International Institute of Information Technology, Hyderabad
Course offerings in 2022-23 Semester I (Monsoon)

UG Programmes

CD	AD	CNO	CName	Credits	Faculty Name(s)
B.Tech I year I Semester - CSE&CSD					
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das + Venkatesh Choppella
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Abhishek Deshpande + Sudipta Banerjee
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
Pr	MA	MA4.101a	Real Analysis	3-1-0-4	Siddhartha Das + Diganta Das
In	HS	OC2.101	Arts-1	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1	0-2-0-2	**TBD**
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 14-8-6-23		
B.Tech I year I Semester - ECE&ECD					
Pr	MA	EC5.101	Networks, Signals and Systems	3-1-0-4	Anshu Sarje, Santosh Nannuru
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Abhishek Deshpande + Sudipta Banerjee
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
Pr	MA	MA4.101a	Real Analysis	3-1-0-4	Siddhartha Das + Diganta Das
Pr	CS	EC2.102	Electronic Workshop-1 **(H2)**	2-0-3-2	K Madhava Krishna, Chiranjeevi Yarra
In	HS	OC2.101	Arts-1	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1	0-2-0-2	**TBD**
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 16-8-9-25		
B.Tech I year I Semester – CND					
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das + Venkatesh Choppella
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Abhishek Deshpande + Sudipta Banerjee
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
Pr	MA	MA4.101a	Real Analysis	3-1-0-4	Siddhartha Das + Diganta Das
Pr	CNS	CN4.110	Computing in Sciences-1 **(H)**	2-0-3-2	Prabhakar Bhimalapuram
In	HS	OC2.101	Arts-1	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1	0-2-0-2	**TBD**
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 16-8-9-25		
B.Tech I year I Semester – CLD					
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das + Venkatesh Choppella
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Abhishek Deshpande + Sudipta Banerjee

Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
Pr	CS	CL1.101	Introduction to Linguistics-1	3-1-0-4	Aditi Mukherjee
In	HS	OC2.101	Arts-1	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1	0-2-0-2	**TBD**
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 14-8-6-23		

B.Tech I year I Semester – CHD

Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Ashok Kumar Das + Venkatesh Choppella
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Abhishek Deshpande + Sudipta Banerjee
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
Pr	HS	HS8.101	Making of Contemporary World	3-1-0-4	Aniket Alam
Pr	HS	HS7.101	Human Sciences Lab-1 **(H2)**	3-1-0-2	Radhika Krishnan
In	OT	OC2.101	Arts-1	2-0-0-2	Saroja T K (Coordinator)
In	OT	OC3.101	Value Education-1	0-2-0-2	**TBD**
In	OT	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 17-9-6-25		

B.Tech II year I Semester - CSE/CSD

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar + Tejas Bodas
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy Polepalli
Pr	CS	CS1.302	Automata Theory **(H1)**	3-1-0-2	Shantanav Chakraborty
Pr	CS	CS4.301	Data and Applications **(H2)**	3-1-0-2	Ponnurangam Kumaraguru
Pr	EC	EC3.202	Embedded Systems Workshop **(H2)**	1-0-3-3	Aftab M. Hussain + Zia Abbas
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 19-10-3-26 (H1-21; H2-22)		

LE-CSD-2K22 I year I Semester

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar + Tejas Bodas
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy Polepalli
Pr	CS	CS1.302	Automata Theory **(H1)**	3-1-0-2	Shantanav Chakraborty
Pr	CS	CS4.301	Data and Applications **(H2)**	3-1-0-2	Ponnurangam Kumaraguru
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 15-7-0-17 (H1-15; H2-15)		

B.Tech II year I Semester - ECE/ECD

Pr	MA	MA6.102	Probability and Random Processes	3-1-0-4	Praful Mankar
Pr	EC	EC5.201	Signal Processing	3-1-3-5	Chiranjeevi Yarra + Jayanthi Sivaswamy
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod Palakkad Krishnanunni
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Zia Abbas
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 15-9-3-24 (H1-24; H2-22)		

LE-ECD-2K22 I year I Semester

Pr	MA	MA6.102	Probability and Random Processes	3-1-0-4	Praful Mankar
Pr	EC	EC5.201	Signal Processing	3-1-3-5	Chiranjeevi Yarra + Jayanthi Sivaswamy
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod Palakkad Krishnanunni
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Zia Abbas
Pr	OT		Open Elective-1	3-1-0-4	
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 15-7-3-22		

B.Tech II year I Semester –CND

Pr	MA	MA6.102	Probability and Random Processes	3-1-0-4	Praful Mankar
Pr	CS	SC1.203	Quantum Mechanics	3-1-0-4	Subhadip Mitra
Pr	CS	SC3.101	Introduction to Biology	3-1-0-4	Vinod Palakkad Krishnanunni
Pr	CS	SC4.110	Science Lab I **(H1)**	0-0-3-2	Tapan Kumar Sau +Prabhakar Bhimalapuram
Pr	CNS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
Pr	CS	CS4.301	Data and Applications **(H2)**	2-0-3-2	Ponnurangam Kumaraguru
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 17-9-6-27 (H1-25; H2-23)		

B.Tech II year I Semester –CLD

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar + Tejas Bodas
Pr	CS	CL2.203	Language and Society	3-1-0-4	Dipti Mishra Sharma
Pr	CS	CL3.202	Computational Linguistics II: Comp Semantics and Discourse parsing	3-1-0-4	Radhika Mamidi
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab M. Hussain, Harikumar K, Ubaidulla Pandarakkottilil
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 15-9-3-24 (H1-24; H2-22)		

B.Tech II year I Semester –CHD

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Pawan Kumar + Tejas Bodas
Pr	HS	HS0.201	Thinking and Knowing in the Human Sciences - I	3-1-0-4	Sushmita Banerji + Ashwin Jayanti
Pr	HS	HS0.202	Thinking and Knowing in the Human Sciences - II	3-1-0-4	Nazia Akhtar + Radhika Krishnan
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	CS	CS4.301	Data and Applications **(H2)**	2-0-3-2	Ponnurangam Kumaraguru
Pr	CS	CS1.302	Automata Theory **(H1)**	3-1-0-2	Shantanav Chakraborty
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Radhika Mamidi (Coordinator)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 17-9-3-23 (H1-21; H2-19)		

B.Tech III year I Semester – CSE

Pr	EC	EC3.202a	Embedded Systems Workshop **(H1)**	1-0-3-3	Sachin Chaudhari + Abhishek Srivastava
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	EC3.202a	Embedded Systems Workshop **(H1)**	1-0-3-3	Sachin Chaudhari + Abhishek Srivastava
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		

LE-CSD-2K21 II year I Semester

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-2	3-1-0-4	
PR	CS		Stream Elective-1	3-1-0-4	
Pr	CS	CS9.302	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-2K21 II year I Semester

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

Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy Polepalli
Pr	CNS	SC2.304	Spectroscopy**(H1)**	3-1-0-2	Krishnan Marimuthu
Pr	CNS	SC2.305	Chemical Kinetics and Reaction Dynamics **(H2)**	3-1-0-2	Prabhakar Bhimalapuram
Pr	CNS	SC3.202	Bioinformatics **(H1)**	3-1-0-2	Nita Parekh
Pr	CNS	SC3.203	Systems Biology **(H2)**	3-1-0-2	Vinod Palakkad Krishnanunni
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	Abhishek Deshpande
			Total 12-4-6-18		

B.Tech III year I Semester – CLD

Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy Polepalli
Pr	CL	CS7.501	Advanced NLP	3-1-0-4	Manish Srivastava
Pr	OT		Open Elective-2	3-1-0-4	
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 15-7-6-22		

B.Tech III year I Semester – CHD

Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Krishna Reddy Polepalli
Pr	HS	HS0.303	Applied Ethics	3-1-0-4	Ashwin Jayanti/Guest Faculty
Pr	OT		Open Elective-3	3-1-0-4	
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

Pr	CS	CS9.401/CS9.402	BTP II / CSE-Honours Project III	0-2-6-2	
Pr	HS	HS0.203	Basics of Ethics **(H2)**	3-1-0-2	Ashwin Jayanti
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	
			Total 12-6-6-16		

B.Tech IV year I Semester - CSD

Pr	CS	CS9.402	CSE-Honours Project III	0-2-6-2	
Pr	HS	HS0.203	Basics of Ethics **(H2)**	3-1-0-2	Ashwin Jayanti
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	
			Total 15-7-6-20		

LE-CSD-2K20 III year I Semester

Pr	CS	CS9.402	CSE-Honours Project III	0-2-6-2	
Pr	HS	HS0.203	Basics of Ethics **(H2)**	3-1-0-2	Ashwin Jayanti
Pr	CS		Stream Elective-3	3-1-0-4	
Pr	CS		Bouquet Core-4	3-1-0-4	
Pr	OE		Open Elective-4	3-1-0-4	
Pr	OE		Open Elective-5	3-1-0-4	
			Total 15-5-6-20		

B.Tech IV year I Semester - ECE

Pr	EC	EC9.401/EC9.402	BTP II/ECE-Honours Project III	0-2-6-2	
Pr	HS	HS0.203	Basics of Ethics **(H2)**	3-1-0-2	Ashwin Jayanti
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	
			Total 12-4-6-16		

B.Tech IV year I Semester – ECD and LED-2K20 III year I semester

Pr	EC	EC9.402	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 **(H2)**	3-1-0-2	Ashwin Jayanti
			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 **(H2)**	3-1-0-2	Ashwin Jayanti
Pr	CNS	SC9.600	CCNSB Seminar-3	0 Cr	Abhishek Deshpande
			Total 12-6-6-16		
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	
Pr	OE		Open Elective-2	3-1-0-4	
Pr	HS	HS0.203	Basics of Ethics **(H2)**	3-1-0-2	Ashwin Jayanti
			Total 15-7-6-20		
B.Tech IV year I Semester – CHD					
Pr	HS	HS9.402	HS-Honours Project-3	0-2-6-2	
OT	HS		Human Sciences Elective-4	3-1-0-4	
OT	HS		Human Sciences Elective-5	3-1-0-4	
Pr	MA		Maths Elective	3-1-0-4	
Pr	CS		CS Elective-4	3-1-0-4	
OT	OT		Open Elective-3	3-1-0-4	
			Total 15-7-6-22		
B.Tech V year I Semester – CND					
Pr	CNS	SC9.605	Thesis	12 Cr	
OT	OT		Open Elective 1	3-1-0-4	
Pr	CNS	SC9.600	CCNSB seminar - 5	0 Cr	
			Total 3-1-0-16		

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
In	MA	MA6.301	Maths for Computer Science 1- Probability and Statistics (H1)	3-1-0-2	Pawan Kumar
In	MA	MA6.302	Maths for Computer Science 2 - Linear Algebra (H2)	3-1-0-2	Girish Varma
In	CS	CS6.302	Software Systems Development	3-0-2-4	Charu Sharma

In	CS	CS3.304	Advanced Operating Systems	3-1-0-4	Manish Srivastava
			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 Palissery
In	CS	CS0.301	Computer Problem Solving	3-1-0-4	Lini Teresa Thomas
In	SE	CE4.501	Finite Element Methods	3-1-0-4	Venkateswarlu Mandadi
In	SE	CE1.502	Structural Engineering Design Studio	3-1-0-4	Pradeep Kumar Ramancharla
In	SE	CE0.501	Theory of Elasticity	3-1-0-4	P 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	Nagamanikandan Govindan + Sachin Chaudhari
In	CE		CASE Elective-4	3-1-0-4	
In	CE		CASE Elective-5	3-1-0-4	
In	CE		CASE Elective-6	3-1-0-2	
			Total 12-4-0-14		

M.Tech I Year I Semester – Product Design and Management

In	CS	CS6.302	Software Systems Development **(Optional)**	3-1-0-4	Charu Sharma
Pr	CS	CS9.501	User Research Methods **(H2)**	3-1-0-2	Priyanka Srivastava
Pr	PD	PD1.301	Design Thinking - Research to Define **(H1)**	3-1-0-2	Raman Saxena
Pr	PD	PD1.401	Design Thinking - Idea to Evaluate **(H2)**	3-1-0-2	Raman Saxena
Pr	PD	PD2.401	Product Management 101 **(H1)**	3-1-0-2	Ramesh Loganathan / Ramesh Swaminathan
Pr	PD	PD2.321	Business Fundamentals-1 **(H1)**	3-1-0-2	Himanshu Warudkar
Pr	PD	PD2.421	Business Fundamentals-2 **(H2)**	3-1-0-2	Himanshu Warudkar
In	OT	OC9.600	Institute Seminar	0-0-0-1	Guest Speakers
In	CS	CS9.410	PG-Project	0-0-2-1	Ramesh Loganathan
			Total 15-5-2-18/22		

M.Tech I Year II Semester – Product Design and Management

Pr	PD	PD2.422	Business Finance (H1)	3-1-0-2	Mayank Mathur
In	OT	OC9.600	Institute Seminar	0-0-0-1	Guest Speakers
In	CS	CS9.410	PG-Project	0-0-2-1	Ramesh Loganathan
Pr	PD		Product Design Elective 1	3-1-0-2	
Pr	PD		Product Design Elective 2	3-1-0-2	
Pr	PD		Product Design Elective 3	3-1-0-2	

Pr	PD		Business Elective 1	3-1-0-2	
Pr	PD		Business Elective 2	3-1-0-2	
Pr	PD		Business Elective 3	3-1-0-2	
			Total 21-7-2-16		

Electives

		CNO	CName	Credits	Faculty Name(s)
Electives for CND Students					
		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
		SC2.401	Topics in Nanosciences	3-1-0-4	Tapan Kumar Sau
		SC4.412	Data Driven Drug Discovery	3-1-0-4	Deva Priyakumar
		SC1.320	Introduction to Stochastic Processes **(40)**	3-1-0-4	Bhaswar Ghosh
Electives for CLD Students					
		CS4.406	Information Retrieval & Extraction	3-1-0-4	Vasudeva Varma Kalidindi
		EC5.408	Speech Signal Processing	3-1-0-4	Anil Kumar Vuppala
		CS9.426	Intro to Cognitive Science	3-1-0-4	Vishnu Sreekumar
		CL5.401	Topics in SSMT	3-1-0-4	Rajeev Sangal + Anil Kumar V + Dipti M Sharms + Chiranjeevi Y
		CL2.405	Speech Analysis and Linguistics	3-1-0-4	Chiranjeevi Yarra
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	Santosh Ravi Kiran
		EC5.408	Speech Signal Processing	3-1-0-4	Anil Kumar Vuppala
		CS7.403	Statistical Methods in AI	3-1-0-4	Anoop Namboodiri
		EC5.407	Wireless Communications	3-1-0-4	Praful Mankar
		EC5.406	Signal Detection and Estimation Theory	3-1-0-4	Santosh Nannuru
		EC5.411	Modern Coding Theory	3-1-0-4	Prasad Krishnan
	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	Usha Gogineni (Guest Faculty)
		EC2.409	Principles of Semiconductor Devices	3-1-0-4	Anshu Sarje
	Robotics Stream				
		CS7.503	Mobile Robotics	3-1-0-4	K Madhava Krishna
		CS7.404	Digital Image Processing	3-1-0-4	Santosh Ravi Kiran
		EC4.401	Robotics: Dynamics and Control	3-1-0-4	Spandan Roy + Nagamanikandan Govindan
		CS7.403	Statistical Methods in AI	3-1-0-4	Anoop Namboodiri
Electives for PG CASE students					

		CS4.408	Spatial Informatics	3-1-0-4	Rajan Krishnan Sundara
		CE1.607	Earthquake Resistant Design of Masonry Structures	3-1-0-4	P Pravin Kumar Venkat Rao
		CE1.604	Advanced Structural Design	3-1-0-4	Sunitha Palissery
		CS9.428	Environmental Science & Technology	3-1-0-4	Ramachandra Prasad Pillutla
		CE1.605	IS Codes on Design and Structural Safety Assessment	3-1-0-4	Pradeep Kumar Ramancharla
		CE1.509	Structural Wind Engineering	3-1-0-4	Rehana Shaik
		CE9.600	CASE Seminar	0-2-0-2	Pradeep Kumar R + Sunitha Palissery

Electives for M.Tech PDM students - Open electives for other students - Max 20 students only

PD Electives		PD1.501	Human Computer Interaction (HCI)	3-1-0-2	Raman Saxena
		PD1.411	Product Design Workshop (H1)	3-1-0-2	Prakash Yalla + Deepak Guna
		PD1.502	Design of Wearable Systems (H2)	3-1-0-2	Raghu Reddy
		CS9.438	Game Design and Engineering	3-1-0-4	Kavita Vemuri
Business/ Entrepren Electives		PD2.431	Technology Product Entrepreneurship 1(H1)	3-1-0-2	Ramesh Loganathan + Prakash Yalla
		PD2.432	Technology Product Entrepreneurship 2(H2)	3-1-0-2	Ramesh Loganathan + Prakash Yalla
		PD2.423	Organizational Operations	3-1-0-2	Mayank Mathur

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	Srinathan Kannan
		CS1.402	Principles of Programming Languages **(100)**	3-1-0-4	Venkatesh Choppella + Mrityunjay Kumar (PhD Scholar)

Systems

		CS3.401	Distributed Systems **(150)**	3-1-0-4	Kishore Kothapalli
		CS4.401	Data Systems **(150)**	3-1-0-4	Kamalakar 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 Kalidindi
		CS7.501	Advanced NLP **(100)**	3-1-0-4	Manish Srivastava
		CS4.405	Data Analytics I **(100)**	3-1-0-4	Krishna Reddy Polepalli

IT + X

		CS9.426	Intro to Cognitive Science **(50)**	3-1-0-4	Vishnu Sreekumar
		CS4.408	Spatial Informatics **(50)**	3-1-0-4	Rajan Krishnan Sundara

CPS

		CS3.502	Real-Time Embedded Systems	3-1-0-4	Deepak Gangadharan

CSE/Open Electives

		CS8.501	Research in Information Security	3-0-1-4	Ashok Kumar Das
		CS9.425	Social Science Perspective on HCI **(Open Elective) (Max:80 Students)**	3-1-0-4	Nimmi Rangaswamy
		CS3.403	Distributing Trust and Block Chains **(Max: 40 Students)**	3-1-0-4	Sujit P Gujar
		CS9.428	Environmental Science & Technology **(Open Elective)**	3-1-0-4	Ramachandra Prasad Pillutla

		CS9.427	Introduction to Neural and Cognitive Modeling	3-1-0-4	Bapiraju Surampudi
		CS9.421	Behavioral Research & Experimental Design **(50)**	3-1-0-4	Vinoo A R
		CE5.502	Hydrological modelling and Software Development **(40) (Open Elective)**	3-1-0-4	Rehana Shaik
		CS6.501	Topics in Software Engineering	3-1-0-4	Raghu Reddy Y
		CS9.423	Introduction to Neuroeconomics **(26)**	3-1-0-4	Kavita Vemuri + Guest faculty
		CS7.504	Fairness, Privacy and Ethics in AI	3-1-0-4	Sujit P Gujar
		CL5.401	Topics in SSMT	3-1-0-4	Rajeev Sangal + Anil Kumar V + Dipti M Sharms + Chiranjeevi Y
		CS9.429	Design for Social Innovation	3-1-0-4	Ramesh Loganathan + Ramana Gogula
		CS7.601	Deep Learning: Theory and Practices **(Max: 50)**	3-1-0-4	Naresh Manwani
		CS5.502	Advanced Graphics AR/VR	3-1-0-4	Avinash Sharma +Narayanan P J
		CS4.502	Advances in Data Mining **(For Research Students only) Prerequisite: Data Analytics-1**	3-1-0-4	Vikram Pudi
		CS9.438	Game Design and Engineering	3-1-0-4	Kavita Vemuri
		CS9.439	Learning and Memory **(Max 70)**	3-1-0-4	Bhaktee Dongaonkar
		CS7.507	Multi Agent Systems **(40)**	3-1-0-4	Praveen Paruchuri + Meghna Lowalekar
		EC5.410	Information Theory	3-1-0-4	Lalitha Vadlamani + Arti Yardi
		CL2.405	Speech Analysis and Linguistics	3-1-0-4	Chiranjeevi Yarra
		EC5.411	Modern Coding Theory	3-1-0-4	Prasad Krishnan
		EC1.301	Bio Instrumentation & Devices-2 **(H2)- Max 8 only with pre-approval**	3-1-0-2	Anshu Sarje
		MA8.401	Topics in Applied Optimization	3-1-0-4	Pawan Kumar

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

		MA4.405	Multivariate Analysis	3-1-0-4	Venkateswarlu Mandadi
		CS1.407	Entropy and Information	3-1-0-4	Indranil Chakrabarty
		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

		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
		SC4.412	Data Driven Drug Discovery **(40)**	3-1-0-4	Deva Priyakumar
		SC2.401	Topics in Nanosciences **(60)**	3-1-0-4	Tapan Kumar Sau

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 T K
		HS3.303	Theories and Practices of Nationalism **(25)**	3-1-0-4	Aniket Alam
		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
		HS8.201	Gender and Society	3-1-0-4	Sushmita Banerji
		HS1.301	Critical Viewing and Reading **(25)**	3-1-0-4	Sushmita Banerji
		CS9.425	Social Science Perspective on HCI **(80)**	3-1-0-4	Nimmi Rangaswamy
		HS1.204	Introduction to Literature	3-1-0-4	Nazia Akhtar
		HS4.301	Environment & Politics in India	3-1-0-4	Radhika Krishnan
		HS4.201	Introduction to Politics **(50)**	3-1-0-4	Aakansha Natani

Sd/-

Date:24.6.2022   **Dean (Academics)**