**CONCLUSION & FUTURE SCOPES:**

The main theme of our project is to maintain the web applications run without any down time even when the number of users using the application is more may be in billions. AWS provides auto scaling that is, addition of new servers that maintains the same web application details when the C.P.U percentage gets increased and deleting the newly created servers when the usage is normal and load balancing features, By using these services provided by AWS, it costs less while compared to maintaining the physical servers, payable as per our usage, monitored 24/7 without any down time.

Using IOT sensors we can get the information regarding ATMOSPHERE details such as Temperature, Humidity, Raining Status.

Finally, there is a clear need to better understand and design networked systems that are both robust to variations in the components and secured networks. We have provided some security features in On-Premises such as PORT-SECURITY, DHCP Snooping, SITE-To-SITE-VPN, Securing Cisco IOS and Configurations. Leaving the default configurations may cause cyber-attacks so preventing our infrastructure from these attacks proves to be a well secured network.

**FUTURE SCOPES:**

Our project can be very useful for those who are new to this digital world, who wants to establish a new e-commerce website and wants to deploy every possible security for the website including load balancing and Auto scaling. Beside this it’s very useful for the people who don’t know about MySQL or database its security and implementation of these.

Hence its will be surely be recognized one day as a main step for developing website for an individual and throughout IOT project we can also make our website connected with IOT devices.

Developing big e-commerce website or any multimedia streaming website or any web related project can be made by just deploying with better security for any individual. It could also be used in Colleges, Universities or any other sector.

Eg: DB Migration & IPS