

## Course: Digital Circuits

**Course Code:** noc20-ee70

**Session:** 2020-21

**Duration:** 12 Weeks

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

### Curriculum of the Course:

**Week 1 :** Introduction, Number System

**Week 2 :** Boolean Algebra

**Week 3 :** Combinational function minimization – K Map, Boolean identities

**Week 4 :** Logic Gates

**Week 5 :** Arithmetic circuits, Code converters

**Week 6 :** Multiplexers, Decoders, PLA

**Week 7 :** Sequential Circuits – Latches and Flip-flops

**Week 8 :** Counters, Shift Registers, Finite State Machines

**Week 9 :** Data Converters – Sample and hold circuits, ADCs, DACs

**Week 10 :** Semiconductor Memories – ROM, SRAM, DRAM

**Week 11 :** Microprocessor 8085 – Part I

**Week 12 :** Microprocessor 8085 – Part II

### List of students enrolled

| S.No. | Name of Student    |
|-------|--------------------|
| 1     | Mohit Agarwal      |
| 2     | Vishnu Gupta       |
| 3     | Aarush Goyal       |
| 4     | Anjali Sharma      |
| 5     | Abhinav Mishra     |
| 6     | Adish Jain         |
| 7     | Aditya Garg        |
| 8     | Rakshita Agarwal   |
| 9     | Akshita Sopra      |
| 10    | Amit Singh         |
| 11    | Ankit Saini        |
| 12    | Anshika Khandelwal |
| 13    | Ansh Khandelwal    |
| 14    | Archit Bajpai      |

|    |                     |
|----|---------------------|
| 15 | Arihant Jain        |
| 16 | Arzoo Jalendra      |
| 17 | Brij Kishore Sharma |
| 18 | Divyanshu Pareek    |
| 19 | Gaurav Kumar        |
| 20 | Jaiveer             |
| 21 | Harsh Vardhan       |
| 22 | Hemant Dadhich      |
| 23 | Pooja Jangid        |
| 24 | Jay Shrivastava     |
| 25 | Kanika Singhal      |
| 26 | Kartik Dusad        |
| 27 | Rashi Kinra         |
| 28 | Kusum Sharma        |
| 29 | Ankur Sharma        |

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|----|---------------------------|
| 30 | Malika Khandelwal         |
| 31 | Manisha Balani            |
| 32 | Manju Choudhary           |
| 33 | Manoj Garg                |
| 34 | Manoviraj Singh Shekhawat |
| 35 | Mansi Sharma              |
| 36 | Mehak Jain                |
| 37 | Mohit Kumawat             |
| 38 | Moin Ali                  |
| 39 | Mudit Dhingra             |
| 40 | Neha Maheshwari           |
| 41 | Nishant Kumar             |
| 42 | Parul Jain                |
| 43 | Prakhar Bhardwaj          |
| 44 | Prakhar Jain              |
| 45 | Prateek Tholiya           |
| 46 | Priyanshu Lohar           |
| 47 | Priyanshusharma_1607      |
| 48 | Raghav Agarwal            |
| 49 | Rahul Kumar Balai         |

|    |                       |
|----|-----------------------|
| 50 | Rashi Sharma          |
| 51 | Raghvendra Singh      |
| 52 | Rhythm Purohit        |
| 53 | Ritrik Rohra          |
| 54 | Roshan Kumar Jha      |
| 55 | Arpit Jain            |
| 56 | Sushil Kumar Sadhnani |
| 57 | Aman Saini            |
| 58 | Saloni Chhaparwal     |
| 59 | Sarthak Bhatia        |
| 60 | Sangeeta Sharma       |
| 61 | Shivam Choubisa       |
| 62 | Shivansh Dosi         |
| 63 | Shivam Kumar Gaur     |
| 64 | Nikunj Sahu           |
| 65 | Sudhanshu Bhatnagar   |
| 66 | Vansh Agrawal         |
| 67 | Vikas Mittal          |
| 68 | Priyanka Jain         |