ASSIGNMENT 3

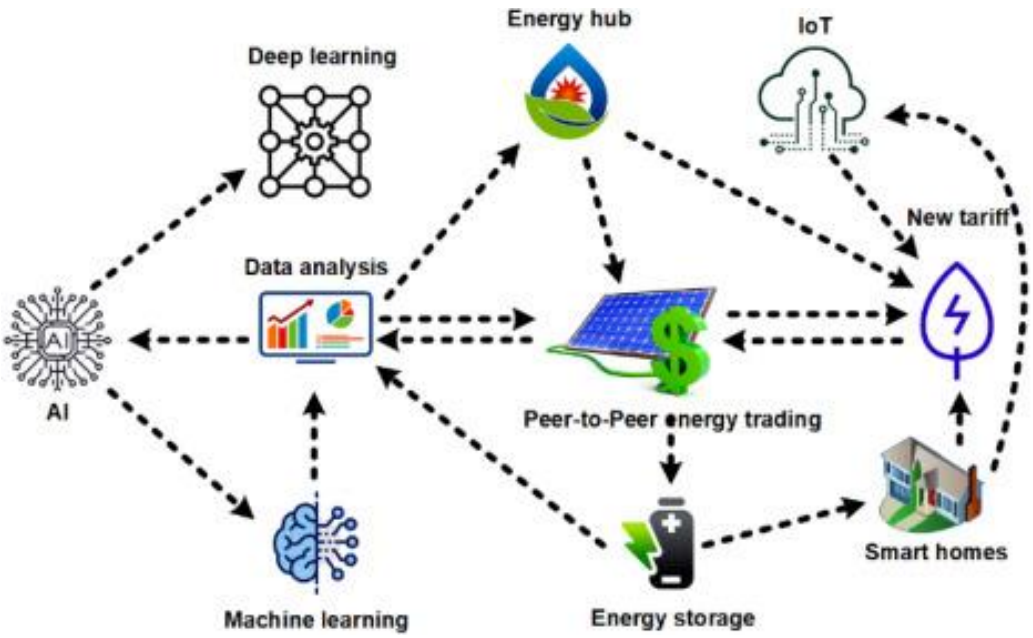
Assignment Date	**9 November 2022**
Student Name	**SUBRAMANI B**
Student Roll Number	**715319106005**
Maximum Marks	**2 Marks**

INTRODUCTION

AI is made of a variety of ideas and methodologies used in I o T networks. Fuzzy logic and neural networks are two of the most important approaches used in artificial intelligence to make the system more trustworthy. AI is used to prevent highly clever personnel by utilizing seasoned and super systems based on supporting and training data. Through taught systems, AI enables efficient Machine-Machine communication. AI technology enables computers to become intelligent using educated data algorithms and software, enabling the machine to make decisions on its own. AI technology consists of a variety of techniques such as natural language processing and reasoning principles that are used to make systems smarter. AI is a branch of study that involves computers utilizing technology to provide the best answer to is concerned with human qualities like as thinking and intellect, as well as the application of intelligence to specific situations to create an intelligent machine.

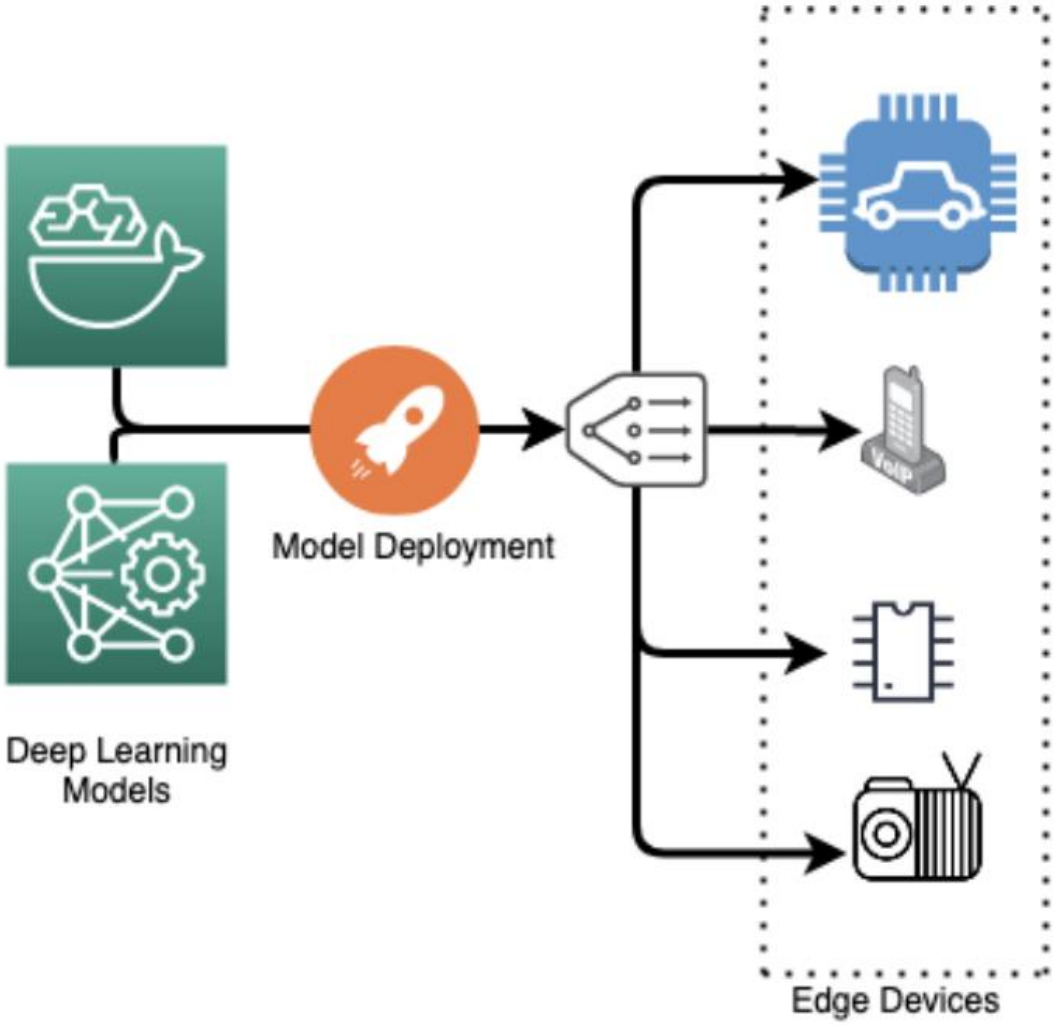
Machine Learning

It is a topic that is being discussed more and more in the field of artificial intelligence. This is still referred to as "statistical learning." The computer world, and specifically the field of m, refers to a process of development, analysis, and implementation. Execution results in the formation of structured processes. Simply described, it is a type of programmed that enables a computer or machine to execute automated learning to perform a variety of extremely complex activities. The goal is to enable the machine or computer to solve complex issues by digesting an enormous amount of data.



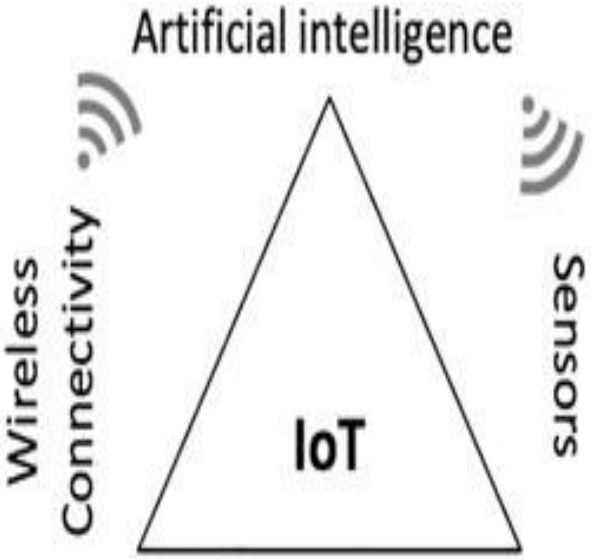
Deep Learning

The term "Deep Learning" refers to a subfield of Machine Learning. It is a subset of machine learning-based artificial intelligence. To grasp the concept of Deep Learning, it's necessary to first grasp the concept of machine learning. Typically, deep learning occurs in two stages. The first step is to estimate a model using data, referred to as observations, that are available and in finite quantities throughout the system design phase. [18] Model estimate entails resolving a practical problem, such as translating a speech, estimating a probability density, identifying the presence of a cat in a photograph, or operating an autonomous car. This phase is referred to as "learning" or "training." It occurs prior to the model being used in practice. The second step relates to the production setting: the model is determined; additional data can then be submitted to reach the desired output. In practice, certain systems can continue to learn after they are put into production, if they have a mechanism for measuring the quality of the outcomes produced.



CONCLUSION

Artificial Intellect (AI) endows machines with the same intelligence as a human being, including the ability to learn, train, and execute. This article examined the components of AI-based systems and the many types of AI systems. The essential AI training methods are provided, and the differences between them are illustrated with examples. Finally, this study discussed the major obstacles and prospects associated with the project management of AI and other technologies. Machine learning and deep learning are extremely powerful tools that enable a variety of tasks, such as data classification, teaching a programmed from experiments and developing an evolutionary programmed that is constantly improving.



Digital Transformation in Personalized Medicine

Real-Time Measurement of Patients' Experiences & Real world Clinical Outcomes