

# **Applications of Artificial Intelligence & Associated Technologies**

## **PARTICIPANTS:**

K. Mohan Sai

P. Syam Sundar

JNTU No:15341A0491

JNTU No: 15341A04C4

Branch: ECE

Branch: ECE

E-Mail: kottapallimohansai491@gmail.com    E-Mail: potnuru.syamsundar@gmail.com

## **ABSTRACT:**

Artificial Intelligence(AI) is defined as intelligence exhibited by an artificial entity to solve complex problems and such a system is generally assumed to be a computer or machine. It is the intelligence which is displayed by machines, in contrast with the natural intelligence displayed by humans and other animals. It is the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages. Major sub-fields of AI now include: Machine Learning, Neural Networks, Evolutionary Computation, Vision, Robotics, Expert Systems, Speech Processing, Natural Language Processing, and Planning. This paper reviews the meaning of artificial intelligence and its various advantages and disadvantages including its applications. Artificial Intelligence in the form of neural networks and expert systems has applications in almost all human activities. The combination of high precision and low computation time makes AI a cutting edge technology. It also considers the current progress of this technology in the real world and discusses the applications of AI in the fields of heavy industries, gaming, aviation, weather forecasting, expert systems with the focus being on expert systems. The paper concludes by analyzing the future potential of Artificial Intelligence.