

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic Year** | **Module** | **Assessment Number** | **Assessment Type** |
| S20 | Concepts and Technologies of AI | A1 | Individual Report |

Student Id : [NP03S200047]

Student Name : [Amrit–Dhakal]

Section : [DC14]

Module Leader : [Kritika Tuladhar]

Lecturer : [Kritika Tuladhar]

Submitted on : 06-04-2020

AI & Ethics of AI

**Acknowledgement**

I would like to express a deep sense of thanks to my module leader Mr. Prakash Gautam and to my project guide (lecture and tutor) Sachin Kafle and for providing the guidelines and lecturer. Your constructive advice and constant motivation have been responsible for the successful

completion of this project. I also thanks to my parents for their motivation and support. I must thank to my classmates for their suggestion. Last but not the least I would like to thank all those who had helped directly or indirectly towards the successful completion of this project.

**Amrit Dhakal**

# 1. Introduction

Artificial intelligence or AI coined by computer scientist John McCarthy in 1956 is the science that deals with making device to think creatively like human do. The main aim of AI is to make computer and devices to take decision like human, logically by learning, creative thinking and reasoning. Gaming, natural language processing, robot etc. are the output of AI. The AI system is developed by using the tools of statistics, probability and economics so, it can be considered as the combined field of science, mathematics, psychology, linguistics, philosophy and many more. (Selvamanikkam, 2018)

# 2. Background

The concept of AI came from the Greek mythological character Talos who was giant and bronze made. It used to guard the Crete from attackers by throwing stones on the enemy’s ship. Vannevar Bush in 1945 publish an essay mentioning that the as like in machine memory can be also be used in human to store information which opens the door for neural network. During 1950s based on the imitation game Alan turning conducted a test where same question were asked to the computer and humans at the same time and judge has to distinguished the answer of human and computer. This was done to check the intelligence of computer. In 1951 Marvin Minsky gave the concepts of neural network and also said that no computers of that age were powerful enough to do it. John McCarthy in 1956 used the word artificial intelligence for the first time. A book based on brain and computer was dropped in 1958. Gary Kasparov, who was world champion at chess, was defeated by IBM’s Deep Blue at chess during 1997. It was the greatest achievement of AI at that time. Similarly, development of GPU, deep mining, natural language processing and many more made easier to implement IA in real life. (Baxter, 2019)

# 3. Current Scenario

Now days, machines are smarter than human as they are capable of driving car on their own, doing complex medical surgery, understand natural language and many more. The entire smart devices that are used in daily life are based on the AI.

# 4. Ethics of AI