Name: Sourabh. Chardhan ROU: ADOS. Cloud Computing - Practical 1 1) Cloud Compiding Architecture Good Computing means storing and accessing the data and programs on remote sever that are hosted on the internet instead of computers hard drive or local sener. It is a model at delivering computing senices over the internet where resources such as sener, storage, database, software and application The cloud architectur is divided into 2 parts 1) Frontend 2] Backend Client Infrastricture [Internet] Application Senice BACKEND Cloud Rentime Storage Infrashichie

- D Frontend: It refers to the client side of cloud computing system.

 Meas it conscius all the user interface and application which are used by client to access the cloud computing resources.
- Backend: It refers to cloud itself which is used by service provider. It contains the resources as cell as manages the resources & provide security mechanism
- Components of Cloud Computing Architectur.
- 1) Client Infrastructur: Part of frontend component and provide GUI to intercut with Cloud.
- 2) Application: It is part of backend component that seless to software
- 3) Senice: Senice in bacherd refers to major 3 types of cloud band senice.
- 4) Rentine Chard: Provides exection and rentine platform
- 5) Storage: It provids Plexible & scalable storage service and management of stored data.
- 5) Databare: In backed seles to pride datalas her

I Jaas: - Infrastructure as a Senice is a cloud computing model that provides on demand access to computing sesources such as seniers, storage, networking and intuitivation. It is attractive because acquiring computing resources to run application or store data. The traditional way require time & capital Jaas working: It cloud computing is when
you sent access to cloud
infrastrutru resources as individual services from a cloud service provider (CSP), including servers, virtual machine and storage. It helps eliminate much of complexity and costs associated with building and maintaine physical infrastructure in on premises data center. you can access laas resources using a pay-as you-go basis, allowing you to only pay to consume the resources that you need. Adventages: Proposition of the Advanced 1) cost saving: Hups seduce your uphost capital aspenditure. 2) Increased Efficiency: Resources on regularly available to business when they need them.

3) Reliability: I aus platforms have no single pt of:

failure

4) High Scalability: capabale of automatically scale usour

Amazon Web Services is a comprehensive cloud computing platform provided by Amazon Mot offer a wide ronge of sensies for computing, storage, networking, dotabases and more

Aws is made up of many different cloud computing products and sensices.

Aws can be broken ento three main products:

EC 2, a low cost cloud storage service and

S3, amazon storage system.

Feature of Aws:-

- 1) Infrastricture as Service (Jaas): Aws provides
 Virtual machine,
 sturage & networking resources that can be acaded upldan
- 2) Platform as a Sensite (Paas): Aws offers pre configured platform for developing and deploying application such as Aws Lombda for senerless computing.
- 3) Software as a Service (Scas): Aws provides
 Software application

 such as Amazon Chine Rr vedio conferencing
 and Amazon Work Does for Document managini

Common Use Cases :-

- 2) Dorta Analytics: Process and analyse large dataset and build machine leaving model.

Aus Offers many different bods & products for enterprise and software developers en 245 countries & territies It is improject enclisided as well as publice 8 privas sector.

4) Amazon EC2

Amazon Flastie Compute Cloud (EC2) provides on demand scalable computing capacity

in Aus Choid.

Using Ecz reclicis hardware cost so you con use Amazon Ecz to town develop and daploy application faster:

then you lounch on FCZ insterner the insterner trype that you specify determine hordinal available to your ensterner.

	PAGE NO. OATE:
	Feature of Amazon EC2.
7)	Instances : Virtual servers, oldon bandon (
2)	Amazon Machine Smages (AMIS): Preconfigured templete for your insterie that package the components you need his your sens
0000	that package the components you need her your sens
3	Instance Type: Various conf & CPV, memory, storage, networking capacity etc
4)	Amazon Instance Store Volumes: Storage volume for
	Amazon Instance Store Volumes: Storage volume for temp dater that is deleted when you stop or terminate your instance.
7	Advantages SDR mount [4]

2) Scalability: El2 along you to quickly scale
your instance up or down to match

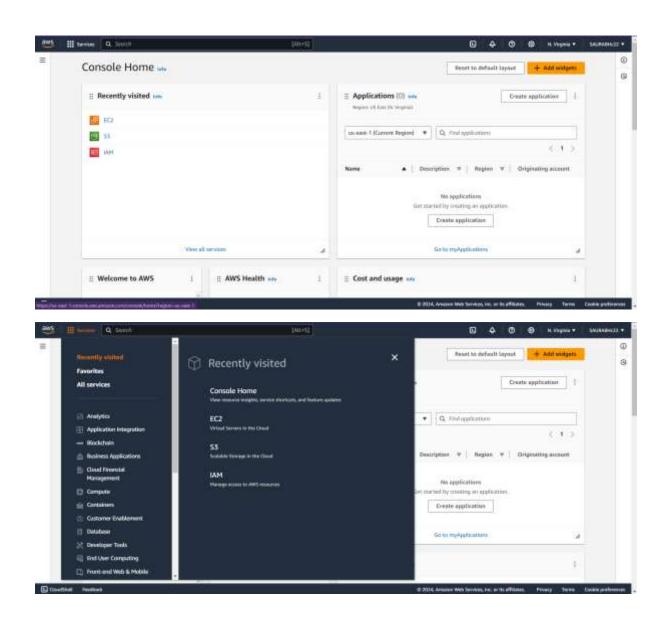
- 2) Cost Effective: EC2 provides as pay as you go
 pricing model, which can help you
 save money compared to running own
 data center.
- 3) security: EC2 provides a range of security Security to help protect your instance and date
- u) Integration: EC2 integrates with a ronge of other Aws services encloding S3, RDS eta

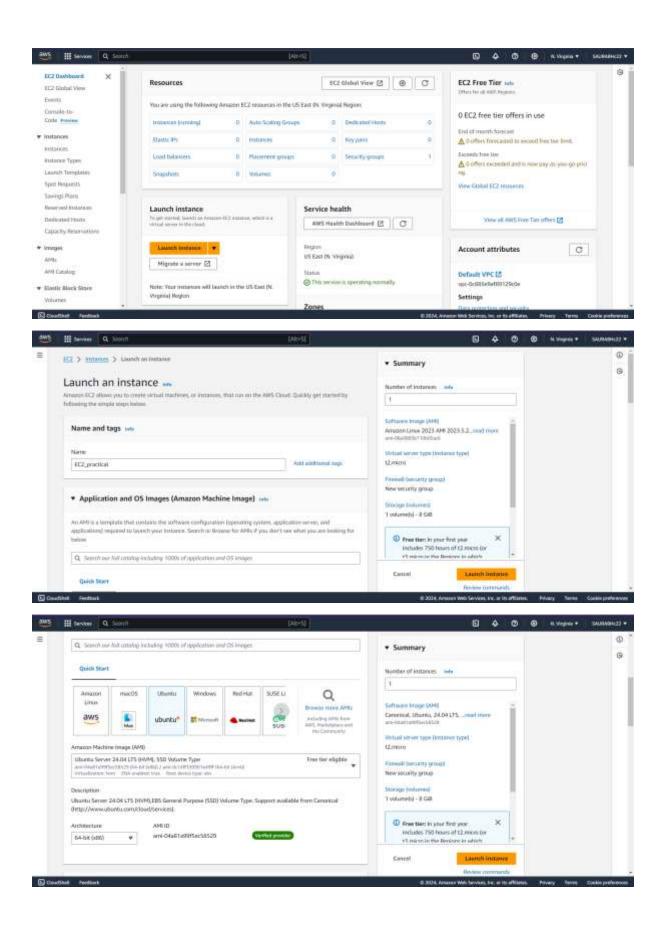
Cloud Computing Practical 1

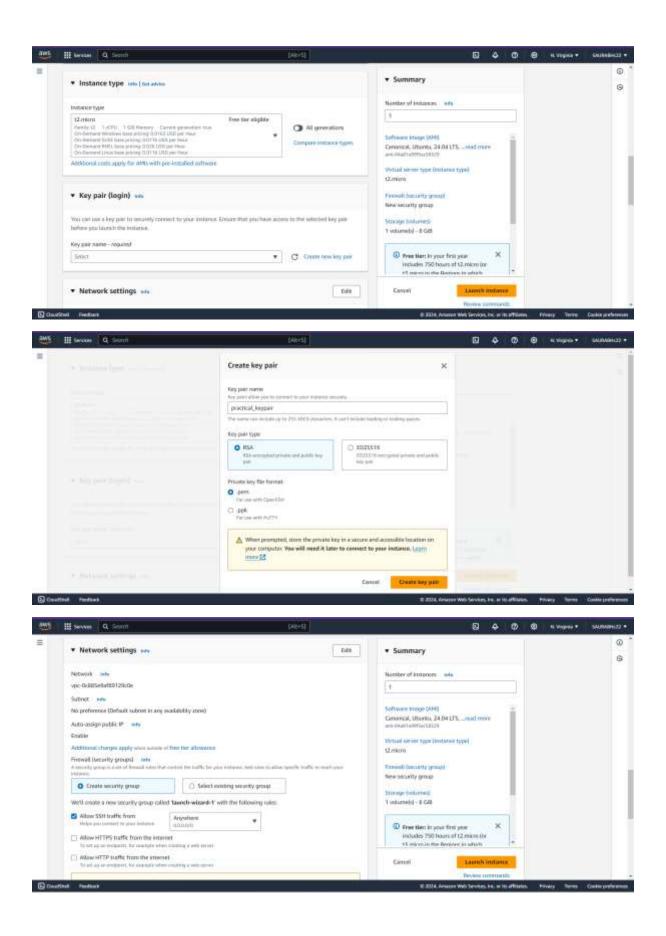
Name: Saurabh Chaudhari

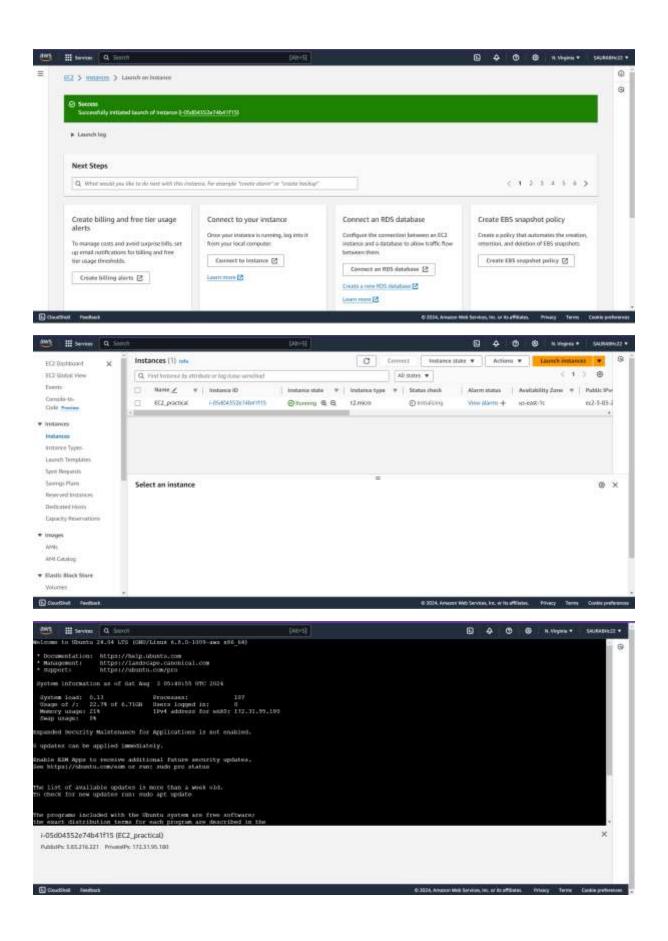
Roll no:- A005

MSc SDS 2nd Year









By Putty

