Name: Sameena Semmen RollNo: 21481A5486 Classe TV Blech (AT &DS)

Cloud Computing

(I) Explain Applications of cloud computing in Agriculture

Anse cloud computing in Agriculture : An Overview:

cloud computing in agreculture can help farmers with Smart agreculture by using cloud-based data and IOT to make data-driven product decisions.

- Here are a few ways how cloud computing empacts

agrecultures

a) Enables precesson farming tools, real-time monitoring, and accurate crop management.

6) Collects data from sensors, drones, and sakellites to optimize

resource usage and emprove crop health.

a) Allows real-time product tracking, optimizes logistics, and expands market access for emproved supply charn management.

d) Access to real-time data and predictive analytics enhances decession-making and minimizes risk.

Applications of cloud computing in Agriculture:

1) It captures Crop Information co en agreculture can gather all the data on crops grown recently. Therefore, using cloud computing in agriculture can assest farmers in determining what to plant next on a given prece of land

2) 2t Grathers Soil Information cloud-powered applications for agreculture focus on collecting sort prformation. These applications are designed to Polentery sort profeles and their past trends, thus significantly helping farmers understand future trends.

3) It captures Cultivator's Data -

Authorities can necord, monther and investigate the activities and involvement of local cultivators. This application of cloud computing in agriculture helps in identifying core agricultural areas that policymakers may utilize to develop Plans

4.) It Opens a space for Retail-

Farmers are typically unable to bring their produce to market directly. Middlemen emerge blue them and the retail market, exploiting growers. Farmers can now deliver their goods directly to retailers or end consumers using cloud technology.

5. It enables Effective Information Sharing -

Screntists working in agricultural research can use the cloud to share their Edeas and discoveries directly about adopting current agriculture and fertilizer methods.

(2) Explain Applications of coloud computing in Higher & ducation. cloud computing en the education sector becomes very popular. Et offers various online distance learning platforms and student enformation portale to the students.

-> The advantage of using cloud in the field of education is that 9t offers strong virtual classroom environments, Ease of accessibility, secure data storage, scalability, greater reach. for the students, and monal horidware requesements for the applications.

-> There are the following education applications offered by the cloudd) Google Apps for Educations

Google Apps for Education is the most widely used platform for free web-based emart, calendar, documents, and collaborative study.

, Pi, Chromebooks for Education;

chromobook for Education is one of the most impostant google's propects. It is designed for the purpose that it enhances education innovation.

The Tablets with Google Play for Education:

It allows educators to queckly proplement the latest technology solutions ento the classroom and make 1Pt available to their students.

AWS cloud provides an education-friendly environment Pu; AWS Pn Educations to unPrevites, community colleges and schools.

3. Explain Applications of cloud computing in politics. The key Applications of cloud computing in politics are t Anse

a) voter Data Management?

stores and analyzes large amounts of voter information for targeted campaigning.

b) Electron Management: Provides Scalable Antrastructure for Voting systems, voter registration, and real-time electron results.

c) Public Engagement: Supports vertual events, social medra management, and real-time communication with voters.

- d) Data Security's Ensures sensitive political data is protected with encryption and cyber security measures.
- e) cost Effectency & Reduces costs by elfmanating the need for expensive IT infrastructure.
- f) AI and Analythese Uses AP forsentiment analysis, voter behavior prediction, and traud detection.
- 9) Disaster Recovery : Provides backup and recovery to ensure political data Ps safe Pro case of fatheres or attacks.
- h.) collaborations Enables remote work and teamwork through cloudbased tools for political Staff and volunteers.