

# **Course: Introduction to Civil Engineering Profession**

**Course Code:** noc21-ce12

**Session:** 2020-21

**Duration:** 8 Weeks

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

## **Curriculum of the Course:**

**Week 1:** What is Civil Engineering? Different disciplines of civil engineering. scope and prospects.

Heritage structures, architecture

**Week 2:** Environmental Engineering. Prevention of environmental impact. Pollution, waste and watertreatment

**Week 3:** Geotechnical Engineering. Soil mechanics and foundations. Hydraulics and water resources

**Week 4:** Construction Materials and Methods. Infrastructure Engineering. Sustainability.

**Week 5:** Structural Engineering. Analysis, design and modelling

**Week 6:** Highway Engineering. Traffic Engineering and Planning

**Week 7:** Automation and Robotics in Construction. Water Security.

**Week 8:** Novel areas. Career Prospects

## **List of students enrolled**

1	Kavya Kulshrestha
2	Amit Pareek
3	Anshul Kumar Jain
4	Ayush Choudhary
5	Kumkum Maurya
6	Jenisha Devnani
7	Hardik Sharma
8	Aman Sharma
9	Manish Sattavan

10	Muskan Meena
11	Pooja Kumari Meena
12	Neha Kumawat
13	Ved Pratap Singh
14	Priyanka Sharma
15	Sonal
16	Sumit Dangda
17	Sandeep Verma
18	Shivam Sharma