**Data Science**

Python

Numpy

Pandas

Statistics

EDA

Machine learning

Deep machine

Power BI

Big Data

Devops

AWS

**Lecture 1 – 19/11/2021**

**Data Science** –

Process of extracting knowledge from the data by using Scientific methods.

Scientific Methods 🡺 Algorithm

Algorithms 🡺 Formula (Stat math)

Meaningful Data 🡺 Structural Data// Organised Data

Meaningless Data 🡺 Unstructured Data // Unorganised Data

**Data Base –** Place where Data store

Data science 1st Coined by 🡺 William Cleveland

Python 1st Coined by 🡺 Guido Van Samuel

Artificial Intelligence 🡺 John Mocarthy

Machine Learning 🡺 Arthur Samuel

**Lecture 2- 22/11/2021**

**Artificial Intelligence** 🡺 It is a process of designing intelligent machines which can mimic human.

**Machine Learning** 🡺Development of intelligent machine.

Arthur- A process of developing machine which can learn by itself.

**DL** 🡺 CNN RNN ANN

AI

DS

ML

DL

**DATA**

8 Bits 🡺 1 Byte

1024 bytes 🡺1 KB

1024 KB 🡺 1 MB

1024 MB 🡺 1 GB

1024 GB 🡺 1 TB

1024 TB 🡺 1 PB (Peta Byte)

1024 PB 🡺 1 EB (Exa Byte)

1024 EB 🡺 1 ZB (Zeta Byte)

**Data Science Life Cycle**

**1) Data Wrangling**

Process ofCollection of Data

**Data Wrangling Life Cycle**

**Data Gathering**

By Own By Another Person

**Lecture 3 – 24/11/2021**

**2) Data Cleansing**