**Department of Electronics & Instrumentation Engineering**

**Faculty Name:** Ritesh Baranwal

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| **Teacher’s Name** | **Subject** | **Topic Name** | **Sub-Topic Name** | **Type of E-Content** | **Course Name** | **Year of Course** | **Link** |
| **Ritesh Baranwal** | Signals and System | Signal | definition, types, representation ,operation and continuous and discrete time signal | PDF, Word | B.TECH  (EC/EI-4th Sem.) | 2019-2020 | NPTEL VIDEO,https://classroom.google.com/W/NTczNZC40TY10TVa/t/all |
|  | Signal and System | Laplace transform and z transform | Important theorems properties and region of convergence(ROC) | PDF,Words | Same | 2019-2020 | NPTEL VIDEO,https://classroom.google.com/W/NTczNZC40TY10TVa/t/all |
|  | Signal and system | Fourier transform | Definition, DTFT,Theorems | PDF,Words | Same | 2019-2020 | NPTEL VIDEO,https://classroom.google.com/W/NTczNZC40TY10TVa/t/all |
|  | Signal and system | Systems | Classification,Causality,LTI system, Convolution,ESD,PSD and its properties | PDF,Words | Same | 2019-2020 | NPTEL VIDEO,https://classroom.google.com/W/NTczNZC40TY10TVa/t/all |
|  | Signal and system | Time and frequency domain analysis of system | Analysis of first order second order, poles and zero, block diagram representation, band width, rise time | PDF,Words | Same | 2019-2020 | Nptel Video |