**Department of Computer Engineering**



**Cairo University**

**Faculty of Engineering**

**ELC 325B – Spring 2023**

**Digital Communications**

**Assignment #2**

**Submitted to**

Dr. Mai

Dr. Hala

Eng. Mohamed Khaled

**Submitted by**

|  |  |  |
| --- | --- | --- |
| **Name** | **Sec** | **BN** |
| **Abdelrahman Hamdy Ahmed** | **1** | **36** |
| **Zeyad Tarek Khairy** | **1** | **28** |

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**Filter outputs**

**Number of bits = 10 and one pulse of duration 1 has 20 samples**

**Filter 1 output**

**Chart, line chart

Description automatically generated**

**Filter 2 output**

**Chart, histogram

Description automatically generated**

**Filter 3 output**

**Chart

Description automatically generated**

**Theoretical and simulated Bit Error Rate (BER) Vs**

**E/No:**

**Number of bits = 1000000 and one pulse of duration 1 has 20 samples**

**Chart

Description automatically generated**

**Text

Description automatically generated**