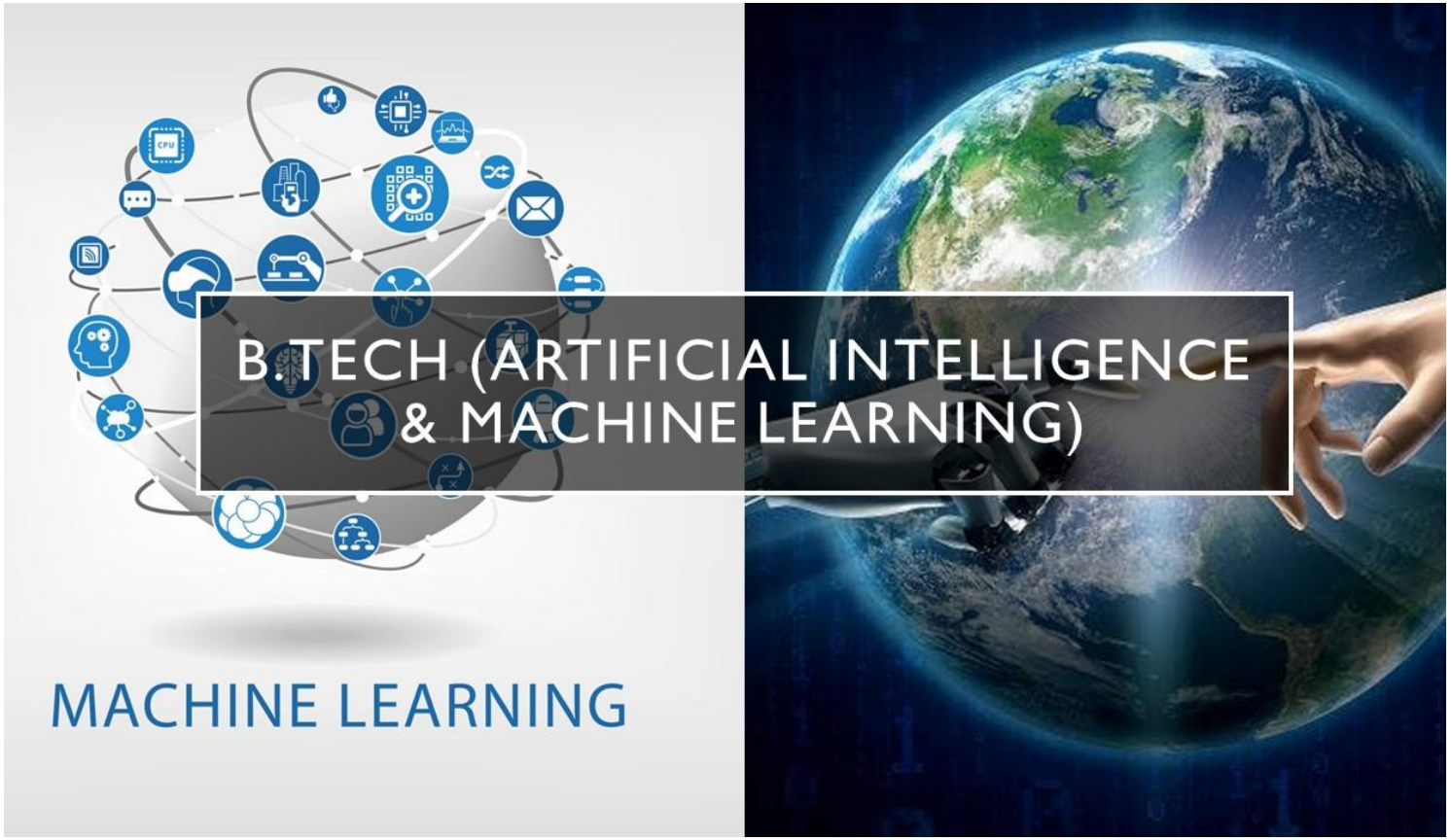
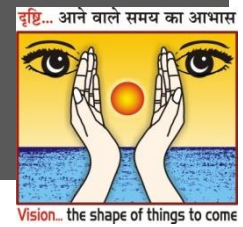
B.TECH (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)



- Artificial Intelligence involves all those things, in which we can make our computers do the job, that human does. The purpose is to imitate natural intelligence to solve complex real world problem.
- Machine Learning is making a machine learn on its own without being explicitly programmed. It is an application of AI that provides system the ability to automatically learn and advance from experience. As per the Gartner prediction, by 2020, customers will manage 85% of their relationship with the enterprise without interacting with a human.



SUPERVISED LEARNING

Supervised machine learning algorithms can apply what has been learned in the past to new data using labeled examples to predict future events. Starting from the analysis of a known training dataset, the learning algorithm produces an inferred function to make predictions about the output values. The system is able to provide targets for any new input after sufficient training. The learning algorithm can also compare its output with the correct, intended output and find errors in order to modify the model accordingly.

UNSUPERVISED LEARNING

Unsupervised machine learning algorithms are used when the information used to train is neither classified nor labeled. Unsupervised learning studies how systems can infer a function to describe a hidden structure from unlabeled data. The system doesn't figure out the right output, but it explores the data and can draw inferences from datasets to describe hidden structures from unlabeled data.

Application of Artificial Intelligence

FACEBOOK AUTO TAGGING FEATURE:- The logic behind facebook Deep mind face verification system is machine learning and neural networks. Deep mind studies the facial features in an image to tag your friend and family.

Applications of Machine Learning

Everything is a Recommendation

NETFLIX'S RECOMMENDATION ENGINE

Recommendations are driven by machine learning algorithms

Over 80% of what members watch comes from our recommendations

DRIVERLESS OR SELF DRIVEN AUTONOMOUS CAR

- One of the most remarkable applications of Machine Learning is the self-driving or autonomous car. While ML is a crucial component of the centralized electronic control unit (ECU) in an autonomous car, efforts are being made to integrate ML even further in self-driving cars to shape them state-of-the-art creations

CAREER OPTIONS AFTER PURSUING B.TECH CS (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

- Machine Learning Engineer
- Data Scientist
- Artificial Intelligence Engineer
- Data Analyst
- Machine Learning Architect

TOP EMPLOYERS FOR STUDENTS COMPLETING B.TECH CS (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

- Software companies like Google, Microsoft, Oracle, Wipro, TCS
- Cloud companies like AWS, Microsoft Azure, Alibaba, & IBM
- Consultancies like Price Waterhouse Coopers (PwC), Ernst & Young (E&Y), Deloitte, and KPMG & Boston Consulting Company (BCG)
- Retail Companies like Amazon, Wal-Mart, Costco, Tesco, Carrefour, etc.
- Manufacturing & Industries
- Marketing Companies
- Banks & NBFCs.
- Hospitality & Travel Sector