***PVPP COE, SION***

***DEPARTMENT OF ELECTRONICS***

***SH-2013***

**B.E.[ELEX] SEM-VII**

**SUB. - Filter Design.**

**List of Experiments**

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| **Expt.No.** | **Name of the Experiments** |
| **1** | **Analysis of analog filters in frequency domain** |
| 1A-Butterworth Filter |
| 1B- Chebyshev Type-I |
| 1C- Chebyshev Type-II |
| **2** | **IIR filter design :** |
| 2A- Impulse invariant method |
| 2B- Bilinear transform method |
| **3** | **FIR design using windows:** |
| 3A- By Using Hamming window & Blackman window |
| 3B- By using Kaiser window |
| **4** | **FIR design using frequency sampling.** |
| **5** | **Introduction to FDA tool for filter design.** |
| **6** | **Implementation of interpolation and decimation operation.** |
| **7** | **Application of adaptive signal processing to practical one dimensional signal e.g. speech signal ,ECG signal, music signal etc** |

**Subject I/C H.O.D.**

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