

Slots of All courses [Autumn 2016-17]

SLOT # 1/4				
BTech I	HM106	Approaches to Indian Society	Core	VP
BTech II	HM216	Science, Technology, Society	Core	MM
BTech III	IT301	Introduction to Algorithms	Group Elective (for ICT and honours CS)	PB
	EL322	Introduction to VLSI	Group Elective	RP
BTech IV	SC372	Dynamics of Animation	Science Elective	NPatel*
	IT454	Introduction to Complex Network	Technical Elective(for ICT and honours CS)	MT
	EL519	Low Power VLSI (CPT > 7.4)	Technical Elective	BM
	ES411	Control Systems	Technical Elective	RLD
	HM484	Modern European Philosophy: Descartes to Nietzsche	Open Elective	BK
MTech I	CT501	System and Signal Theory	Stream Core SP	AT
MTech II	IT701	Topics in Deep Learning	PhD level course (open to M.Tech)	MVJ
	EL519	Low Power VLSI	Stream Core VLSI (Open to BTech)	BM
MScIT I	IT602	Object Oriented Prog. and Data Structures	Core	ST
MScIT II	IT688	Management Information Systems	Elective	D Sisodia*
MScARD I	HM653	Rural Finance	Core	AP
MScARD II	IT688	Management Information Systems	Core (open to MSc-IT)	Ramnaresh (PhD)
MDes I	PC720	Writing and Presentation Skills		MM
MDes II	PC741	Animation		BD

SLOT # 7				
BTech I	SC105	Calculus and Complex Variables	Core	MKG
BTech II	CT203	Signals and Systems	Core	HP
BTech III	EL203	Embedded Hardware Design	Core	ARB
BTech IV	CS306	Data Analysis and Visualization	Group Elective (CS students only)	MN
	CT450	Radio Wave Propagation	Technical Elective	DKG
	IT414	Software Project Management	Technical Elective(open to MSc-IT)	AB
	HM377	The English Novel: Form and History	Open Elective	AM
MTech I	SC501	Essential Mathematics	Core	GD
MTech II	CT537	Advanced Wireless Communication	Stream Core CSP	LP
MScIT I	IT613	Computer Organization	Core	RP
MScIT II	IT414	Software Project Management	Technical Elective	AB
MScARD I	HM654	Development Theory and Practices	Core	VP, AP, MM
MScARD II	HM672	Production and Operations Management	Core	D Sisodia*
MDes I	PC723	Object Oriented Prog. using Java		T Padia
MDes II				

SLOT # 10				
BTech I				
BTech II	IT209	Computer Organization	Core	NDJ
BTech III				
BTech IV	IT477	Introduction to GPU Programming	Technical Elective	BC
	CT474	Satellite Communication	Technical Elective	YV
	IT476	Human Computer Interaction	Technical Elective	PM
	HM663	System, Policies and Implications	Open Elective	AP
MTech I	CT5xx	Stochastic Process for Applications	Stream Core Comm	LP
	SC5xx	Parallel, Distributed and Dynamic Algorithms	Stream core Algorithmics	VS
	IT524	Computer Vision	Stream Core MI	MVJ
MScIT I	IT615	Data Base Management System	Core	MB
MScIT II	IT476	Human Computer Interaction	Elective	PM
MScARD I	IT667	Database Management Systems	Core (with IT615)	MB
MScARD II	HM663	System, Policies and Implications	Elective (Open to BTech)	AP
MDes I	PC722	Fundamentals of Design - I		BD
MDes II	PC745	Research Application: Constructing Narratives		VP

SLOT # 2/5			
EL103	Basic Electronic Circuits	Core	BM
SC217	Electromagnetic Theory	Core	GD
CT321	Digital Signal Processing	Group Elective	YV
CS301	High Performance Computing	Core (for ICT honours CS)	BC
SC322	Introduction to Graph Theory	Science Elective	RM
IT424	Logic for Computer Science	Technical Elective	MKR
IT572	Digital Video Processing & Communication (CPT > 7.4)	Technical Elective	MN
EL4xx	New Course	Technical Elective (Open to MTech)	ARB
CT476	Microwave Engineering	Technical Elective	DKG
EL511	Introduction to VLSI	Stream Core VLSI	DNC
SC541	Foundations of Algorithmics	Stream Core Algo	VS
IT572	Digital Video Processing & Communication	Elective MI & SP, open to B.Tech.	MN
EL4xx	New Course	Elective-VLSI	ARB
IT4xx	New Course	Elective-CNS	PKS
PC613	Communication Skills	Core	AM
IT632	Software Engineering	Core	ST
IT657	Technical Communication Skills	with PC613	AM
PC740	Research Proposal Seminar: Rationale, Process, Outcome		MM

SLOT # 8			
IT304	Computer Networks	Core	PKS
CS401	Computational Finance (CS students only)	Technical Elective	J Verma
IT633	Data Mining and Warehousing	Technical Elective	PMJ
CT540	Speech Communication	Technical Elective (CPI>7.4)	HP
HM379	Introduction to Drama: Theory and Praxis	Open Elective	SRG
IT531	Advanced Computer Networks	Stream Core CNS	SS
IT5xx	Knowledge Discovery on the Cloud	Elective-CNS	SDG
CT540	Speech Communication	Stream Core-CSP (Open to BTech, PhD)	HP
SC612	Discrete Mathematics	Core	MKR
IT633	Data Mining and Warehousing	Elective (Open to BTech)	PMJ
IT650	Computer Basics	Core	Shishail
ES673	Modeling and Simulation of Bio-Economic Systems	Core	RG
PC724	Principles of Interaction Design		TBD

SLOT # 3/6			
IT105	Introduction to Programming	Core	SS
IT205	Data Structures	Core	AMM
CT351	Radio Frequency Engineering	Group Elective	SG
SC374	Computational and Numerical Methods	Core (for ICT honours CS)	NKS
SC463	Quantum Computation(for ICT and honours CS)	Science Elective(Open to MTech, PhD)	JM
IT326	Introduction to Artificial Intelligence	Technical Elective	SDG
CT472	Optical Communication	Technical Elective (Open to MTech)	AKR
HM331	Elements of Business Management	Open Elective	NRaval*
IT501 / SC502	Algorithms / Probability	Core	MLD / GG
SC5xx	Probabilistic methods	Elective Algorithmics	SD
CT472	Optical Communication	Elective CSP	AKR
IT634	Information Systems Security	Elective	ASB
IT681	ICT for Climate Change	Elective	RG
PC721	Approaches to Culture and Communication		ANS
PC743	Thematic Seminar		TBD

SLOT # 9			
PC105	Communication Skills		SRG
SC116	Algebraic Structures	Core	JM
IT214	Database Management Systems	Core	PMJ
SC464	Computational Optimization(for ICT and honours CS)	Science Elective (Open to MTech)	NKS
IT322	Security Protocols	Technical Elective (Open to MTech, PhD)	MLD
IT453	System and Network Security	Technical Elective (open to MTech, PhD)	AMM
HM341	Approaches to Science Fiction	Open Elective	ANS
IT510	Fundamentals of Machine Intelligence	Stream Core MI	SKM
IT322	Security Protocols	Elective-CNS	MLD
IT453	System and Network Security	Elective-CNS	AMM
HM601	Principles of Management	Open Elective	S. Banerjee*
PC666	Quantitative Analysis I	Elective	TBD
PC666	Quantitative Analysis I	Core (Open to MSc-IT)	TBD
IT669	ICT Infra. Implementation and Appl.	Core	RG

TBA: To be assigned.

SLOT FREE Course	
PC108 Introduction to ICT and Computational Science (Core, 1st sem) -- AMM	
HM001 North Indian Clasiical Music 1 (Elective) -- K Dasgupta*	

NOTE: Slots for First semester courses may get changed if the revised curriculum comes into effect from Autumn 2016-17.