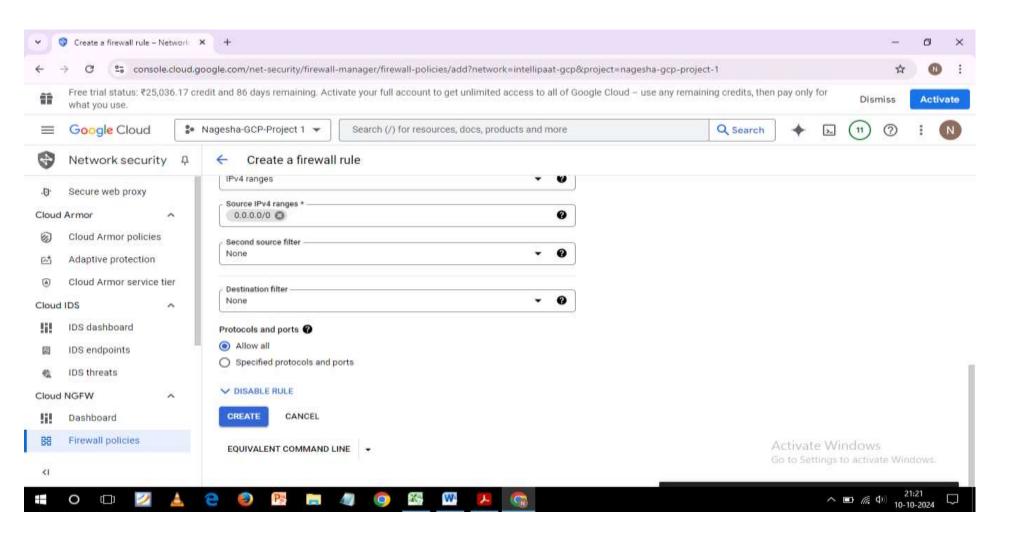


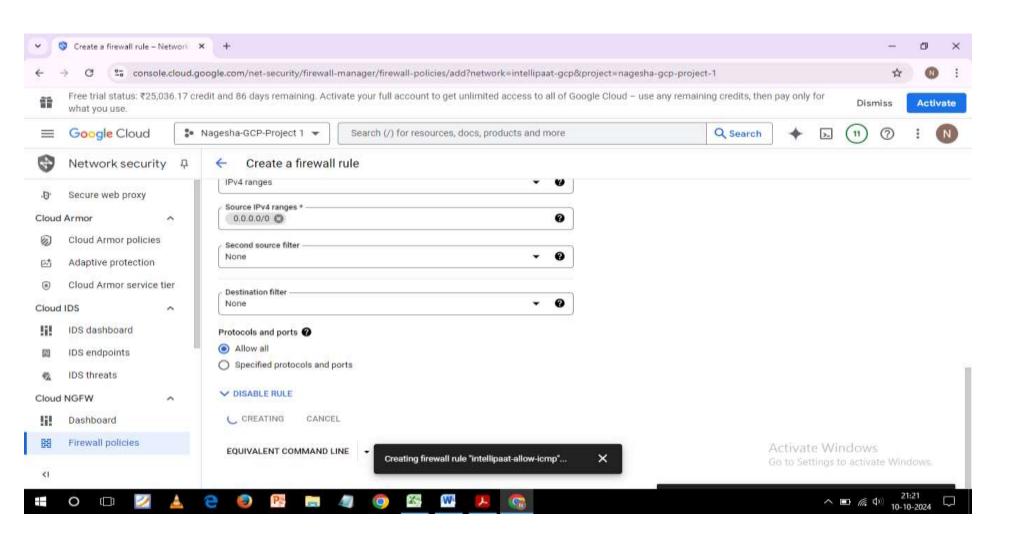


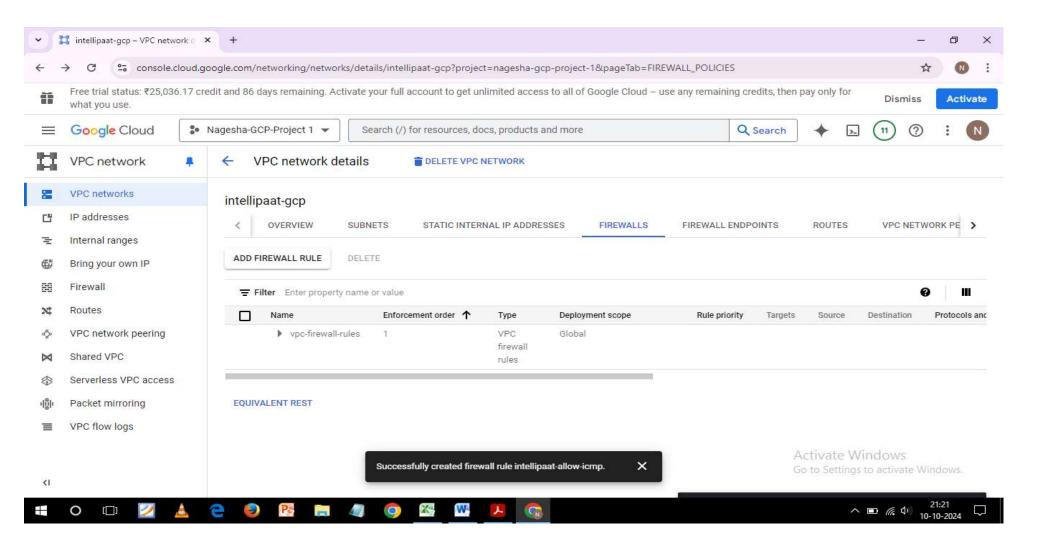


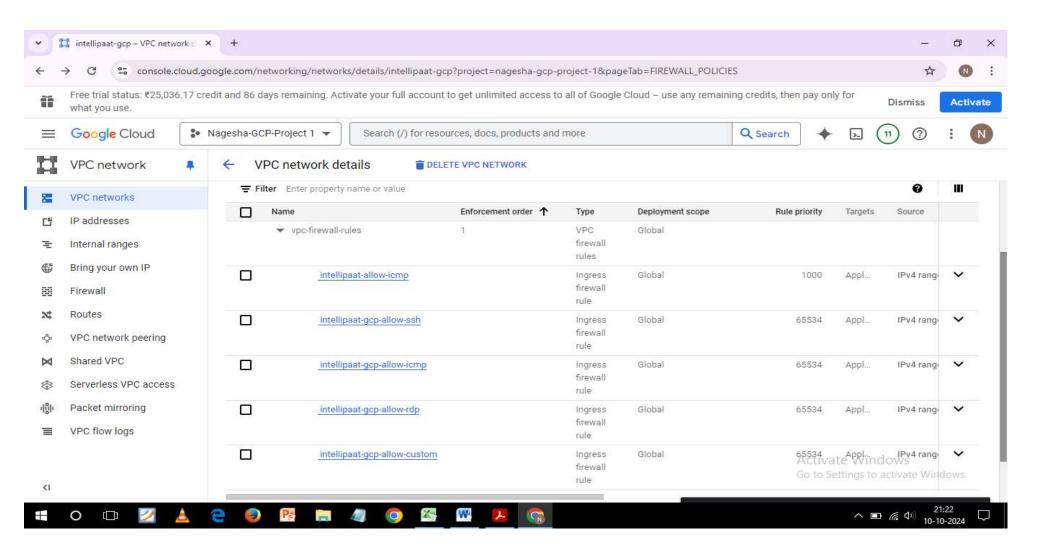


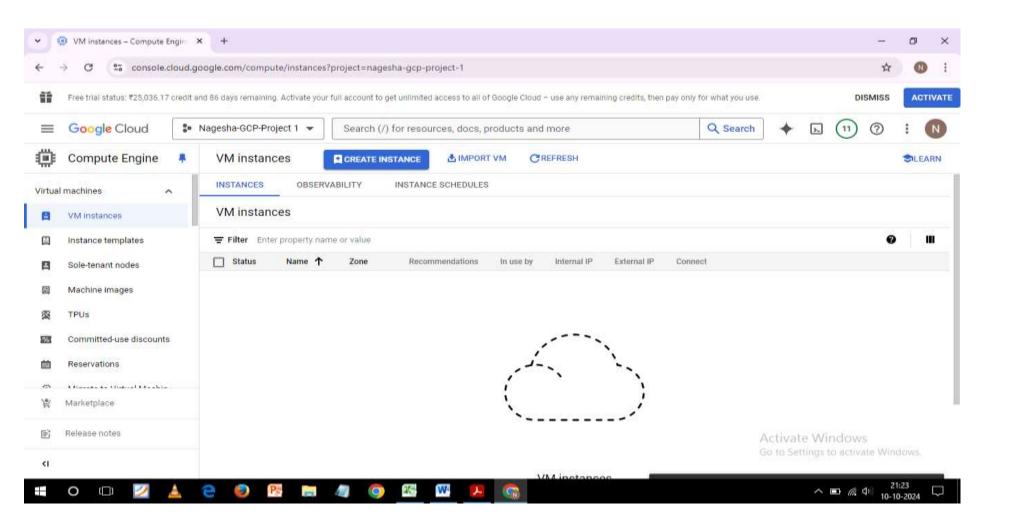


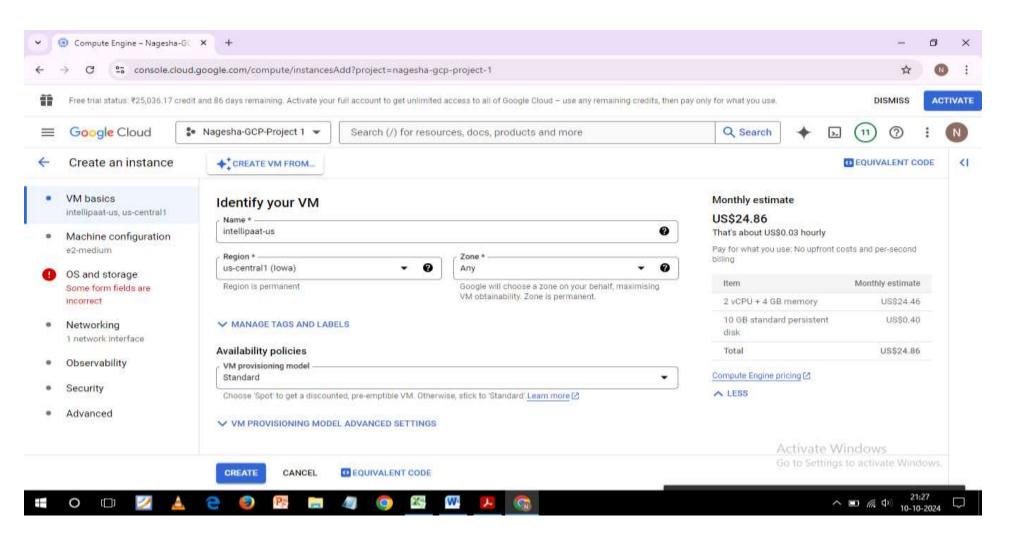


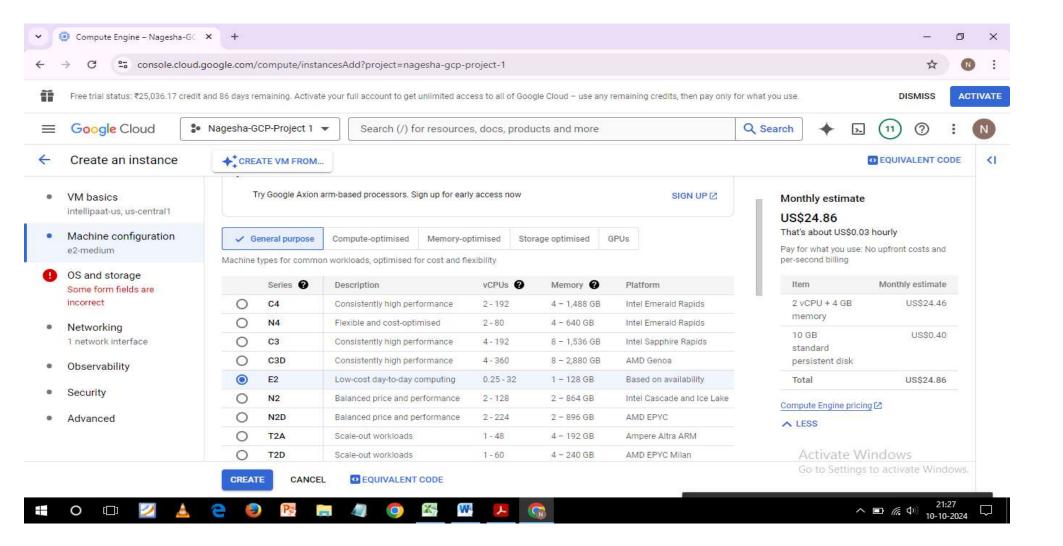


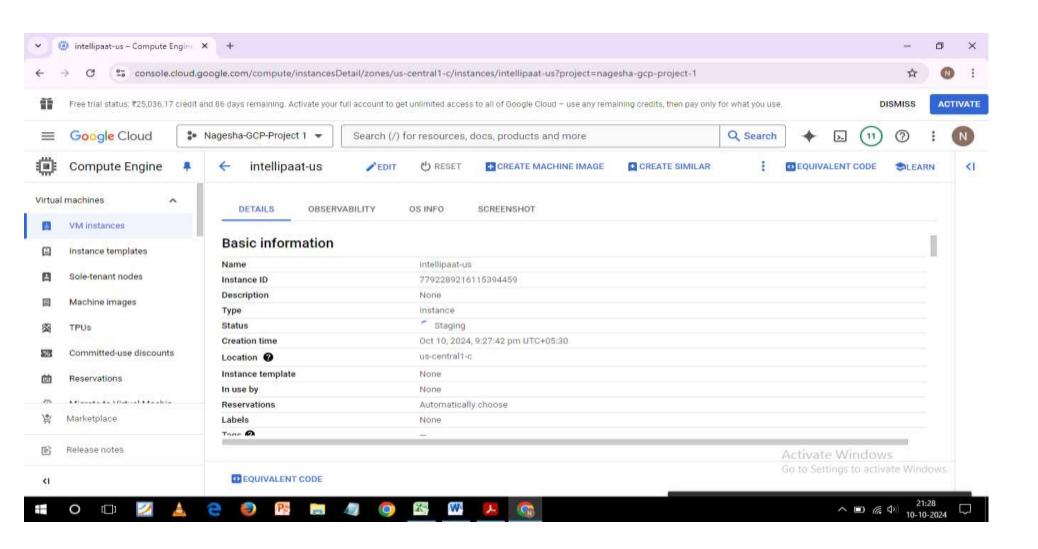


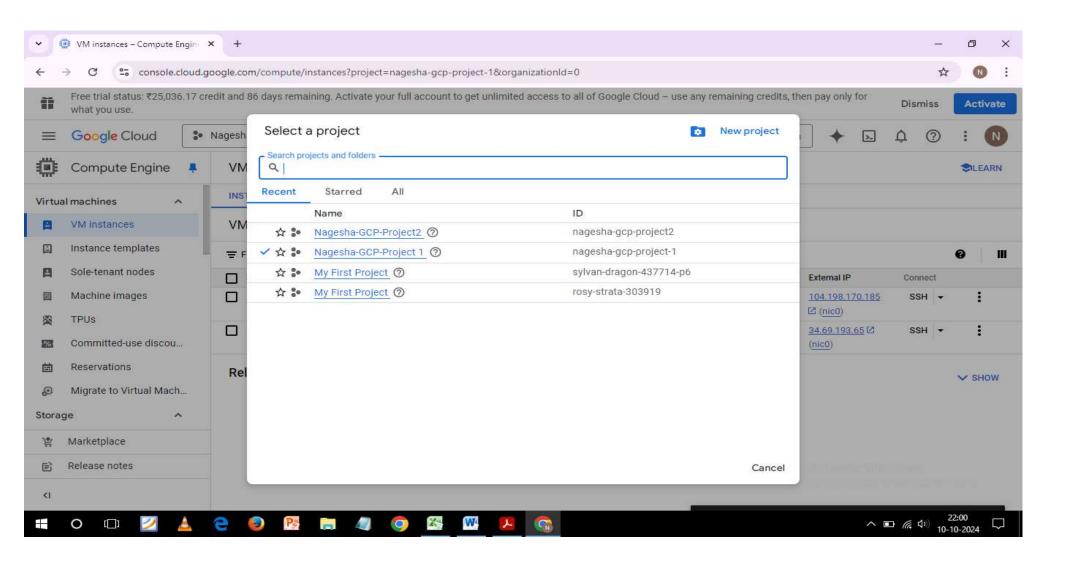


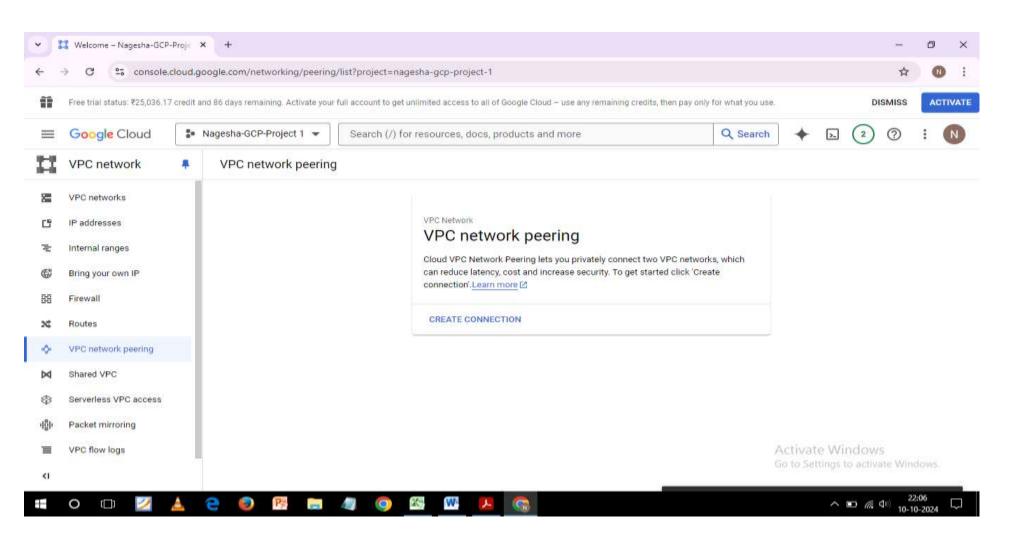


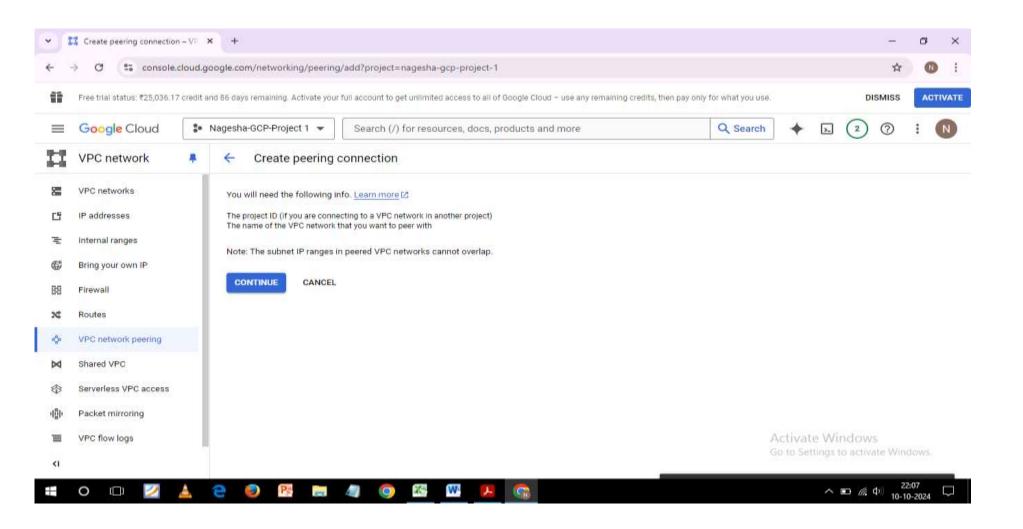


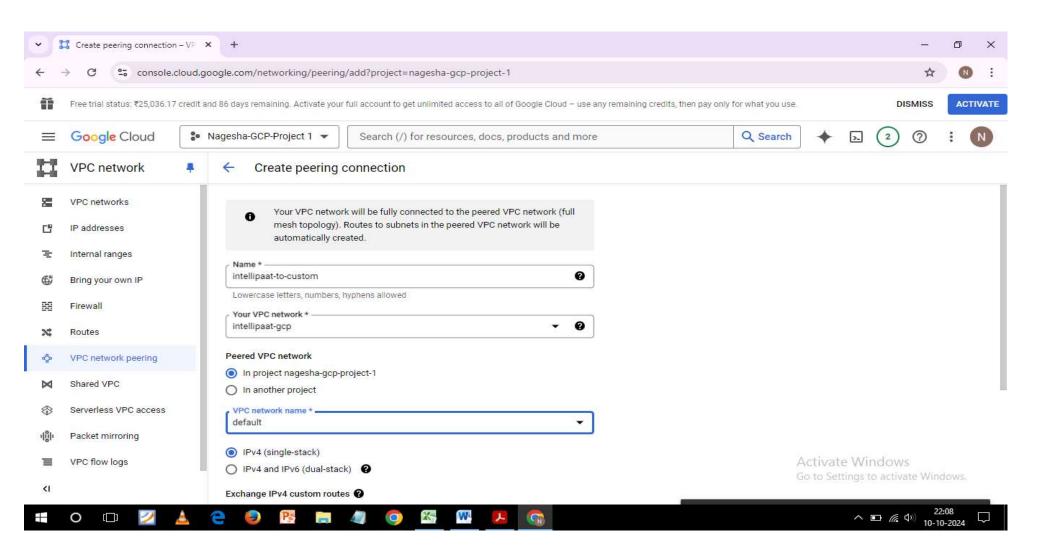


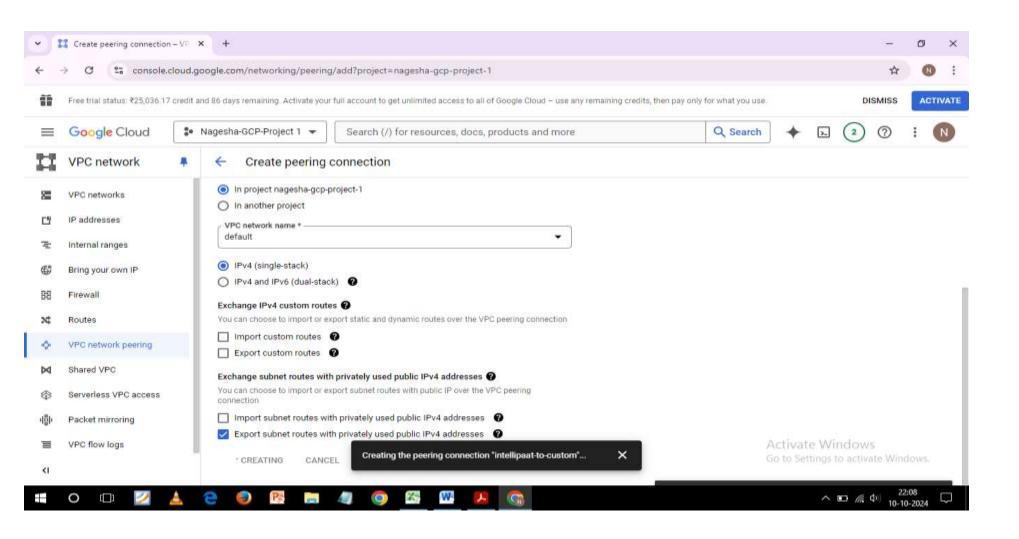


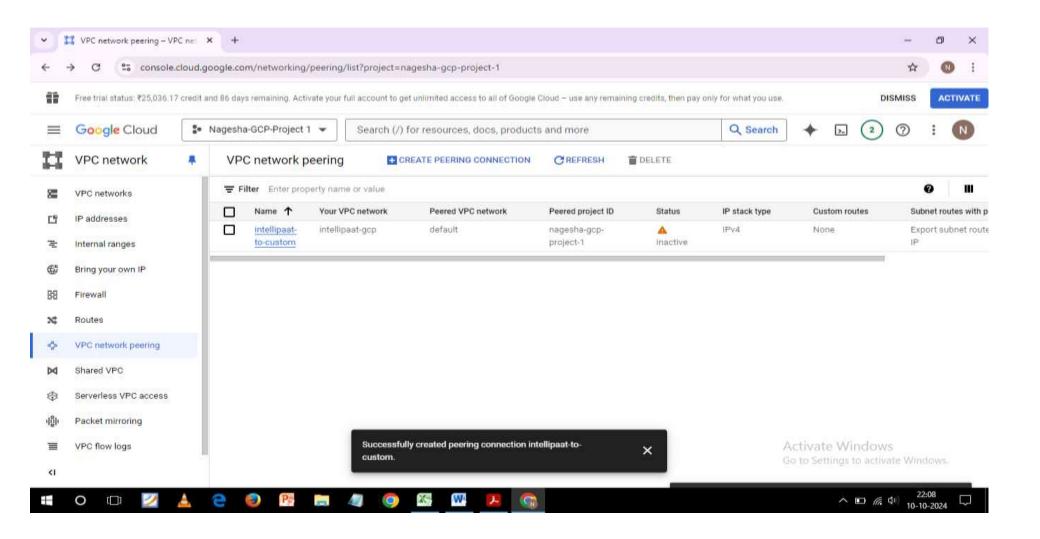


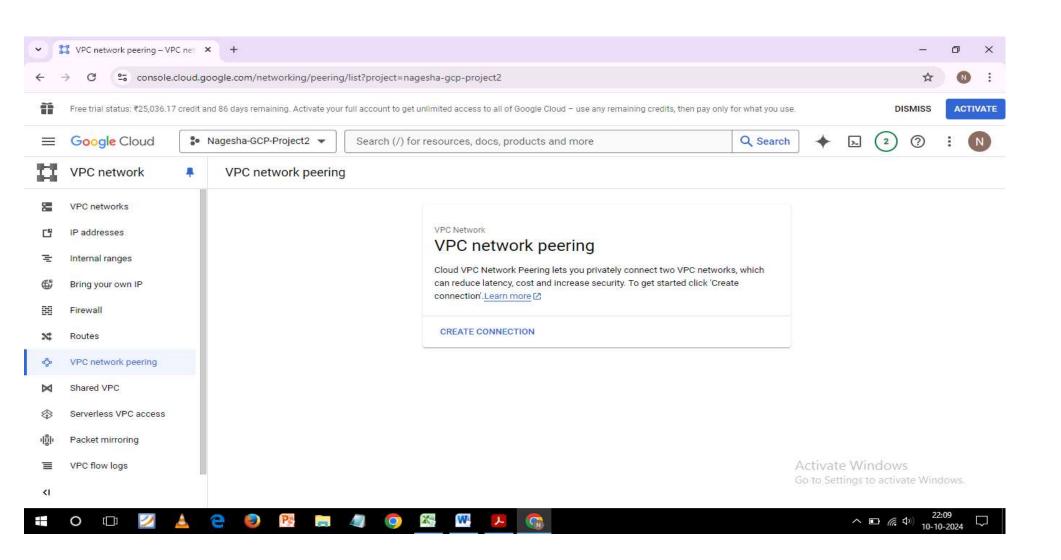


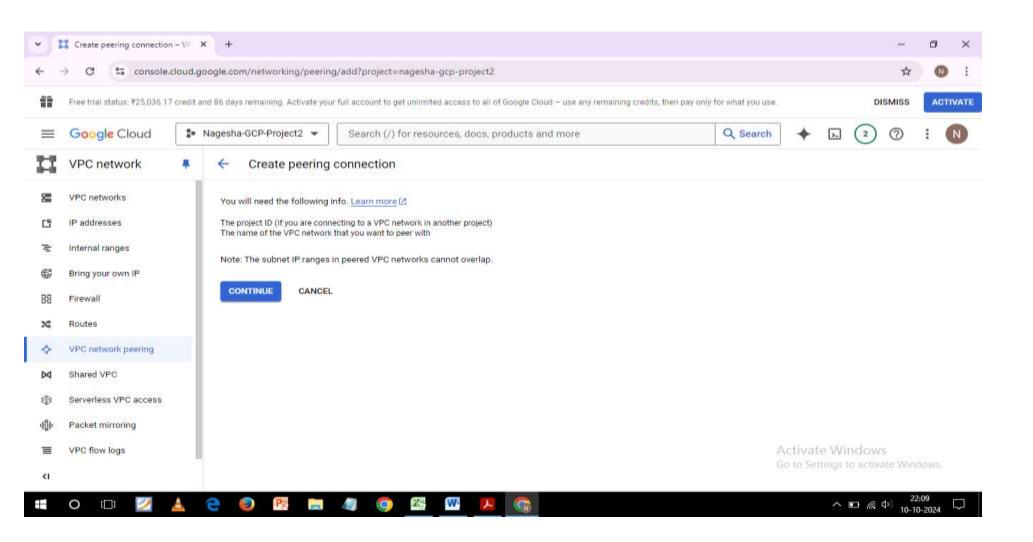


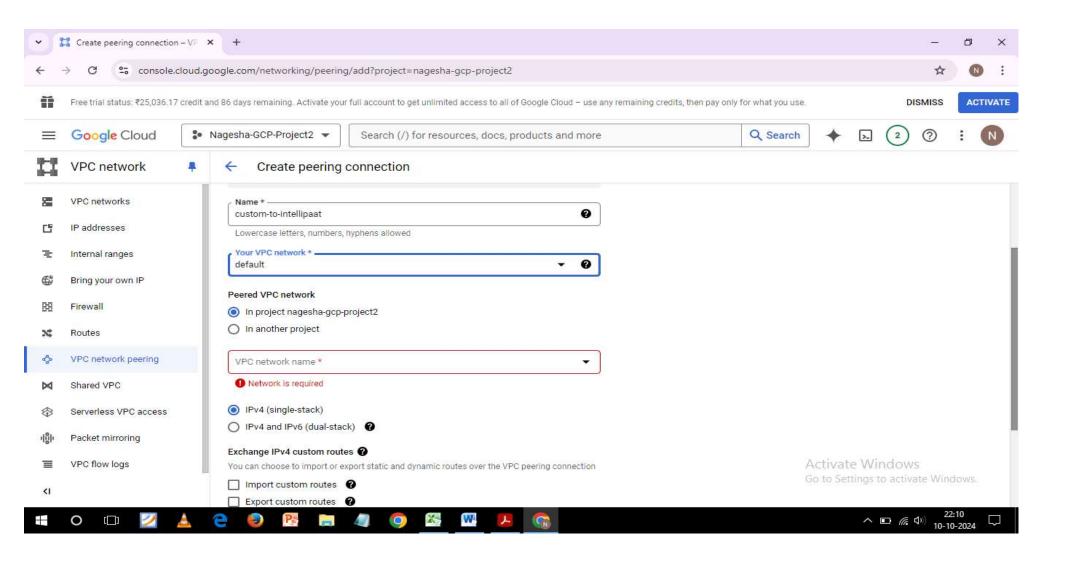












Commands

Created a Custom VPC Named intellipaat-gcp

Go to **VPC Network** > Click Create VPC Network

Created Two Subnets in the US and Asia

Go to **VPC Network** > Click Create Subnet

Subnet Name: intellipaat-us-subnet1

Region: us-central1

IP Address Range: range 10.0.1.0/24
Subnet Name: intellipaat-asia-subnet

Region: asia-east1

IP Address Range: range 10.0.2.0/24

Communication Between VMs in Different Subnets, so configured Firewalls

Go to VPC Network > Firewall Rules > Create Firewall Rule

Name: intellipaat-allow-icmp **VPC**: Select intellipaat-gcp.

Targets: All instances in the network.

Source IP Range: 0.0.0.0/0 (for full network access). **Protocol and Ports**: Choose **ICMP** to allow ping requests.

Go to the Compute Engine > Create two VMs

VM1 in the intellipaat-us-subnet **VM2** in the intellipaat-asia-subnet

Create Another VPC custom-gcp in a Separate Project: Nagesha-GCP-Project2

Nagesha-GCP-Project2, go to **VPC Network > Create VPC Network**

Name: custom-gcp

Created two subnets with firewall custom-us-subnet in us-central1

custom-asia-subnet in asia-east1

Created two VMs:

VM1 in custom-us-subnet

VM2 in custom-asia-subnet

VMs to Ping each othre between the two Projects

Go to VPC Network > VPC Network Peering > Click Create Peering Connection

Peering Name: intellipaat-to-custom

VPC Network: intellipaat-gcp. **Peer VPC Name**: custom-gcp.

In the custom-gcp project, go to VPC Network Peering > Click Create Peering Connection

Peering Name: custom-to-intellipaat

VPC Network: custom-gcp.

Peer VPC Name: intellipaat-gcp.

In both VPCs (intellipaat-gcp and custom-gcp), go to Firewall Rules for CMP

SSH into the VMs from both VPCs

ping command to test connectivity between VMs across projects.