



## Data Science course content

### Schedule:

August 14(Saturday)	August 21(Saturday)	August 28(Saturday)	September 4(Saturday)
9am-12pm	9am-12pm	9am-12pm	9am-12pm

### Session 1

1. Introduction to Data Science
2. Difference between Data Science , AI, ML and DL
3. Application of Data Science
4. Tool and Technology for Data Science
5. Why Python is a good choice
6. Basics of python

### Session 2

1. Numpy for computation
2. Matplotlib for visualization
3. Pandas for data Framing
4. Analysis of datasets

### Session 3

1. Introduction to machine Learning
2. Machine learning algorithms and model
3. Training a model for a dataset
4. Evaluation of model

### Session 4

1. Introduction of flask
2. Saving a model
3. Jupyter code for REST Api
4. Create a web app for production use
5. Deploy model on Google Cloud or AWS

### Assignments

1. Analysis of covid19 data set
2. Find the best K value of KNN model (evaluation)
3. ML supported Web Application