

Course: Basic Linear Algebra

Course Code: noc20-ma08

Session: 2019-20

Duration: 8 Weeks

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

Curriculum of the Course:

Week 1:

- Matrices
- Matrix operations
- REF

Week 2:

- Linear systems
- Gauss Elimination
- Inverse of a matrix

Week 3 :

- $\mathbb{R}^n$; subspaces
- linear independence
- rank of a matrix

Week 4 :

- Determinants
- Rank
- Invertibility

Week 5 :

- Linear transformations
- rank-nullity

Week 6 :

- Inner product spaces
- Gram-Schmidt process

Week 7 :

- Eigenvalues
- Eigenvectors

Week 8 :

- Similarity
- Diagonalization
- Applications

List of students enrolled

S. No	Name of Student
1	Saurabh_Choudhary
2	Rohit Mehta
3	Akash Gupta
4	Aashish Jain
5	Abhishek Galani
6	Abhishek Garg
7	Aditya Nehra
8	Ajay Prajapat
9	Akhil Sharma
10	Amit Singh
11	Mukul Anand
12	Anushka Porwal
13	Arpit Tyagi
14	Bhavyanshu Shrimali
15	Bhavya Patni
16	Bhuvan Sharma
17	Anurag Chaudhary
18	Ramesh Choudhary
19	Faisal Khan
20	Faizan Khan
21	Harsh Singh Gahlot
22	Garvit Jaiswal
23	Gaurav Kumar
24	Gaurav Bhandari
25	Harshika Kumari
26	Harsh Maheshwari
27	Hemang Agrawal
28	Hemant Yogi
29	Himanshu Kalal
30	Akshita Jain
31	Atul Jain
32	Vikas Jat
33	Mukul Jayswal
34	Kirti Soni
35	Kishor Singh
36	Vimal Kumawat
37	Kshitij Kalra
38	Prateek Kumawat
39	Pradeep Kumar Meena

40	Shreya Maheshwari
41	Manu Choudhary
42	Meenal Gupta
43	Sarim Ur Rehman
44	Mohit Jain
45	Mansha Modi
46	Mohit Vijay
47	Mohit Agarwal
48	Mohit Jain
49	Mohit Kumar Chhipa
50	Mudit Dhingra
51	Mulkit Sain
52	Shreyansh Agarwal
53	Naveen Choudhary
54	Nishita Mathur
55	Pritul Nehra
56	Priyanshusharma_1607
57	Puneet Sankhala
58	Puspendra Jatav
59	Nagendra Singh
60	Raj Goyal
61	Raju Sharma
62	Rajveer Chopra
63	Rajveer Chopra
64	Ranveer Singh
65	Raunak Advani
66	Richhpal Mehariya
67	Ritik Sharma
68	Rahul Kumar Jangid
69	Rohit Kumar Meerwal
70	Sahi Ram Godara
71	Shashi Ranjan
72	Shatrughan Pandit
73	Shivang Yadav
74	Shouryaraj Singh
75	Puneet Shringi
76	Shivani Meena
77	Nikunj Sahu
78	Sonali Kumawat
79	Sonal
80	Suhani Wadhwa

81	Manish Kumar Suthar
82	Tanmay Jaiswal
83	Tanmay Sharma
84	Ujjwal Bansal
85	Vikalp Jain
86	Vikas Aechara
87	Vikesh Kumar Patidar
88	Vinit Kumar Shah
89	Vishal Nama
90	Vishal Kumawat
91	Vikas Kumar Prasad
92	Rinku Yadav
93	Ritik Raj Yadav
94	Yash Chaudhary
95	Yogendra Singh Shekhawat