Winter 2015-16

COURSE	TITLE	CREDITS	Course Type
B Tech (ICT and CS) SEM II (2015 Batch)			
CT111	Introduction to Communication Systems	3-0-3-4.5	Core
EL114	Digital Logic Design	3-0-3-4.5	Core
HM116	Principles of Economics	3-0-0-3	Core
IT114	Object Oriented Programming	3-0-0-3	Core
IT115	Object Oriented Programming LAB	0-0-3-1.5	Core
SC106	Introduction to Discrete Mathematics	3-1-0-4	Core
B Tech (ICT and CS) SEM IV (2014 Batch)			
CT214	Analog and Digital Communication	3-0-3-4.5	Core
EL213	Analog Circuits	3-0-3-4.5	Core
IT215	Systems Software	3-0-3-4.5	Core
SC209	Environmental Studies	3-0-0-3	Core
SC215	Probability and Statistics	3-1-0-4	Core
B Tech (ICT) SEM IV (2014 Batch)			
HM206	Introduction to Business and Finance	3-0-0-3	Core
B Tech (CS) SEM IV (2014 Batch)			
CS201	Introductory Computational Physics	3-0-3-4.5	Core
B Tech (ICT & CS) SEM VI (2013 Batch)			
IT314	Software Engineering	3-0-3-4.5	Core
B Tech (ICT) SEM VI (2013 Batch)			
EL426	Digital System Architecture	3-0-2-4	Group Elective
CT314	Statistical Communication Theory	3-0-2-4	Group Elective
IT308	Operating Systems	3-0-2-4	Group Elective
IT422	Models of Computation	3-0-0-3	Group Elective
CT421	Advanced Digital Signal Processing	3-0-2-4	Technical Elective - open to M Tech
CT475	Models of Signal Processing	3-0-0-3	Technical Elective - open to M Tech
EL312	Solid State Devices	3-0-0-3	Technical Elective
EL428	Topics in Medical Electronics	2-0-2-3	Technical Elective - open to M Tech
HM327	Culture, Politics, Identity	3-0-0-3	Open Elective
HM376	Modernity and Political Theory	3-0-0-3	Open Elective
HM479	Satyajit Ray:Artist and Film-maker	3-0-0-3	Open Elective
HM320	Indian cities in literature	3-0-0-3	Open Elective
IT325	Introduction to Cryptography	3-0-0-3	Computer N/W Specialization & TE for BTech

IT415	Software Testing and Quality Analysis	3-0-2-4	Technical Elective
IT410	Web Data Management	3-0-2-4	Technical Elective - open to M Tech
IT461	Stochastic Simulation	3-0-0-3	Technical elective - open to Btech CS
IT478	Internet of Things	3-0-2-4	Technical Elective - open to M Tech
IT479	Modern Topics in Coding and Cryptography	3-0-0-3	Technical Elective - open to M Tech
SC332	Introduction to Quantum Mechanics	3-0-0-3	Science Elective
SC373	Advanced Animation	3-0-0-3	Science Elective
SC431	Introduction to Nanoscience and Technology	3-0-0-3	Science Elective
SC462	Elements of Synthetic Biology	3-0-0-3	Elective for Btech open to Mtech PhD

B Tech (CS) SEM VI (2013 Batch)

HM206	Introduction to Business and Finance	3-0-0-3	Core
CS302	Modeling and Simulation	3-0-2-4	Core
CS303	Parallel Computing Tools & Techniques	3-0-2-4	Group Elective
CS304	Introduction to Nonlinear Science	3-0-0-3	Science Elective
IT461	Stochastic Simulation	3-0-0-3	Technical Elective
CS305	Adavance Techniques in System Biology	2-0-2-3	Technical Elective
	Any one from B Tech-ICT Pool		Open Elective

M Tech SEM II (2015 Batch)

HM501	Communication Skills	2-0-0-2	Core
CT512	Information Theory and Coding	3-0-0-3	Stream Core CSP
CT533	Wireless System Design	3-0-0-3	Stream Core CSP
EL512	VLSI Subsystem Design	3-0-0-3	Stream Core VLSI-ES
EL516	Analog CMOS IC Design	3-0-0-3	Stream Core VLSI-ES
IT325	Introduction to Cryptography	3-0-0-3	Stream Core CNS
IT478	Internet of Things	3-0-2-4	Stream Core CNS, open to Btech
IT543	Advanced Logic for Computer Science	3-0-0-3	Stream Core CNS
SC522	Graph Theory and Algorithms	3-0-0-3	Stream Core CNS
IT523	Digital Image Processing	3-0-0-3	Stream Core MI, open to Btech
IT542	Pattern Recognition Machine Learning	3-0-0-3	Stream Core MI
IT550	Information Retrieval	3-0-0-3	Stream Core MI, open to Btech
SC510	Vector Space Projection	3-0-0-3	Elective for all
CT513	Detection and Estimation Theory	3-0-0-3	Spl Core SP
SC515	Approximation Algorithms	3-0-0-3	
IT539	Combinatorial Algorithms	3-0-0-3	
SC516	Computational Complexity	3-0-0-3	

MSc IT SEM II (2015 Batch)

IT616	Analysis and Design of Algorithms	3-1-0-4	Core
IT618	Enterprise Computing	3-0-4-5	Core

IT619	Design of Software Systems	3-0-2-4	Core
IT617	Operating Systems	3-0-2-4	Core
HM601	Principals of Management (or any other from Btech pool)	3-0-0-3	Open elective

MSc ICT- ARD SEM II (2015 Batch)

ES662	Systems Approaches to Sustainable Development	3-0-2-4	Core
HM666	Organizational Theory	3-0-0-3	Core
IT664	Remote Sensing and GIS	3-0-2-4	Core
IT667	Database Management Systems	3-0-2-4	Core
PC667	Quantitative Analysis II	3-0-2-4	Core
PC672	Research Methodology	3-0-0-3	Core

MDes Sem II (2015 Batch)

PC732	Fundamentals of Design - II	3-0-2-4	Core
PC731	Ethnography and Applications	3-0-0-3	Core
PC725	Introduction to Narratology	3-0-2-4	Core
PC733	Web Design: Applications, Inter-connectibility	2-0-4-4	Core
	From Btech Pool	3-0-0-3	Open Elective

	Course for All interested Students		
HM002	North Indian Classical Music 2	0-0-2-1	For all interested students
HM435	Basics of Entrepreneurship	1-0-0-1	For all interested students