



Batch Wise Approved Curriculum

From the Desk of **MUHAMMAD ABID RAFI**

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Electives

CID	CCode	Course Title	Cr Hrs	Total Marks	Pre Requisite
2267	EE 7601	Advanced Communication Networks	3	100	
2309	EE 7501	Advanced Digital Signal Processing	3	100	
2306	EE 7102	Analysis Of Stochastic Systems	3	100	
7364	EE 9199	Dissertation	6	100	
2578	EE 7310	Electronic System Design	3	100	
2588	EE 7201	Linear System Theory	3	100	
2205	EE 7107	Research Methodology	3	100	
7365	EE 8199	Thesis	6	100	

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CID	CCode	Course Title	Cr Hrs	Total Marks	Pre Requisite
2346	EE 8202	Adaptive Control Systems	3	100	
2163	EE 8502	Adaptive Filter Design	3	100	
2227	EE 7202	Advanced Classical Control System	3	100	
2307	EE 7701	Advanced Computer Architecture	3	100	
2302	CS 7401	Advanced Computer Networks	3	100	
2229	EE 8601	Advanced Digital Communication	3	100	
2407	EE 7208	Advanced Digital Control	3	100	
2172	EE 7301	Advanced Digital System Design	3	100	
2167	EE 8404	Advanced Electrical Machine Design	3	100	
3993	EE 7304	Advanced Electronics	3	100	
2389	EE 7308	Advanced Fpga Based System Design	3	100	
2237	EE 7405	Advanced High Voltage Engineering	3	100	
2388	EE 7302	Advanced Instrumentation	3	100	
2419	EE 8703	Advanced Microprocessor Based Systems Design	3	100	
2569	EE 7101	Advanced Modeling And Simulation	3	100	
3994	EE 9302	Advanced Opto Electronics	3	100	
3897	EE 8411	Advanced Power Control Systems	3	100	
2345	EE 7303	Advanced Power Electronics	3	100	
2405	EN 8101	Advanced Power Plant Engineering	3	100	
2166	EE 7412	Advanced Power System Stability	3	100	
2118	EE 7404	Advanced Power System Transmission	3	100	
2228	EE 8204	Advanced Robotics And Automation	3	100	
3995	EE 8301	Analog Integrated Circuit Design	3	100	
3996	EE 7311	Analog Micro-System Design	3	100	
2112	CS 7411	Computer And Network Security	3	100	
2202	EE 8401	Condition Monitoring Techniques	3	100	
2335	EE 8203	Control System Optimization	3	100	
2316	EE 9101	Convex Optimization	3	100	
2355	EE 7611	Digital Design For Communication Systems	3	100	
2276	EE 8303	Digital Integrated Circuit Design	3	100	
2168	EE 8405	Distributed Generation	3	100	
2192	EE 7403	Electrical Drives	3	100	
2154	EE 8614	Electromagnetic Compatibility And Interface	3	100	
2257	EN 7113	Energy Efficiencies And Conservation	3	100	
2119	EE 7414	Energy Management	3	100	
2194	EE 7606	Error Control Coding	3	100	
2199	EE 8206	Estimation Theory	3	100	
2349	CS 7109	Game Theory	3	100	
2358	CS 8403	Gis And Remote Sensing	3	100	

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CID	CCode	Course Title	Cr Hrs	Total Marks	Pre Requisite
2210	CS 7407	High-Speed Broadband Networks	3	100	
2402	EN 7104	Hvac	3	100	
2412	CS 7501	Information Theory And Coding	3	100	
3992	CS 7402	Internet Protocols	3	100	
2211	CS 8402	Internetworking Architectures, Protocols And Applications	3	100	
2285	CS 7405	Ip Telephony And Voice Over Ip	3	100	
2212	EE 8603	Lasers And Modern Optics	3	100	
2336	CS 7108	Machine Vision	3	100	
3997	EE 8304	Micro-Devices And Micro-Sensors In Visi	3	100	
2203	EE 8403	Modeling And Simulation Of Electrical Machines	3	100	
2175	CS 7406	Multi-Layer Switching Architecture	3	100	
2348	EE 8208	Multivariable Control Theory	3	100	
2410	EE 8205	Network And Embedded Control Systems	3	100	
2127	CS 7403	Network Management	3	100	
2394	CS 7409	Network Performance Analysis	3	100	
2236	CS 8101	Neural And Fuzzy Systems	3	100	
2320	CS 8405	Next Generation Networks	3	100	
3998	EE 8302	Non-Linear Circuits Analysis And Design	3	100	
2233	EE 8201	Non-Linear Control System	3	100	
2250	EE 7610	Optical Communication Systems	3	100	
2116	EE 8209	Optimal Control Systems	3	100	
3999	EE 7307	Physics Of Semi Conductor Devices	3	100	
3864	EE 7205	Plcs And Control Systems	3	100	
4442	EE 7407	Power Distribution Systems	3	100	
2169	EE 8408	Power Electronics Devices And Converters	3	100	
2312	EE 7410	Power Generation Economics	3	100	
2279	EE 7413	Power Quality	3	100	
2201	EE 7406	Power System Circuit Breakers And Sub Stations	3	100	
2451	EE 7401	Power System Modeling And Analysis	3	100	
2238	EE 7408	Power System Reliability	3	100	
3991	EE 8210	Predictive Control	3	100	
2150	EE 7203	Process Control	3	100	
2319	CS 8404	Qos Architectures For Multimedia Wireless Networks	3	100	
2409	EE 7612	Queuing Theory	3	100	
2153	EE 7609	Radar Systems	3	100	
2344	EE 7806	Real Time Embedded Systems	3	100	
4000	EN 7101	Renewable Energy Technologies	3	100	
2397	EE 7608	Rf And Microwave Engineering	3	100	



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2408	EE 7206	Robotics	3	100	
2193	EE 9201	Robust Multivariable Control	3	100	
2385	EE 8615	Satellite, Fixed And Mobile Radio Systems	3	100	
2196	EE 9601	Selected Topics In Communications And Signal Processing	3	100	
2200	EE 9301	Selected Topics In Electronic Engineering	3	100	
4001	EE 9401	Selected Topics In Power Systems	3	100	
2311	EE 7402	Smart Grids And Future Electric Energy Systems	3	100	
2161	EE 7305	Solid State Electronics	3	100	
2243	EE 8410	Special Electrical Machines	3	100	
4180	EE 7207	System Identification	3	100	
2301	EE 7613	Telecommunication Traffic Engineering	3	100	
2378	EN 7102	Thermal Energy Systems	3	100	
2234	EE 8504	Two Dimensional Digital Signal Processing	3	100	
2115	EE 7602	Wireless And Mobile Communication Systems	3	100	
2381	EE 7614	Wireless Multiple Access Communication	3	100	
2128	CS 7416	Wireless Sensor Networks	3	100	