

**PHD COURSES LIST**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Department of Computer &amp; Information Systems Engineering</b>		
CS-601	ADVANCED PARALLEL COMPUTER ARCHITECTURES	3
CS-602	MULTI THREADED OPERATING SYSTEMS	3
CS-603	ANALYSIS AND DESIGN OF PARALLEL ALGORITHM	3
CS-604	PERFORMANCE ANALYSIS	3
CS-605	MULTICORE PROCESSOR ARCHITECTURE	3
CS-606	PARALLEL TASK SCHEDULING	3
CS-607	OPERATING SYSTEM ARCHITECTURE	3
CS-608	ARCHITECTURE OF MULTICORE PROCESSOR	3
CS-609	ADVANCED OPERATING SYSTEM	3
CS-610	COMPUTER SYSTEMS PERFORMANCE MEASUREMENT AND EVALUATION	3
CS-611	ADVANCED TOPICS IN COMPUTER ARCHITECTURE	3
CS-612	COMPUTER ARCHITECTURE SIMULATION AND VISUALIZATION	3
CS-620	ADVANCED DIGITAL DESIGN	3
CS-621	MIXED SIGNAL IC DESIGN	3
CS-622	COMPUTATIONAL MODELING OF CELLULAR SYSTEM	3
CS-623	NEUROCOMPUTATION	3
CS-624	ADVANCED PROCESSOR DESIGN	3
CS-625	BIOINFORMATICS & PROTEOMICS	3
CS-626	MACHINE LEARNING	3
CS-627	DATA MINING FOR PROTEOMICS	3
CS-628	DIGITAL IMAGE AND VIDEO PROCESSING	3
CS-629	VIDEO CODING	3
CS-630	ENGINEERING OPTIMIZATION METHODS &APPLICATIONS	3
CS-631	ADVANCED ALGORITHM ANALYSIS	3
CS-632	ADVANCED METAHEURISTICS	3
CS-633	NETWORK TRAFFIC MODELLING & ANALYSIS	3
CS-634	ADVANCED NETWORK MANAGEMENT	3
CS-635	COGNITIVE AND SOFTWARE RADIOS	3
CS-636	RECONFIGURABLE COMPUTING	3
CS-637	CLOUD SECURITY	3
CS-638	SEMANTIC WEB	3
CS-639	STOCHASTIC GEOMETRY AND HETNETS	3
CS-640	ENABLING TECHNOLOGIES FOR 5G	3
CS-641	PRIVACY ENGINEERING	3
CS-642	DIGITAL FORENSICS	3
CS-643	ADVANCED COMPILER DESIGN	3
CS-644	ADVANCED DISTRIBUTED COMPUTING	3
CS-645	MEMORY SYSTEMS DESIGN	3
CS-646	QUANTITATIVE RESEARCH AND DATA ANALYSIS METHODOLOGIES	3
CS-647	ADVANCED QUEUING THEORY	3
CS-648	STOCHASTIC PROCESSES FOR COMMUNICATION NETWORKS	3
CS-649	ADVANCED ROUTING & SWITCHING	3
CS-650	ESTIMATION THEORY	3
CS-649	ACQUISITION AND ANALYSIS OF FUNCTIONAL MAGNETIC RESONANCE IMAG	3
CS-651	GEOSPATIAL INTELLIGENCE	3
CS-652	CLOUD COMPUTING	3

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Print Date : 11-OCT-22 02:20 PM

CS-653	REMOTE SENSING	3