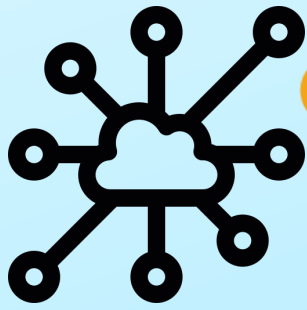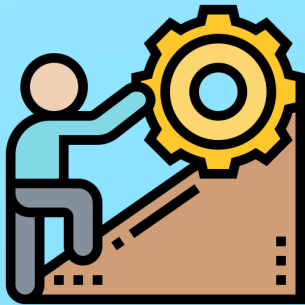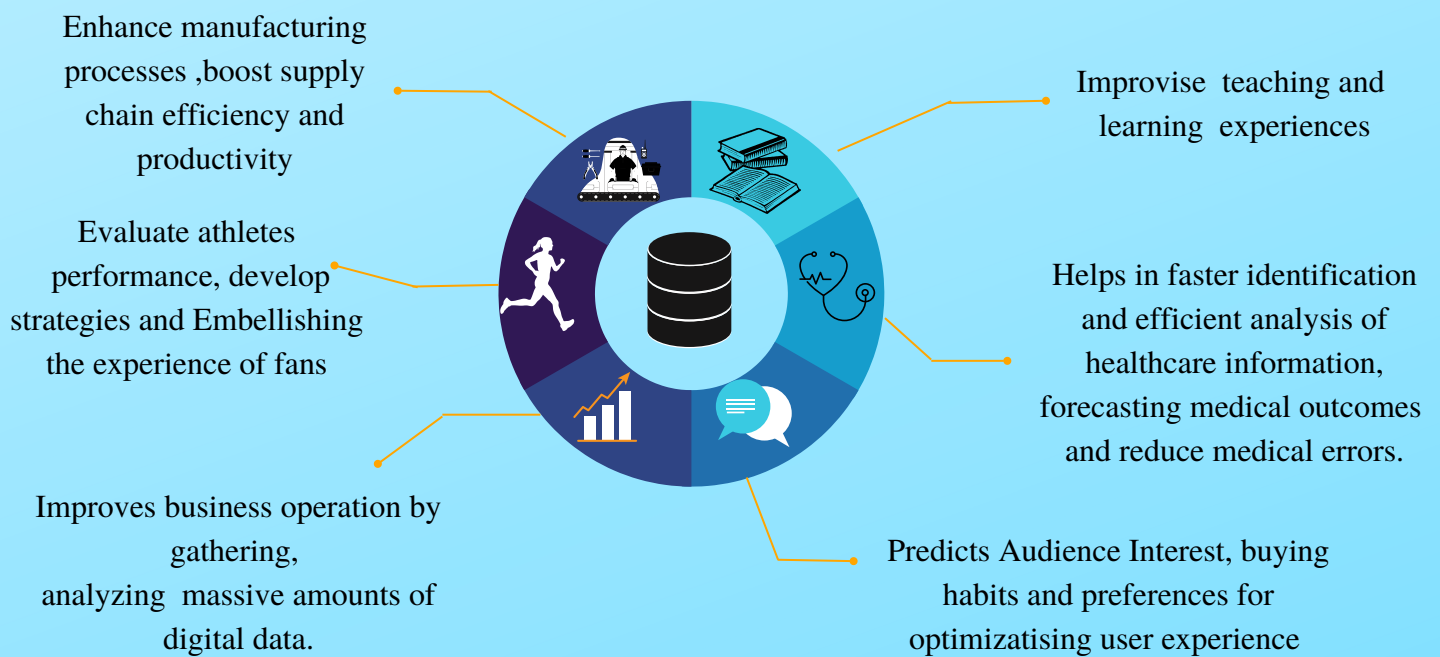# BIG DATA

The Next Essential

Its Challenges and Solutions

Big Data is data that is too large, complex and dynamic for any conventional data tools to capture, store, manage and analyze.

Applications in diverse sectors

Big data presents great opportunities in a number of areas

Enhance manufacturing processes ,boost supply chain efficiency and productivity

Improvise teaching and learning experiences

Evaluate athletes performance, develop strategies and Embellishing the experience of fans

Helps in faster identification and efficient analysis of healthcare information, forecasting medical outcomes and reduce medical errors.

Improves business operation by gathering, analyzing massive amounts of digital data.

Predicts Audience Interest, buying habits and preferences for optimizatising user experience

Key Challenges

faced while leveraging big data:

1 Security And privacy

2 High expenses

3 Storage

4 Lack of Expertise

5 Issue In Data Scaling

6 Data Cleanup

Solutions

How to overcome Challenges

Implementation of capable and cost effective tools

Data Visualization

Recruitment of skilled professionals and organizing training programs.

Cybersecurity professionals, Data Encryption techniques, Implementation of Real Time Cyber Security Monitoring

Cloud Computing (Public and Private Cloud)