

Course: Hydraulic Engineering

Course Code: noc21-ce31

Session: 2020-21

Duration: 12 Weeks

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

Curriculum of the Course:

Week 1: Basics of Fluid Mechanics 1

Week 2: Basics of Fluid Mechanics 2

Week 3: Laminar and Turbulent Fluid Flow

Week 4: Boundary Layer Analysis

Week 5: Dimensional Analysis and Hydraulic Similitude

Week 6: Introduction to Open Channel Flow and Uniform Flow

Week 7: Non-Uniform Flow and Hydraulic Jump

Week 8: Pipe flow

Week 9: Pipe Networks

Week 10: Viscous Fluid Flow

Week 11: Computational Fluid Dynamics

Week 12: Introduction to Wave Mechanics (Inviscid Flow)

List of students enrolled: 16

1	Abhishek Moond
2	Akanksha Foujdar
3	Amit Kumar
4	Priyanka Sharma
5	Banwari Lal Meena
6	Jatin Vedwal
7	Kartik
8	Vimal Kumawat

9	Arvind Kumawat
10	Kumkum Maurya
11	Manish Choudhary
12	Priyanka Sharma
13	Abhijeet Singh Nathawat
14	Sandeep Verma
15	Vikas Aechara
16	Vinod Kumar Meena