

International Institute of Information Technology, Hyderabad

Course offerings in 2017-18 Semester I (Monsoon)

Version-1

UG Programmes

CD	AD	CNO	CName	Credits	Faculty Name(s)
B.Tech I year I Semester - CSE&CSD – ECE&ECD					
In	MA	IMA101	Mathematics I	3-1-0-4	Indranil Chakraborty
In	CS	ICS101	Computer Programming	3-1-3-5	Anoop + Praveen P
In	EC	IEC101	Digital Logic & Processors	3-1-3-5	Anil Kumar + Madhava Krishna
In	EC	IEC102	Electrical Science I (H)	3-1-0-2	Rambabu Kalla
In	CS	ICS102	IT Workshop I	2-0-3-3	TBD
In	HS	IHS105	HSS Skills-1 (Inclu.English)	2-0-0-2	CEH Lecturers/ Aruna Chaluvadi
In	HS	IHS103	Human Values I	0-2-0-2	Abhijit Mitra (Coordinator)
Total 16-6-9-23					
B.Tech I year I Semester – CND					
In	MA	IMA101	Mathematics I	3-1-0-4	Indranil Chakraborty
In	CS	ICS101	Computer Programming	3-1-3-5	Anoop + Praveen P
In	EC	IEC101	Digital Logic & Processors	3-1-3-5	Anil Kumar + Madhava Krishna
PR	CNS	SCI331	Thermodynamics & Statistical Mechanics	3-1-0-4	Deva Priyakumar + Prabhakar B
In	CS	ICS102	IT Workshop I	2-0-3-3	TBD
In	HS	IHS105	HSS Skills-1 (Inclu.English)	2-0-0-2	CEH Lecturers/ Aruna Chaluvadi
In	HS	IHS103	Human Values I	0-2-0-2	Abhijit Mitra (Coordinator)
Total 16-6-9-25					
B.Tech I year I Semester – CLD					
In	MA	IMA101	Mathematics I	3-1-0-4	Indranil Chakraborty
In	CS	ICS101	Computer Programming	3-1-3-5	Anoop + Praveen P
In	EC	IEC101	Digital Logic & Processors	3-1-3-5	Anil Kumar + Madhava Krishna
In	CS	ICS102	IT Workshop I	2-0-3-3	TBD
In	HS	IHS105	HSS Skills-1 (Inclu.English)	2-0-0-2	CEH Lecturers/ Aruna Chaluvadi
In	HS	IHS103	Human Values I	0-2-0-2	Abhijit Mitra (Coordinator)
Pr	CL	CLG211	Introduction to Linguistics	3-1-0-4	Dipti M Sharma + Radhika M
Total 16-6-9-25					
B.Tech I year I Semester – BSD					
In	MA	IMA101	Mathematics I	3-1-0-4	Indranil Chakraborty
In	CS	ICS101	Computer Programming	3-1-3-5	Anoop + Praveen P
In	EC	IEC102	Electrical Science I (H)	3-1-0-2	Rambabu Kalla
In	CS	ICS102	IT Workshop I	2-0-3-3	TBD
In	HS	IHS105	HSS Skills-1 (Inclu.English)	2-0-0-2	CEH Lecturers/ Aruna Chaluvadi
In	HS	IHS103	Human Values I	0-2-0-2	Abhijit Mitra (Coordinator)
Pr	CE	CES11 1	Mechanics of Solids	3-1-0-4	Venkateswarlu M
Pr	CE	CES114	Building Construction Engg	3-1-0-4	Neelima Patnala (PhD Scholar)
Total 19-7-6-26					
B.Tech II year I Semester - CSE/CSD					
In	MA	IMA201	Mathematics III	3-1-0-4	Lakshmi B
In	CS	ICS211	Algorithms	3-1-0-4	Kannan Srinathan + Pawan Kumar
In	CS	ICS231	Operating Systems	2-1-1-3	P Krishna Reddy
In	CS	ICS241	Introduction to Databases(H)	2-1-0-2	Kamal Karlapalem

In	CS	ICS261	SSAD & Project	3-0-3-3	Raghu Reddy + Ramesh Loganathan
In	SC	ISC201	Science I	3-1-0-4	Marimuthu Krishnan
			Total 16-5-4-20		
B.Tech II year I Semester - ECE/ECD					
Pr	MA	ECE230	Probability & Random Processes	3-1-0-4	Prasad Krishnan
Pr	EC	ECE205	Linear Electronic Circuits	3-1-3-5	Zia Abbas
Pr	EC	ECE241	Signals & Systems	3-1-0-4	Sachin Chaudhuri
Pr	EC	ECE260	Electrical Science II (H)	3-1-0-2	Rambabu Kalla
Pr	EC	ECE225	Embedded Hardware Design	3-0-3-4	Madhava Krishna + Faculty from Xilinx
In	SC	ISC201	Science I	3-1-0-4	Marimuthu Krishnan
			Total 18-5-6-23		
B.Tech II year I Semester –CND					
In	MA	IMA201	Mathematics III	3-1-0-4	Lakshmi B
In	CS	ICS211	Algorithms	3-1-0-4	Kannan Srinathan + Pawan Kumar
In	CS	ICS241	Introduction to Databases(H)	2-1-0-2	Kamal Karlapalem
In	CS	ICS261	SSAD & Project	3-0-3-3	Raghu Reddy + Ramesh Loganathan
PR	CNS	SCI101	General Physics (CM+QM)	3-1-0-4	Subhadip Mitra
PR	CNS	SCI644	Biomolecular Structure & Supramolecular Chemistry	3-1-0-4	Deva Priyakumar + Tapan Kumar Sau
PR	CNS	SCI371	Science Lab I	0-1-4-4	Tapan Kumar Sau + Prabhakar B
			Total 17-6-7-25		
B.Tech II year I Semester –CLD					
In	MA	IMA201	Mathematics III	3-1-0-4	Lakshmi B
In	CS	ICS211	Algorithms	3-1-0-4	Kannan Srinathan + Pawan Kumar
In	CS	ICS231	Operating Systems	2-1-1-3	P Krishna Reddy
In	CS	ICS241	Introduction to Databases (H)	2-1-0-2	Kamal Karlapalem
In	CS	ICS261	SSAD & Project	3-0-3-3	Raghu Reddy + Ramesh Loganathan
In	EC	IEC102	Electrical Science I (H)	3-1-0-2	Rambabu Kalla
Pr	HS	CLG421	Computational Linguistics I	3-1-0-4	Soma Paul + Dipti M Sharma
			Total 19-6-4-22		
B.Tech II year I Semester – BSD					
Pr	MA	CEF211	Soil Mechanics	3-1-0-4	Neelima Satyam
Pr	BS	CSI211	Surveying	3-0-3-5	Pulkit Velani
Pr	CE		Climatology	3-1-0-4	Vishal Garg
In	CS	ICS211	Algorithms	3-1-0-4	Kannan Srinathan + Pawan Kumar
In	CS	ICS261	SSAD & Project	3-0-3-3	Raghu Reddy + Ramesh Loganathan
In	CS	ICS241	Introduction to Databases(H)	2-1-0-2	Kamal Karlapalem
In	SC	ISC201	Science I	3-1-0-4	Marimuthu Krishnan
			Total 20-5-6-26		
B.Tech III year I Semester – CSE					
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	

Pr	CS		Bouquet Core	3-1-0-4	
			Elective (CS/Free)	3-1-0-4	
		CSE491	CSE-Honours Project I (Optional)	0-0-8-4	
			Total 15-5-0-20		
B.Tech III year I Semester - CSD					
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
			Elective (CS/Free)	3-1-0-4	
		CSE491	CSE-Honours Project I	0-0-8-4	
			Total 15-5-8-24		
B.Tech III year I Semester – ECE					
Pr	EC	ECE381	Electromagnetic Theory & Applications	3-1-0-4	Syed Azeemuddin
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
		ECE491	ECE-Honours Project I (Optional)	0-0-8-4	
			Total 15-5-0-20		
B.Tech III year I Semester – ECD					
Pr	EC	ECE381	Electromagnetic Theory & Applications	3-1-0-4	Syed Azeemuddin
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
Pr	EC		EC Elective	3-1-0-4	
		ECE491	ECE-Honours Project I	0-0-8-4	
			Total 15-5-8-24		
B.Tech III year I Semester – CND					
In	CS	ICS231	Operating Systems	2-1-1-3	P Krishna Reddy
Pr	CNS	SCI421	Advanced Biology	3-1-0-4	Vinod PK
Pr	CNS	SCI439	Quantum Mechanics symmetry & Spectroscopy (15)	3-1-0-4	Harjinder Singh
Pr	CNS	SCI373	CNS Lab	0-1-4-4	Prabhakar B + Deva Priyakumar
Pr	CS		CS Bouquet Core	3-1-0-4	
Pr	CNS	SCI471	CNS-Honours Project I	0-0-8-4	
Pr	CNS	SCI400	CCNSB Seminar	0 Cr	Vinod PK (Coordinator)
			Total 11-5-13-23		
B.Tech III year I Semester – CLD					
In	SC	ISC201	Science I	3-1-0-4	Marimuthu Krishnan
Pr	CS	CSE472	Natural Language Processing	3-1-0-4	Manish Shrivastava
Pr	CL	CLG411	Linguistics 1: Language Typology & Universals	3-0-0-4	Radhika M + Soma Paul
Pr	CS	CSE471	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
OT	[+]		Humanities (Elective)	3-1-0-4	
In	CS	CSE491	Honours Project I	0-0-8-4	
Pr			Elective	3-1-0-4	
			Total 18-5-8-28		
B.Tech III year I Semester – CHD					

In	CS	ICS231	Operating Systems	2-1-1-3	P Krishna Reddy
Pr	EH	HSS342	Classical Language: Sanskrit II	0-3-0-2	Devandra Dubey
Pr	CS		CS Bouquet Core	3-1-0-4	
Pr	CS		Elective from CS	3-1-0-4	
In	SC		Elective from Science	3-1-0-4	
Pr	EH		Elective from Humanities	3-0-0-4	
Pr	EH		Humanities Sub-Stream Course I	3-0-0-4	
			Total 17-7-1-25		

B.Tech III year I Semester – BSD

Pr	BS	CEW213	Water Resource Engineering	3-1-0-4	Shaik Rehana
Pr	CE	CET431	Transportation Engineering	3-1-0-4	Neelima Satyam
Pr	CE		Climatology	3-1-0-4	Vishal Garg
Pr	CE		CE Elective	3-1-0-4	
Pr	CE		Stream Elective	3-1-0-4	
Pr	CE	CEB491	CE-Honours Project-1	3-1-0-4	
			Total 18-6-0-24		

B.Tech IV year I Semester - CSE

OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
In	CS	CSE497/ CSE493	BTP II / CSE-Honours Project III	0-0-8-4	
			Elective (CS/Free)	3-1-0-4	
			Total 12-4-8-20		

B.Tech IV year I Semester - CSD

OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
Pr	CS		Research Stream/CS Course	3-1-0-4	
In	CS	CSE493	Honours Project III	0-0-8-4	
			Elective (CS/Free)	3-1-0-4	
			Total 15-5-8-24		

B.Tech IV year I Semester - ECE

In	CS	ICS331	Algorithms & Operating Systems	3-1-0-4	Lini Thomas
In	EC	ECE497/ ECE493	BTP II/ECE-Honours Project III	0-0-8-4	
Pr	EC		EC elective	3-1-0-4	
Pr	EC		EC elective	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
			Total 12-4-8-20		

B.Tech IV year I Semester – ECD

In	CS	ICS331	Algorithms & Operating Systems	3-1-0-4	Lini Thomas
In	EC	ECE493	ECE-Honours Project III	0-0-8-4	
Pr	EC		Research Stream Course	3-1-0-4	
Pr	EC		EC elective	3-1-0-4	
Pr	EC		EC elective	3-1-0-4	
OT	[+]		Science/Maths/Humanities/Engg	3-1-0-4	
			Total 15-5-8-24		

B.Tech IV year I Semester – CND

Pr	CS		Bouquet Core	3-1-0-4	
OT	[+]		Free Elective	3-1-0-4	

Pr	CNS		CNS Elective	3-1-0-4	
Pr	CNS	SCI472	CNS-Honours Project III	0-0-8-4	
Pr	CS		CS Elective	3-1-0-4	
Pr	CNS	SCI400	CCNSB Seminar	0 Cr	
			Total 12-4-8-20		
B.Tech IV year I Semester – CLD					
OT	[+]		Humanities Elective	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
Pr			CL-Elective	3-1-0-4	
Pr	CS		CS-Elective	3-1-0-4	
In	CS	CSE492	CSE-Honours Project II	0-0-8-4	
			Elective	3-1-0-4	
			Total 18-5-8-24		
B.Tech IV year I Semester - CHD					
			CS Bouquet Core	3-1-0-4	
			Elective from CS	3-1-0-4	
Pr			Elective from Humanities	3-0-0-4	
Pr			Humanities Sub-Stream Course III	3-0-0-4	
Pr		HSS572	Independent Study(EH)-2	3-0-0-4	
Pr		HSS592	Confluence Projects(Honours)-2	4-0-0-4	
			Total: 16-1-0-20		
B.Tech IV year I Semester - BSD					
Pr	CE		CE Elective	3-1-0-4	
Pr	CE		Stream Elective	3-1-0-4	
Pr	CE		CE-Honours Project-4	3-1-0-4	
In	MA		Mathematics Elective	3-1-0-4	
In	HS		Humanities Elective	3-1-0-4	
			Total 15-5-0-20		

PG Programmes

CD	AD	CNO	CName	Credits	Faculty Name(s)
M.Tech I year I Semester - CSE					
		CSE603	Advanced Problem Solving	4-0-4-6	Kishore Kothapalli
		CSE531	Operating Systems	3-1-0-4	Avinash Sharma + Manish Shrivastava
		CSE611	Discrete Maths & Algorithms	4-2-0-6	Ashok Kumar Das + Pawan Kumar
		CSE505	Scripting & Computer Environments	3-0-2-4	Ganesh Iyer
			Total 14-3-6-20		
M.Tech II year I Semester – CSE					
			Bouquet Core	3-1-0-4	
			Area Elective	3-1-0-4	
			Semester project/Bouquet core/Area elective	3-1-0-4	
			Bouquet core / Area elective	3-1-0-4	
			Total 12-4-0-16		
M.Tech I year I Semester – CSIS					
		CSE603	Advanced Problem Solving	4-0-4-6	Kishore Kothapalli
		CSE531	Operating Systems	3-1-0-4	Avinash Sharma + Manish Shrivastava

		CSE611	Discrete Maths & Algorithms	4-2-0-6	Ashok Kumar Das + Pawan Kumar
		CSE505	Scripting & Computer Environments	3-0-2-4	Ganesh Iyer
			Total 14-3-6-20		
M.Tech II year I Semester – CSIS					
		CSE703	PG Project-4Cr	0-0-8-4	
		CSE540	Research in Information Security	3-1-0-4	Ashok Kumar Das
		CSE435	Advanced Computer Networks	3-1-0-4	Moumita Patra
			Bouquet/Area/CS/ECE Elective	3-1-0-4	
			Total 12-1-8-16		
M.Tech I Year I Semester – CASE					
		CES631	Structural Dynamics	3-1-0-4	Pradeep Kumar R
		CSE602	Computer Problem Solving	3-1-2-4	Suryakath V Gangashetty
		CEA614	Advanced Mechanics of Solids	3-1-0-4	Venkateswarlu M
		CES634	Civil Engg Workshop	3-1-0-4	Aniket Bhalkikar
			Total 12-4-2-16		
M.Tech II Year I Semester – CASE					
			GT/BS/SI/CS Elective	3-1-0-4	
			SE Elective	3-1-0-4	
			SE Elective	3-1-0-4	
			Open Elective or CASE Project	4/8 Cr	
			Total 9-3-8-16		
M.Tech I Year I Semester - Bioinformatics					
		CSE602	Computer Problem Solving	3-1-2-4	Suryakanth V Gangashetty
		SCI550	Mathematics & Statistics	3-1-0-4	Sanchari (PhD Scholar)
		SCI541	Advanced Biomolecular Architecture	3-1-0-4	Abhijit Mitra
		SCI651	Introduction to Bioinformatics	3-1-0-4	Nita Parekh
		SCI421	Advanced Biology (Cellular/Molecular/genetic)	3-1-0-4	Vinod PK
			Total 15-5-0-20		
M.Tech II Year I Semester – Bioinformatics					
		CSE505	Scripting & Computer Environments	3-0-2-4	Ganesh Iyer
		SCI643	Biomolecular Structure Interaction & Dynamics. Prerequisites: ABA or GSC or equivalent	3-1-0-4	Abhijit Mitra + Gopalakrishnan B
		SCI400	CCNSB Seminar	0 Cr	Vinod P K
		SCI860	Computational Biology Project / IT Elective	3-1-0-4	
		SCI660	Proteomics & Metabolomics / IT Elective	3-1-0-4	Sangeeta Kumari
			Total 12-3-2-16		
MS by Research II Year I Semester - Computational Linguistics					
			MS Thesis	12 Cr	
MPhil / PhD II Year I Semester - Computational Linguistics					
			MPhil Thesis	12 Cr	

Electives

		CNO	CName	Credits	Faculty Name(s)
Electives for BSD Students					
		CSE591	Spatial Informatics	3-1-0-4	K S Rajan

			Engineering Geology	3-1-0-4	D.Chandrasekharam
		CES631	Structural Dynamics	3-1-0-4	Pradeep Kumar R
		CEA614	Advanced Mechanics of Solids	3-1-0-4	Venkateswarlu M
		CEB411	Illumination Engineering	3-1-0-4	Vishal Garg

Electives for CND Students

		SCI751	Topics in Physics	3-1-0-4	TBD
		SCI651	Introduction to Bioinformatics	3-1-0-4	Nita Parekh
		SCI660	Proteomics & Metabolomics	3-1-0-4	Sangeeta Kumari

Electives for CLD Students

		CLG451	Linguistic Data: Collection & Analysis	3-1-0-4	TBD
		CLG544	Indian Grammatical Tradition	3-1-0-4	Dipti M Sharma
		CSE474	Information Retrieval & Extraction	3-1-0-4	Vasudeva Varma

Electives for CHD Students

		HSS422	Classical Text Reading I	3-1-0-4	JSR Prasad
		HSS511	Classical Text Reading III	3-1-0-4	Navjyoti Singh + Rajesh Tavva

ECE Electives (Also applicable as CSE/Open Electives)

Note for UG ECE/ECD Students: Please read carefully the guidelines for choosing of ECE Electives before registering.

	Signal Processing Stream				
		Level 1			
		CSE478/ ECE478	Digital Image Processing	3-1-0-4	Avinash Sharma
		ECE441	Adaptive Signal Processing	3-1-0-4	Ubaidulla
		ECE448	Speech Signal Processing	3-1-0-4	Anil Kumar V
		Level 2			
		CSE971	Speech Technology	3-1-0-4	Suryakanth V Gangashetty
		CSE471	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
	Communications Stream				
		Level 1			
		ECE437	Information Theory and Coding Prerequisites: Basics of probability and random variables is a must.	3-1-0-4	Lalitha V
		ECE438	Wireless Communications	3-1-0-4	Ubaidulla
		Level 2			
		ECE536	Wireless Sensor Networks	3-1-0-4	G. Rama Murthy
	VLSI and Embedded Systems Stream				
		Level 1			
		ECE461	Analog & Mixed Signal Design	3-1-0-4	Syed Azeemuddin + Zia Abbas
		Level 2			
		ECE469	Design for Testability	3-1-0-4	Govind Krishnan
	Robotics Stream				
		Level 1			
		CSE483/ ECE483	Mobile Robotics	3-1-0-4	K. Madhava Krishna

		ECE451	Linear Control Systems	3-1-0-4	Rambabu Kalla + Abhishek Sarkar
		CSE478/ ECE478	Digital Image Processing	3-1-0-4	Avinash Sharma
		Level 2			
			Topics in Machine Learning Prerequisite: Statistical Methods in AI	3-1-0-4	Naresh Marwani
		CSE471	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
Electives for PG CASE students					
		CSE591	Spatial Informatics	3-1-0-4	K S Rajan
		CES623	Advanced Structural Design	3-1-0-4	Pradeep Kumar R + Guest Faculty
		CES641	Earthquake Engineering	3-1-0-4	Pradeep Kumar R
Bouquet Courses					

Note for UG CSE/CSD students: Bouquet courses for Computer Science cater to developing breadth in computer science in Foundations and Systems Area. Some of these courses are also Research Stream Courses. A student must take at least **3** courses each from **5** in Foundations and **5** in Systems Bouquet Courses during their entire B.Tech Programme.

	Foundation Courses				
		CSE471	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
		CSE415	Principles of Programming Languages	3-1-0-4	Rekha Singhal
		CSE411	Complexity and Advanced Algorithms	3-1-0-4	Girish Varma + Saswata Shannigrahi
	Systems Courses				
		CSE419	Compilers	3-1-0-4	Suresh Purini
		CSE435	Advanced Computer Networks	3-1-0-4	Moumita Patra
		CSE431	Distributed Systems	3-1-0-4	Govindarajulu R
		CSE441	Database Systems	3-1-0-4	P Krishna Reddy
CSE/Open Electives					
		CSE861	Software Quality Engineering	3-1-0-4	Raghu Reddy
		CSE540	Research in Information Security	3-0-1-4	Ashok Kumar Das
		CSE472	Natural Language Processing	3-0-2-4	Manish Shirvastava
		CSE485	Intro to Cognitive Science	3-1-0-4	Priyanka Srivastava + Vinoo Alluri
		CSE474	Information Retrieval & Extraction	3-1-0-4	Vasudeva Varma
		CSE991	Research Methodology	3-1-0-4	Vinoo Alluri
		CSE591	Spatial Informatics (Max: 30)	3-1-0-4	K S Rajan
		CSE545	Advances in Data Mining	3-1-0-4	Kamal Karlapalem
		CSE445	Data Warehousing and Data Mining	3-1-0-5	Vikram Pudi
		CLG421	Computational Linguistics I	3-1-0-4	Soma Paul + Dipti M Sharma
		CSE482	Multi Agent Systems (Max:35; First cum First serve method for selection)	3-1-0-4	Praveen P
		CSE498	Introduction to Game Theory	3-1-0-4	Sujit Gujar
		CS4850	Performance Evaluation of Computer	3-1-0-4	Lavanya R
			Complex Digital System Design	3-1-0-4	Suresh Purini
			Graph Theory	3-1-0-4	Saswata Shannigrahi
Engineering Electives (Random Selection) Max. no of students for each course is given in the brackets					

		CSE464	Game Design and Engineering (60)	3-1-0-4	Kavita Vemuri
		CEG511	Principles and Practices of Organic Farming (30)	3-1-0-4	Syamasundar Reddy
		CEG445	Technology Product Entrepreneurship (50)	3-1-0-4	Ramesh Loganathan
		CEN211	Environmental Science (30)	3-1-0-4	RC Prasad

Math Electives (Random selection) Maximum no. of students for the following courses is: 50 each)

		IMA303	Differential Equations	3-1-0-4	Lakshmi B
		IMA404	Number Theory and Cryptology Prerequisite: A little bit of abstract algebra including the basic concepts of groups, rings and fields. Concept of limit in real analysis. A little bit about matrices.	3-1-0-4	Rajat Tandon
			New Math Elective	3-1-0-4	Indranil Chakraborty

Science Electives (Random selection) Max. no of students for each course is given in the brackets

		SCI371	Science Lab I (9)	0-1-4-4	Tapan Kumar Sau + Prabhakar B
		SCI439	Quantum Mechanics Symmetry & Spectroscopy (10)	3-1-0-4	Harjinder Singh
		SCI373	CNS Lab (10)	3-1-0-4	Deva Priyakumar + Tapan Kumar Sau
		SCI541	Advanced Biomolecular Architecture (No limit)	3-1-0-4	Abhijit Mitra
		SCI643	Biomolecular Structure Interaction & Dynamics (20) Prerequisites: ABA, GSC or equivalent	3-1-0-4	Abhijit Mitra + Gopalakrishnan B

Humanities Electives for UG3 and UG4 (Random selection) Max. no of students for each course is 40

Note: More courses will be added

		HSS481 /HSS482	Digital Humanities Project Note: Students can register with faculty consent only	2/4 Cr	CEH Faculty
		HSS365	Science Technology and Society	3-1-0-4	Harjinder Singh
		HSS441	East and West	3-1-0-4	Juan Pablo Sanchez
		HSS338	Understanding Raga: Semi Classical Forms of Indian Music	3-1-0-4	Saroja TK
		HSS443	The Society of the Spectacle in the Ancient World	3-1-0-4	Juan Pablo Sanchez
		HSS343a	Introduction to History	3-1-0-4	Aniket Alam
		HSS345a	Introduction to Shakespeare	3-1-0-4	Aruna Chaluvadi
		HSS347a	Introduction to Gender Studies	3-1-0-4	Tejaswini M
		HSS316	Intotudction to Philosophy	3-1-0-4	Jolly Thomas
		HSS461	Gandhian Thought	3-1-0-4	Nand Kishore Acharya
		HSS351a	Intro to Psychology	3-1-0-4	Priyanka Srivastava

Sd/-

Sd/-

Date: 30.6.2017	Dean (Academics)		Director
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