

**Sethu Institute of Technology, Pulloor Kariapatti.**  
**Department of ECE**

**Instructional Material Developed by**

**Dr. K.A.Shahul Hameed.**

S.No.	Subject Code and Name	Name of the topic	Instructional Materials Link
1.	19UEC403 Signals and Systems & 21EC304 Signals and Systems	Discrete Time Fourier Transform	1. <a href="https://youtu.be/mFKFQLbdr8g">https://youtu.be/mFKFQLbdr8g</a> 2. <a href="https://youtu.be/dgVq7-A27DI">https://youtu.be/dgVq7-A27DI</a>
		Trigonometric Fourier Series	1. <a href="https://youtu.be/CLOIeLU4LWU">https://youtu.be/CLOIeLU4LWU</a> 2. <a href="https://youtu.be/FrWSw9aVwIk">https://youtu.be/FrWSw9aVwIk</a>
		Exponential Fourier Series	1. <a href="https://youtu.be/aXPEe2iy7II">https://youtu.be/aXPEe2iy7II</a>
		Fourier Series analysis of Continuous time signal	<a href="https://youtu.be/5SXtxt6muks">https://youtu.be/5SXtxt6muks</a>
		Energy and power signals	<a href="https://youtu.be/RNGmWHxAhKw">https://youtu.be/RNGmWHxAhKw</a>
		Convolutional Integral	<a href="https://youtu.be/a_vN7b6yPNo">https://youtu.be/a_vN7b6yPNo</a>
		Z Transform	1. <a href="https://youtu.be/18GEj3CSRl8">https://youtu.be/18GEj3CSRl8</a> 2. <a href="https://youtu.be/jkPLYvx0INA">https://youtu.be/jkPLYvx0INA</a> 3. <a href="https://youtu.be/X8b8FFK3-tA">https://youtu.be/X8b8FFK3-tA</a>
		Difference Equation and Block diagram representation	<a href="https://youtu.be/InkOjUFY3mM">https://youtu.be/InkOjUFY3mM</a>
		Convolutional Sum	<a href="https://youtu.be/3gzYYCKNi-g">https://youtu.be/3gzYYCKNi-g</a>
2.	21UEC405	Need for Modulation	<a href="https://youtu.be/8kFCak-tIIo">https://youtu.be/8kFCak-tIIo</a>
		Convolutional Code	<a href="https://youtu.be/qs5mHlaTKrM">https://youtu.be/qs5mHlaTKrM</a>