

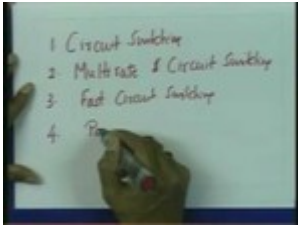




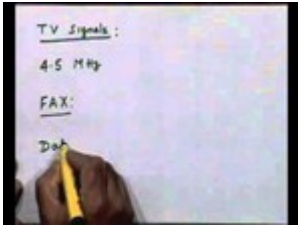
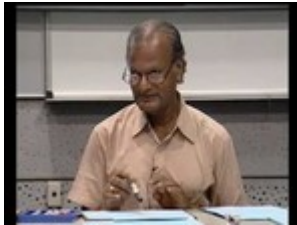
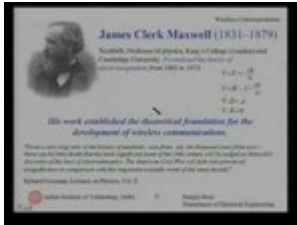




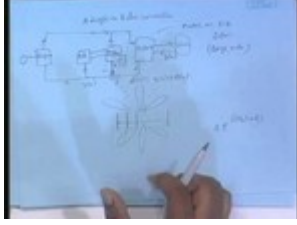

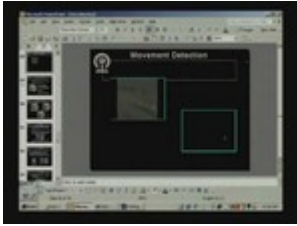
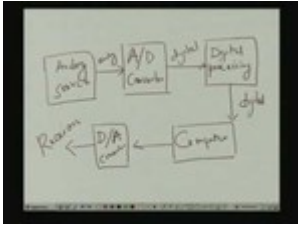

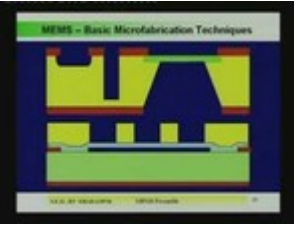

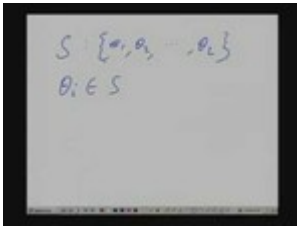







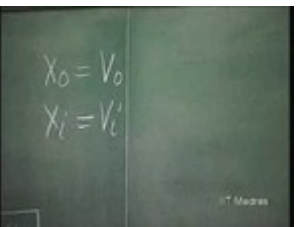
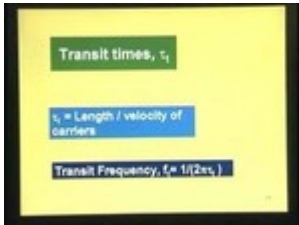





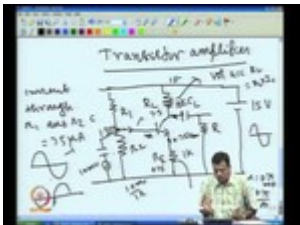






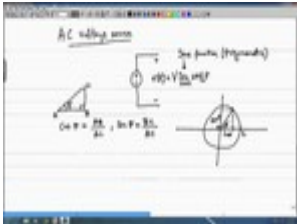

















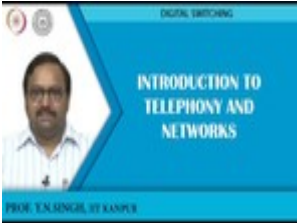










ELECTRONICS AND COMMUNICATION ENGINEERING (85 COURSES)










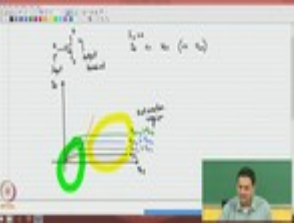
<p>Adv. Digital Signal Processing - Multirate and wavelets</p>	<p>Advanced Optical Communication</p>	<p>Broadband Networks: Concepts and Technology</p>	<p>Digital Communication</p>	<p>Information Theory and Coding</p>
 <p>117101001</p>	 <p>117101002</p>	 <p>117101050</p>	 <p>117101051</p>	 <p>117101053</p>
<p>Transmission Lines and EM Waves</p>	<p>RF Integrated Circuits</p>	<p>Communication Engineering</p>	<p>Digital Signal Processing</p>	<p>Wireless Communication</p>
 <p>117101056</p>	 <p>117102012</p>	 <p>117102059</p>	 <p>117102060</p>	 <p>117102062</p>
<p>Basic Electronics</p>	<p>Signals and Systems</p>	<p>Advanced 3G and 4G Wireless Mobile Communications</p>	<p>Digital Switching</p>	<p>Adaptive Signal Processing</p>
 <p>117103063</p>	 <p>117104074</p>	 <p>117104099</p>	 <p>117104104</p>	 <p>117105075</p>

<p>Digital Computer Organization</p>	<p>Digital Image Processing</p>	<p>Digital Systems Design</p>	<p>Digital Voice and Picture Communication</p>	<p>MEMS and Microsystems</p>
 <p>117105078</p>	 <p>117105079</p>	 <p>117105080</p>	 <p>117105081</p>	 <p>117105082</p>
<p>Neural Networks and Applications</p>	<p>Probability and Random Processes</p>	<p>Pattern Recognition and Application</p>	<p>Analog IC Design</p>	<p>Coding Theory</p>
 <p>117105084</p>	 <p>117105085</p>	 <p>117105101</p>	 <p>117106030</p>	 <p>117106031</p>
<p>Semiconductor Device Modeling</p>	<p>VLSI Data Conversion Circuits</p>	<p>Digital Circuits and Systems</p>	<p>Electronics for Analog Signal Processing - I</p>	<p>Electronics for Analog Signal Processing - II</p>
 <p>117106033</p>	 <p>117106034</p>	 <p>117106086</p>	 <p>117106087</p>	 <p>117106088</p>

High Speed Devices and Circuits	Solid State Devices	VLSI Circuits	VLSI Technology	Basic Electrical Circuits
 <p>Transit times, τ_t</p> <p>$\tau_t = \text{Length} / \text{velocity of carriers}$</p> <p>Transit Frequency, $f_t = 1/(2\tau_t)$</p> <p>117106089</p>	 <p>117106091</p>	 <p>117106092</p>	 <p>117106093</p>	 <p>117106101</p>
<p>NOC:Basic Electrical Circuits</p>	<p>NOC:Digital Circuits and Systems</p>	<p>Circuits for Analog System Design</p>	<p>Digital System design with PLDs and FPGAs</p>	<p>Error Correcting Codes</p>
 <p>117106108</p>	 <p>117106114</p>	 <p>117108038</p>	 <p>117108040</p>	 <p>117108044</p>
<p>Pattern Recognition</p>	<p>ARM Based Development</p>	<p>Embedded Software Testing</p>	<p>Advanced Logic Synthesis</p>	<p>Linux Programming and Scripting</p>
 <p>117108048</p>	 <p>117106111</p>	 <p>117106112</p>	 <p>117106109</p>	 <p>117106113</p>

<p>NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications</p>	<p>NOC:Networks and Systems</p>	<p>NOC:Probability and Random Variables, Processes for Wireless Communications</p>	<p>Analog Circuits and Systems 1</p>	<p>Analog Circuits</p>
 <p>117104115</p>	 <p>117106116</p>	 <p>117104117</p>	 <p>117108107</p>	 <p>117101106</p>
<p>Advanced VLSI Design</p>	<p>CMOS Analog VLSI Design</p>	<p>NOC: Microwave Integrated Circuits</p>	<p>NOC: Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks</p>	<p>NOC: Basic Tools of Microwave Engineering</p>
 <p>117101004</p>	 <p>117101105</p>	 <p>117101119</p>	 <p>117104118</p>	 <p>117105122</p>
<p>NOC: Design and Simulation of DC-DC converters using Open Source Tools</p>	<p>NOC: Foundations of Wavelets and Multirate Digital Signal Processing</p>	<p>NOC: Error Control Coding: An Introduction to Linear Block code</p>	<p>NOC: Error Control Coding: An Introduction to Convolutional Codes</p>	<p>NOC: Digital Image Processing</p>
 <p>117108124</p>	 <p>117101123</p>	 <p>117104121</p>	 <p>117104120</p>	 <p>117105135</p>

<p>NOC:Audio System Engineering</p>	<p>NOC:Fundamentals of MIMO Wireless Communication</p>	<p>NOC:Satellite Communication Systems</p>	<p>NOC:Digital Switching-I</p>	<p>NOC:Bayesian / MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks</p>
 <p>117105133</p>	 <p>117105132</p>	 <p>117105131</p>	 <p>117104128</p>	 <p>117104126</p>
<p>NOC:Basic Building Blocks of Microwave Engineering</p>	<p>NOC:Discrete Time Signal Processing</p>	<p>NOC:An Introduction to Information Theory</p>	<p>NOC:Optical Communications</p>	<p>NOC:VLSI Design Verification and Test</p>
 <p>117105130</p>	 <p>117105134</p>	 <p>117104129</p>	 <p>117104127</p>	 <p>117103125</p>
<p>Nanoelectronics: Devices and Materials</p>	<p>NOC:Millimeter Wave Technology</p>	<p>NOC:Design Principles of RF and Microwave Filters and Amplifiers</p>	<p>NOC:Digital VLSI Testing</p>	<p>NOC:Spread Spectrum Communications and Jamming</p>
 <p>117108047</p>	 <p>117105139</p>	 <p>117105138</p>	 <p>117105137</p>	 <p>117105136</p>

<p>NOC:Photonic Integrated Circuits</p>	<p>NOC:Power System Analysis</p>	<p>NOC:Analog Communication</p>	<p>NOC:Modern Digital Communication Techniques</p>	<p>NOC:Design of Photovoltaic Systems</p>
 <p>117108142</p>	 <p>117105140</p>	 <p>117105143</p>	 <p>117105144</p>	 <p>117108141</p>
<p>NOC:Enclosure Design of Electronics Equipment</p>	<p>NOC:Digital Speech Processing</p>	<p>NOC:Analog Circuits and Systems through SPICE Simulation</p>	<p>NOC:Basics of Software Defined Radios and Practical Applications</p>	<p>NOC:Analog IC Design</p>
 <p>117108140</p>	 <p>117105145</p>	 <p>117105147</p>	 <p>108107107</p>	 <p>108106105</p>