

## **Course: Calculus of Several Real Variables - Online**

**Course Code:** noc19-ma19

**Session:** 2019-20

**Duration:** 8 Weeks

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

### **Curriculum of the Course:**

Week 1:

- Vectors and Matrices

Week 2:

- Functions of several variables and partial derivatives

Week 3 :

- IFT
- Taylor's Theorem
- Maxima and Minima

Week 4 :

- Lagrange Multiplier Rule

Week 5 :

- Multiple Integrals

Week 6 :

- Line Integrals

Week 7:

- Surface Integrals

Week 8 :

- Green's Theorem
- Strokes Theorem and Gauss Divergence Theorem

### **List of students enrolled**

<b>S. No</b>	<b>Name of Student</b>
1	AASHISH JAIN
2	Aman Sharma
3	Tushar Batra
4	Gagan agarwal

5	Harsh Sharma
6	Jahanvi Rathi
7	jitendra kumar prajapt
8	Karan Sabnani
9	Kartik
10	Keshav Nama
11	Manas Dodiya
12	Prakhar jain
13	Raju sharma
14	Vikas Kumar tank
15	Yash goyal
16	Yogendra Singh Shekhawat