International Institute of Information Technology, Hyderabad
Course offerings in 2021-22 Semester I (Monsoon)

UG Programmes

Version-4 (6.8.2021)

CD	AD	CNO	CName	Credits	Faculty Name(s)
B.Tech I year I Semester - CSE&CSD					
In	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das
In	CS	CS0.101	Computer Programming	3-1-3-5	Suresh Purini
In	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Harikumar
In	EC	MA4.101	Real Analysis	3-1-0-4	Lakshmi Burra
In	HS	OC2.101	Arts-1	2-0-0-2	CEH Lecturers
In	HS	OC3.101	Value Education-1	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Center
			Total 14-8-6-23		
B.Tech I year I Semester - ECE&ECD					
In	MA	EC5.101	Networks Signals and Systems	3-1-0-4	Santosh Nannuru + Anshu Sarje
In	CS	CS0.101	Computer Programming	3-1-3-5	Suresh Purini
In	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Harikumar
In	EC	MA4.101	Real Analysis	3-1-0-4	Lakshmi Burra
In	CS	EC2.102	Electronic Workshop-1 **(H2)**	2-0-3-2	Madhava Krishna
In	HS	OC2.101	Arts-1	2-0-0-2	CEH Lecturers
In	HS	OC3.101	Value Education-1	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Center
			Total 16-8-9-25		
B.Tech I year I Semester – CND					
In	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das
In	CS	CS0.101	Computer Programming	3-1-3-5	Suresh Purini
In	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Harikumar
PR	CNS	MA4.101	Real Analysis	3-1-0-4	Lakshmi Burra
In	CS	SC4.101	Computing in Sciences-1**(H)**	2-0-3-2	Prabhakar B
In	HS	OC2.101	Arts-1	2-0-0-2	CEH Lecturers
In	HS	OC3.101	Value Education-1	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Center
			Total 16-8-9-25		
B.Tech I year I Semester – CLD					
In	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das
In	CS	CS0.101	Computer Programming	3-1-3-5	Suresh Purini
In	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Harikumar
In	CS	CL1.101	Introduction to Linguistics-1	3-1-0-4	Aditi Mukherjee
In	HS	OC2.101	Arts-1	2-0-0-2	CEH Lecturers
In	HS	OC3.101	Value Education-1	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Center
			Total 14-8-6-23		
B.Tech I year I Semester – CHD					
In	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das
In	CS	CS0.101	Computer Programming	3-1-3-5	Suresh Purini

In	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Harikumar
In	HS	HS8.101	Making of Contemporary World	3-1-0-4	Aniket Alam
In	HS	HS7.101	Human Sciences Lab-1 **(H2)**	3-1-0-2	Radhika Krishnan
In	OT	OC2.101	Arts-1	2-0-0-2	CEH Lecturers
In	OT	OC3.101	Value Education-1	0-2-0-2	Radhika Mamidi (Coordinator)
In	OT	OC1.101	Sports-1	0-2-0-1	Physical Education Center
			Total 17-9-6-25		
B.Tech II year I Semester - CSE/CSD					
In	MA	CS3.303	Introduction to IoT	2-0-3-3	Deepak Gangadharan
In	CS	CS1.301	Algorithm Analysis & Design	3-1-0-4	Srinathan Kannan
In	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy
In	CS	CS4.301	Data and Applications **(H1)**	2-0-3-2	Kamal Karlapalem
In	CS	CS1.302	Automata Theory **(H2)**	3-1-0-2	Shantanav Chakraborthy
Pr	EC	SC1.110	Science I	3-1-0-4	Prabhakar B
			Total 14-4-3-19		
LE-CSD I year I Semester - 2K21					
In	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar
In	CS	CS1.301	Algorithm Analysis & Design	3-1-0-4	Srinathan Kannan
In	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy
In	CS	CS4.301	Data and Applications **(H1)**	2-0-3-2	Kamal Karlapalem
In	CS	CS1.302	Automata Theory **(H2)**	3-1-0-2	Shantanav Chakraborthy
			Total 12-4-0-16		
B.Tech II year I Semester - ECE/ECD					
Pr	EC	EC2.103	Analog Electronic Circuits	3-1-3-5	Anshu Sarje
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Syed Azeemuddin + Zia Abbas
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod PK
Pr	EC	EC5.204	Communication and Controls in IoT **(H1)**	3-1-0-2	Sachin Chaudhari + Aftab Hussain
Pr	EC	SC1.110	Science I	3-1-0-4	Prabhakar B
			Total 15-5-3-19		
LE-ECD I year I Semester - 2K21					
Pr	EC		Maths Elective (Instead of PRP)	3-1-0-4	
Pr	EC	EC5.201	Signal Processing (not offering in M21)	3-1-0-5	Alternate course will be suggested case by case
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Syed Azeemuddin + Zia Abbas
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod PK
Pr	EC	EC5.204	Communication and Controls in IoT **(H1)**	3-1-0-2	Sachin Chaudhari + Aftab Hussain
Pr	EC	SC1.110	Science I	3-1-0-4	Prabhakar B
			Total 18-6-0-22		
B.Tech II year I Semester –CND					
In	CNS	SC2.101	General and Structural Chemistry	3-1-0-4	Tapan Kumar Sau
In	CS	SC1.203	Quantum Mechanics	3-1-0-4	Subhadip Mitra
In	CS	SC3.101	Introduction to Biology	3-1-0-4	Vinod PK
PR	CNS	CS1.301	Algorithm Analysis & Design	3-1-0-4	Srinathan Kannan
In	CS	CS4.301	Data and Applications **(H1)**	2-0-3-2	Kamal Karlapalem
In	CS	CS1.302	Automata Theory **(H2)**	3-1-0-2	Shantanav Chakraborthy
			Total 15-5-0-20		
B.Tech II year I Semester –CLD					
In	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar

In	CS	CL2.203	Language and Society	3-1-0-4	Dipti M Sharma
In	CS	CL3.202	Computational Linguistics II: Comp Semantics and Discourse parsing	3-1-0-4	Radhika Mamidi
In	CS	CS1.301	Algorithm Analysis & Design	3-1-0-4	Srinathan Kannan
In	CS	CS4.301	Data and Applications **(H1)**	2-0-3-2	Kamal Karlapalem
In	CS	CS1.302	Automata Theory **(H2)**	3-1-0-2	Shantanav Chakraborthy
			Total 15-5-3-20		
B.Tech II year I Semester –CHD					
In	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar
Pr	HS	HS0.202	Thinking and Knowing in the Human Sciences - II	3-1-0-4	Radhika Krishnan + Nazia Akhtar
Pr	HS	HS0.301	Classical Text Readings - I	3-1-0-4	Ashwin Jayanthi
In	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Srinathan Kannan
In	CS	CS4.301	Data and Applications **(H1)**	2-0-3-2	Kamal Karlapalem
In	CS	CS1.302	Automata Theory **(H2)**	3-1-0-2	Shantanav Chakraborthy
			Total 15-4-3-20		
B.Tech III year I Semester – CSE					
Pr	EC	EC3.202	Embedded Systems Workshop	1-0-3-3	Sachin Chaudhari + Aftab Hussain
Pr	CS		Bouquet Course – 1	3-1-0-4	
OT	Sc		Science Elective – 1	3-1-0-4	
OT	HS		HS Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
Pr	CS		CSE-Honours-1 (Optional)	0-2-6-2	
			Total 12-4-9-19/21		
B.Tech III year I Semester - CSD					
Pr	EC	EC3.202	Embedded Systems Workshop	1-0-3-3	Sachin Chaudhari + Aftab Hussain
Pr	CS		Bouquet Course – 1	3-1-0-4	
OT	Sc		Science Elective – 1	3-1-0-4	
OT	HS		HS Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
PR	CS		Stream Elective-1	3-1-0-4	
Pr	CS		CSE-Honours-1	0-2-6-2	
			Total 16-7-9-25		
B.Tech II year I Semester - LCD2K20					
Pr	CS		Bouquet Course – 1	3-1-0-4	
OT	Sc		Science Elective – 1	3-1-0-4	
OT	HS		HS Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
PR	CS		Stream Elective-1	3-1-0-4	
Pr	CS		CSE-Honours-1	0-2-6-2	
			Total 15-7-6-22		
B.Tech III year I Semester – ECE					
Pr	EC		Stream Foundation-2	3-1-0-4	
Pr	EC		Stream Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
OT	OE		Open Elective-2	3-1-0-4	
OT	HS		HSS Elective-1	3-1-0-4	
Pr	EC		ECE-Honours-1 (Optional)	0-2-6-2	
			Total 15-5-0-20/22		
B.Tech III year I Semester – ECD and LED 2K20					

Pr	EC		Stream Foundation-2	3-1-0-4	
Pr	EC		Stream Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
OT	OE		Open Elective-2	3-1-0-4	
OT	HS		HSS Elective-1	3-1-0-4	
Pr	EC		ECE-Honours-1	0-2-6-2	
			Total 15-5-6-22		
B.Tech III year I Semester – CND					
In	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy P
Pr	CNS	SC2.304	Spectroscopy **(H1)**	3-1-0-2	Marimuthu Krishnan
Pr	CNS	SC2.305	Chemical Kinetics and Reaction Dynamics **(H2)**	3-1-0-2	Tapan Kumar Sau
Pr	CNS	SC3.202	Bioinformatics **(H1)**	3-1-0-2	Nita Parekh
Pr	CNS	SC3.203	Systems Biology **(H2)**	3-1-0-2	Vinod PK
Pr	CS		CS elective - 1	3-1-0-4	
Pr	CNS	SC9.302	CNS Honors - 1	0-2-6-2	
Pr	CNS	SC9.600	CCNSB seminar - 1	0 Cr	Prabhakar B (Coordinator)
			Total 12-4-6-18		
B.Tech III year I Semester – CLD					
In	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy P
Pr	CL	CS7.501	Advanced NLP	3-1-0-4	Manish Shrivastava
Pr	Sc	SC1.110	Science I	3-1-0-4	Prabhakar B
Pr	CS		CS Elective-1	3-1-0-4	
OT	HS		HSS Elective - 1	3-1-0-4	
Pr	CL	CL9.302	CL-Honours-1	0-2-6-2	
			Total 12-6-6-18		
B.Tech III year I Semester – CHD					
In	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy P
Pr	HS	HS0.303	Applied Ethics	3-1-0-4	Don Dcruz
Pr	Sc	SC1.110	Science I	3-1-0-4	Prabhakar B
Pr	CS		CS Elective-1	3-1-0-4	
OT	HS		Human Sciences Elective-2	3-1-0-4	
Pr	HS	HS9.302	HS-Honours-1	0-2-6-2	
			Total 15-7-6-22		
B.Tech IV year I Semester - CSE					
In	CS	CS9.401/ CS9.402	BTP II / CSE-Honours Project III	0-2-6-2	
Pr	CS		Bouquet Core-4	3-1-0-4	
Pr	OE		Open Elective-3	3-1-0-4	
Pr	OE		Open Elective-4	3-1-0-4	
Pr	HS	HS0.203	Basics of Ethics **(H1)**	3-1-0-2	Ashwin Jayanthi + Don Dcruz
			Total 12-6-6-16		
B.Tech IV year I Semester - CSD and LCD2K19					
In	CS	CS9.401/ CS9.402	BTP II / CSE-Honours Project III	0-2-6-2	
Pr	CS		Stream Elective-3	3-1-0-4	
Pr	CS		Bouquet Core-4	3-1-0-4	
Pr	OE		Open Elective-3	3-1-0-4	
Pr	OE		Open Elective-4	3-1-0-4	
Pr	HS	HS0.203	Basics of Ethics **(H1)**	3-1-0-2	Ashwin Jayanthi + Don Dcruz

			Total 15-5-6-20		
B.Tech IV year I Semester - ECE					
In	EC	EC9.401/ EC9.402	BTP II/ECE-Honours Project III	0-2-6-2	
Pr	EC		Stream Elective-3	3-1-0-4	
Pr	OE		Open Elective-3	3-1-0-4	
OT	SC		Science Elective-1	3-1-0-4	
In	HS	HS0.203	Basics of Ethics (H1)	3-1-0-2	Ashwin Jayanthi + Don Dcruz
			Total 12-4-6-16		
B.Tech IV year I Semester – ECD and LED2K19					
In	EC	EC9.401/ EC9.402	BTP II/ECE-Honours Project III	0-2-6-2	
Pr	EC		Stream Elective-4	3-1-0-4	
Pr	EC		Stream Elective-5	3-1-0-4	
Pr	OE		Open Elective-3	3-1-0-4	
OT	SC		Science Elective-1	3-1-0-4	
In	HS	HS0.203	Basics of Ethics (H1)	3-1-0-2	Ashwin Jayanthi + Don Dcruz
			Total 15-7-6-20		
B.Tech IV year I Semester – CND					
Pr	CNS	SC9.402	CNS-Honours Project III	0-2-6-2	
Pr	CNS		CNS Elective-3	3-1-0-4	
Pr	CS		CS Elective-3	3-1-0-4	
Pr	CS		CS Elective-4	3-1-0-4	
In	HS	HS0.203	Basics of Ethics (H1)	3-1-0-2	Ashwin Jayanthi + Don Dcruz
Pr	CNS	SC9.600	CCNSB Seminar-3	0 Cr	Prabhakar B (Coordinator)
			Total 12-6-6-18		
B.Tech IV year I Semester – CLD					
Pr	CL	CL9.402	CL-Honours Project III	0-2-6-2	
Pr	CL		CL Stream Elective-2	3-1-0-4	
Pr	CL		CL Stream Elective-3	3-1-0-4	
Pr	CS		CS Elective-3	3-1-0-4	
In	OE		Open Elective-2	3-1-0-4	
In	HS	HS0.203	Basics of Ethics (H1)	3-1-0-2	Ashwin Jayanthi + Don Dcruz
			Total 15-7-6-20		

PG Programmes

CD	AD	CNO	CName	Credits	Faculty Name(s)
M.Tech I year I Semester - CSE & CSIS					
In	CS	CS1.304	Data Structures & Algorithms for Problem Solving	3-0-2-6	Vineet Gandhi + Avinash Sharma
In	MA	MA6.301	Maths for Computer Science 1- Probability and Statistics (H1)	3-1-0-2	Girish Varma
In	MA	MA6.302	Maths for Computer Science 2 - Linear Algebra (H2)	3-1-0-2	Indranil Chakrabarthy
In	CS	CS6.302	Software Systems Development	3-0-2-4	Raghu Reddy + Charu Sharma
In	CS	CS3.304	Advanced Operating Systems	3-0-1-4	Manish Shrivastava
			Total 12-1-5-18		

			M.Tech II year I Semester – CSE		
Pr	CS		Bouquet Core	3-1-0-4	
Pr	CS		Bouquet Core	3-1-0-4	
Pr	OT		Area Elective	3-1-0-4	
Pr	CS		Breadth Elective/Project/Independent Study	3-1-0-4	
			Total 12-4-0-16		

* At most 4 credits can be converted to Project/Independent Study in lieu of course credits(66)

			M.Tech II year I Semester – CSIS		
Pr	CS	CS8.501	Research in Information Security	3-1-0-4	Ashok Kumar Das
Pr	CS	CS3.402	Advanced Computer Networks	3-1-0-4	Ankit Gangwal
Pr	CS		Bouquet Elective	3-1-0-4	
Pr	CS		Area/CS/IT Elective	3-1-0-4	
			Total 12-4-0-16		

			M.Tech I Year I Semester – CASE		
In	SE	CE1.501	Structural Dynamics	3-1-0-4	Sunitha P
In	CS	CS0.301	Computer Problem Solving	3-1-0-4	Lini Thomas
In	SE	CE4.501	Finite Element Method	3-1-0-4	Venkateswarlu M
In	SE	CE1.502	Structural Engineering Design Studio	3-1-0-4	Pradeep Kumar R
In	SE	CE0.501	Theory of Elasticity and Plasticity	3-1-0-4	Pravin Kumar Venkat Rao
			Total 15-5-0-20		

			M.Tech II Year I Semester – CASE		
In	CS	CE9.609	IoT Workshop	3-1-0-4	Vishal Garg + Sachin Chaudhari (Coordinator) + Aftab Hussain
In	CE		CASE Elective-4	3-1-0-4	
In	CE		CASE Elective-5	3-1-0-4	
In	CE		CASE Elective-6	3-1-0-4	
In	CE		CASE Elective-7	3-1-0-4	
			Total 15-5-0-20		

Electives

		CNO	CName	Credits	Faculty Name(s)
Electives for CND Students					
		SC2.310	Selected topics in Instrumental Analysis	3-1-0-4	Tapan Kumar Sau
		SC2.315	Molecular symmetry and quantum mechanics	3-1-0-4	Harjinder Singh
		SC1.310	Open Quantum Systems and Quantum Thermodynamics	3-1-0-4	Samyadeb Bhattacharya
		SC1.421	Introduction to Quantum Field Theory **(40)**	3-1-0-4	Diganta Das
Electives for CLD Students					
		CS4.406	Information Retrieval & Extraction	3-1-0-4	Vasudeva Varma
		EC5.408	Speech Signal Processing	3-1-0-4	Anil Kumar V + Chiranjeevi Yarra
		CS9.426	Intro to Cognitive Science	3-1-0-4	Priyanka Srivastava + Vishnu Sreekumar

		CL5.401	Topics in SSMT	3-1-0-4	Anil Vuppala + Rajeev Sangal + Dipti M Sharma

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 & Communications Stream				
		CS7.404	Digital Image Processing	3-1-0-4	Sudipta Banerjee
		EC5.408	Speech Signal Processing	3-1-0-4	Anil Kumar V + Chiranjeevi Yarra
		CS7.403	Statistical Methods in AI	3-1-0-4	Anoop Namboodiri
		EC5.407	Wireless Communications	3-1-0-4	Ubaidulla
		EC5.409	Radar Systems	3-1-0-4	K R Sarma
		EC5.406	Signal Detection and Estimation Theory	3-1-0-4	Praful Mankar
	VLSI and Embedded Systems Stream				
		EC2.401	Analog IC Design	3-1-0-4	Abhishek Srivastava
		EC2.407	Design for Testability	3-1-0-4	Ganesh V. Bhutekar, Renia Inc.
		CS2.401	FPGA based Accelerator Design	3-1-0-4	Suresh Purini + Padmini Gopalakrishnan
		EC2.406	CMOS Radio Frequency Integrated Circuit Design	3-1-0-4	Syed Azeemuddin
	Robotics Stream				
		CS7.503	Mobile Robotics	3-1-0-4	Madhava Krishna
		CS7.404	Digital Image Processing	3-1-0-4	Sudipta Banerjee
		EC4.401	Robotics: Dynamics and Control	3-1-0-4	Spandan Roy + Nagamanikandan G
		CS7.502	Topics in Machine Learning **Prerequisite: Statistical Methods in AI**	3-1-0-4	Naresh Manwani
		CS7.403	Statistical Methods in AI	3-1-0-4	Anoop Namboodiri

Electives for PG CASE students

		CE4.601	Applied Regression Analysis	3-1-0-4	Venkateshwarlu M
		CS4.408	Spatial Informatics	3-1-0-4	Rajan KS
		CE0.501	Theory of Elasticity and Plasticity	3-1-0-4	Pravin Kumar Venkat Rao
		CE1.607	Earthquake Resistant Design of Masonry Structures	3-1-0-4	Pravin Kumar Venkat Rao
		CE1.604	Advanced Structural Design	3-1-0-4	Sunitha P
		CS9.428	Environmental Science & Technology	3-1-0-4	RC Prasad
		CE1.605	IS Codes on Design and Structural Safety Assessment	3-1-0-4	Pradeep Kumar R
		CE1.509	Structural Wind Engineering	3-1-0-4	Shaik Rehana

Bouquet Courses -Max. no of students for each course is given in the brackets

Theory

		CS1.405	Modern Complexity Theory **(100)**	3-1-0-4	Girish Varma + Nitin Saurabh
		CS1.402	Principles of Programming Languages **(100)**	3-1-0-4	Amey Karkare, IIT Kanpur

Systems

		CS3.401	Distributed Systems **(150)**	3-1-0-4	Kishore Kothapalli
		CS4.401	Data Systems **(150)**	3-1-0-4	Kamal Karlapalem

		CS3.402	Advanced Computer Networks **(150)**	3-1-0-4	Ankit Gangwal
Artificial Intelligence					
		CS7.403	Statistical Methods in AI **(200)**	3-1-0-4	Anoop Namboodiri
		CS4.406	Information Retrieval & Extraction **(100)**	3-1-0-4	Vasudeva Varma
		CS7.501	Advanced NLP **(100)**	3-1-0-4	Manish Shrivastava
		CS4.405	Data Analytics I **(100)**	3-1-0-4	Vikram Pudi
IT + X					
		CS9.426	Intro to Cognitive Science **(50)**	3-1-0-4	Priyanka Srivastava + Vishnu Sreekumar
		CS4.408	Spatial Informatics **(50)**	3-1-0-4	Rajan KS
CPS					
		CS3.502	Real-Time Systems **(50)**	3-1-0-4	Deepak Gangadhran
CSE/Open Electives					
		CS8.501	Research in Information Security	3-0-1-4	Ashok Kumar Das
		CS4.404	Advanced Data Systems	3-1-0-4	Krishna Reddy P
		CS9.425	Social Science Perspective on HCI **(Open Elective) (Max:60 Students)**	3-1-0-4	Nimmi Rangaswamy
		CS3.403	Distributing Trust and Block Chains **(Max: 40 Students)**	3-1-0-4	Sujit Gujar
		CS9.428	Environmental Science & Technology **(Open Elective)**	3-1-0-4	RC Prasad
		CS9.427	Introduction to Neural and Cognitive Modeling	3-1-0-4	Bapi Raju S
		CL3.202	Computational Linguistics II: Comp Semantics and Discourse parsing	3-1-0-4	Radhika Mamidi
		CS9.421	Behavioral Research & Experimental Design **(30)**	3-1-0-4	Vinoo Alluri + Bapi Raju S
		CS9.424	Technology Product Entrepreneurship **(50)**	3-1-0-4	Ramesh Logangathan + Prakash Yalla
		CE5.502	Hydrological modelling and Software Development **(40) (Open Elective)**	3-1-0-4	Shaik Rehana
		CS9.313	Eco-Informatics **(Open Elective)**	3-1-0-4	RC Prasad
		CS6.501	Topics in Software Engineering	3-1-0-4	Raghu Reddy + Vasudeva Varma + Pankaj Jalote (IIITD)
		CS9.423	Introduction to Neuroeconomics **(26)**	3-1-0-4	Kavita Vemuri + Guest Facutly
		CS4.407	Online Privacy	3-1-0-4	Ponnurangam K
		CS2.401	FPGA based Accelerator Design	3-1-0-4	Suresh Purini + Padmini Gopalakrishnan
		CS7.504	Fairness, Privacy and Ethics in AI	3-1-0-4	Sujit Gujar
		CS3.306	Algorithms and Operating Systems **(Open Elective for UG ECE/D students only)**	3-1-0-4	Lini Thomas
		CL5.401	Topics in SSMT	3-1-0-4	Anil Vuppala + Rajeev Sangal + Dipti M Sharma
		CS9.429	Design for Social Innovation	3-1-0-4	Ramesh Loganathan + Ramana Gogula

Math Electives (Random selection) Maximum no. of students for the following courses is: 50 each)					
		CE4.501	Finite Element Method	3-1-0-4	Venkateshwarlu M
		MA4.404	Functional Analysis	3-1-0-4	Lakshmi Burra
		MA8.401	Topics in Applied Optimization	3-1-0-4	Pawan Kumar
Science Electives (Random selection) Max. no of students for each course is given in the brackets					
		SC2.310	Selected topics in Instrumental Analysis **(65)**	3-1-0-4	Tapan Kumar Sau
		SC2.315	Molecular symmetry and quantum mechanics **(45)**	3-1-0-4	Harjinder Singh
		SC3.320	Advanced Biomolecular Architecture **(65)**	3-1-0-4	Deva Priyakumar
		SC3.321	Biomolecular Structure Interaction & Dynamics **(35)** **Prerequisites: ABA, GSC or equivalent**	3-1-0-4	B.Gopalakrishnan
		SC1.310	Open Quantum Systems and Quantum Thermodynamics **(40)**	3-1-0-4	Samyadeb Bhattacharya
		SC1.320	Introduction to Stochastic Processes **(40)**	3-1-0-4	Bhaswar Ghosh
		SC3.316	Mathematical Models in Biology **(40)**	3-1-0-4	Abhishek Deshpande
		SC1.421	Introduction to Quantum Field Theory **(40)**	3-1-0-4	Diganta Das

Humanities Electives for UG3 and UG4 (Random selection) Max. no of students for each course is 40					
		HS1.205	Understanding Raga: Semi Classical Forms of Indian Music	3-1-0-4	Saroja TK
		HS3.201	Introduction to History	3-1-0-4	Aniket Alam
		HS2.201	Introduction to Sociology	3-1-0-4	Radhika Krishnan
		HS2.202	Intro to Psychology	3-1-0-4	Priyanka Srivastava + Vishnu Sreekumar
		HS8.201	Gender and Society	3-1-0-4	Sushmita Banerjee
		HS1.301	Critical Viewing and Reading	3-1-0-4	Sushmita Banerjee **(25)**
		CS9.425	Social Science Perspective on HCI	3-1-0-4	Nimmi Rangaswamy **(60)**
		HS1.204	Introduction to Literature	3-1-0-4	Nazia Akhtar
		HS4.301	Environment & Politics in India	3-1-0-4	Radhika Krishnan **(25)**

Sd/-

Date:26.7.2021 **Dean (Academics)**