

## EE227 – Digital Logic Design

### Assignment 4

Spring 2020

**Instructor Name: Engr. Amir Zahoor**

**Instructions for Submission:**

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- Partially or fully **copied assignments** will be marked as **zero**.
- You should submit only one PDF document and all text should be hand written. Equations, figures can only be hand written (all figures/equations can be pasted as images inside that document).
- Only **handwritten** solution.
- Late submissions are not allowed.
- Viva of any student can be conducted by the instructor after conducting an online exam in case of any doubt.
- You can submit your assignment **during Google Classroom only**.

**Question Number 1**

Design and implement Even parity generator for three bit number. Implement using S.O.P and P.O.S .

**Question Number 2**

Design and implement Odd parity generator circuit. Implement using S.O.P and P.O.S .

**Question Number 3**

Design and Implement BCD to 7- segment display circuit

*Good Luck*