

Course: Data Science for Engineers

Course Code: noc21-cs23

Session: 2020-21

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1:

- Course philosophy and introduction to R

Week 2:

- Linear algebra for data science

Week 3:

- Statistics

Week 4:

- Optimization

Week 5:

- Typology of data science problems and a solution framework

Week 6:

- Simple linear regression and verifying assumptions used in linear regression
- Multivariate linear regression
- model assessment
- assessing importance of different variables
- subset selection

Week 7:

- Classification using logistic regression

Week 8:

- Classification using kNN and k-means clustering

List of students enrolled

S. No	Name of Student
1	Ankur Sanadhya
2	Arihant Pokharna
3	Chaitanya Sharma
4	Kaushal
5	Prashu Jain

6	Rahul Jain
7	Rishabh Garg
8	Saksham Jain
9	Shruti Dubey
10	Suraj Sharma
11	Ritu Yadav