

# Course: Hydraulic Engineering

**Course Code:** noc20-ce30

**Session:** 2019-20

**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: 117

|    |                     |
|----|---------------------|
| 1  | Abhay Kumar Meena   |
| 2  | Abhay Meena         |
| 3  | Abhishek Mehar      |
| 4  | Abhinav Goyal       |
| 5  | Abhishek Chanda     |
| 6  | Pulkit Agrawal      |
| 7  | Ajeet Kumar         |
| 8  | Anoop Jorwal        |
| 9  | Akshat fatehpuria   |
| 10 | Ankit Suthar        |
| 11 | Ankit Tyagi         |
| 12 | Ankit Verma         |
| 13 | Anshul Kumar Jain   |
| 14 | Anshul Meena        |
| 15 | Harshvardhan Gautam |

|    |                       |
|----|-----------------------|
| 16 | Ashish Meena          |
| 17 | Diwakar Singh         |
| 18 | Aviral Goyal          |
| 19 | Ayush Mangal          |
| 20 | Chitranjan Baror      |
| 21 | Nikhil Bhan Verma     |
| 22 | Bhuvan Jangid         |
| 23 | Chandraprakash Saini  |
| 24 | Arpit Choudhary       |
| 25 | Chandra Prakash Saini |
| 26 | Vishal Choudhary      |
| 27 | Devank Jain           |
| 28 | Dinesh Kumar Kumawat  |
| 29 | Divya                 |
| 30 | Rakesh Choudhary      |

|    |                         |
|----|-------------------------|
| 31 | Anil Sharma             |
| 32 | Ghanshyam Meena         |
| 33 | Ankita Choudhary        |
| 34 | Nishkarsh Goyal         |
| 35 | Gulshan Tiwari          |
| 36 | Harshit Gour            |
| 37 | Hemraj Meena            |
| 38 | Himanshu Jareda         |
| 39 | Sandeep Sharma          |
| 40 | Vidit Jain              |
| 41 | Jitesh Saini            |
| 42 | Rohit Meena             |
| 43 | Devanshu Sharma         |
| 44 | Kartik Lavaniya         |
| 45 | Kishor Singh            |
| 46 | Koshal Meena            |
| 47 | Kratagya Bharti         |
| 48 | Krishan Meena           |
| 49 | Kuldeep Meena           |
| 50 | Ravindra Kumar Kumawat  |
| 51 | Lokesh Meena            |
| 52 | Lakshya Jaiswal         |
| 53 | Laxmikant Jareda        |
| 54 | Lokesh Shandilya        |
| 55 | Mahendra Meena          |
| 56 | Mahipal Singh           |
| 57 | Manish Dayama           |
| 58 | Paresh Nathani          |
| 59 | Mohit Kumar Chhipa      |
| 60 | Mohit Kajla             |
| 61 | Naman Shehrra           |
| 62 | Neelansh Mishra         |
| 63 | Neha Kumawat            |
| 64 | Nehal Panchal           |
| 65 | Nirbhay Meena           |
| 66 | Nitin Meena             |
| 67 | Nitish Dadhich          |
| 68 | Neeraj Sharma           |
| 69 | Nitesh Meena            |
| 70 | Ojas Agarwal            |
| 71 | Prajwal Parihar         |
| 72 | Piyush Sharma           |
| 73 | Pradeep Kumar Prajapati |
| 74 | Pranav Maheshwari       |

|     |                       |
|-----|-----------------------|
| 75  | Prayag Solanki        |
| 76  | Rajesh Daya           |
| 77  | Rajvardhan            |
| 78  | Ramgopal Meena        |
| 79  | Kashif Ahmed Rather   |
| 80  | Ravi Kant Sahu        |
| 81  | Praveen Singh Rawat   |
| 82  | Rishi Meena           |
| 83  | Ritik Joshi           |
| 84  | Ritik Mathur          |
| 85  | Ritu Meena            |
| 86  | Ritvik Babel          |
| 87  | Rohit Khatri          |
| 88  | Rohit Raj Shrimal     |
| 89  | Sahil Tilwani         |
| 90  | Saksham Pathak        |
| 91  | Samyak Jain           |
| 92  | Sankalp Pareek        |
| 93  | Mohit Saran           |
| 94  | Mohammad Shadab       |
| 95  | Hariom Sharma         |
| 96  | Shruti Chauhan        |
| 97  | Shubham Bhatnagar     |
| 98  | Shweta Taviyad        |
| 99  | Somendra Kholwar      |
| 100 | Sourabh Kabra         |
| 101 | Sunny Roy             |
| 102 | Suraj Meena           |
| 103 | Sandeep Verma         |
| 104 | Himanshu Meena        |
| 105 | Tanishka Sharma       |
| 106 | Manmath Tiwari        |
| 107 | Umang Jain            |
| 108 | Uttam Singh           |
| 109 | Utkarsh Sharma        |
| 110 | Vatsal Agarwal        |
| 111 | Mahaveer Prasad Saini |
| 112 | Vikas Singh Jadoun    |
| 113 | Vinay Sharma          |
| 114 | Vinod                 |
| 115 | Yash Sharma           |
| 116 | Yatendra K            |
| 117 | Yogesh Sharma         |