International Institute of Information Technology, Hyderabad
Course offerings in 2023-24 Semester I (Monsoon)
UG Programmes

					Version-2 (20.6.2023)
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	Srinathan K + Pawan Kumar
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Abhishek Deshpande + Girish Varma + Shantanav Chakraborthy
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Hari Kumar K + Ubaidulla P
Pr	MA	MA4.101a	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
In	HS	OC2.101	Arts-1 **(H1)**	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	Santosh Nannuru + Anshu Sarje
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Abhishek Deshpande + Girish Varma + Shantanav Chakraborthy
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Hari Kumar K + Ubaidulla P
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
Pr	CS	EC2.102	Electronic Workshop-1 **(H2)**	2-0-3-2	Chiranjeevi Yarra + Ubaidulla P
In	HS	OC2.101	Arts-1 **(H1)**	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	Srinathan K + Pawan Kumar
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Abhishek Deshpande + Girish Varma + Shantanav Chakraborthy
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Hari Kumar K + Ubaidulla P
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya
Pr	CNS	SC4.101	Computing in Sciences-1**(H2)**	2-0-3-2	U Deva Priyakumar
In	HS	OC2.101	Arts-1 **(H1)**	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	Srinathan K + Pawan Kumar
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Abhishek Deshpande + Girish Varma + Shantanav Chakraborthy
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Hari Kumar K + Ubaidulla P
Pr	CS	CL1.101	Introduction to Linguistics-1	3-1-0-4	Aditi Mukherjee + Rajakrishnan
In	HS	OC2.101	Arts-1 **(H1)**	2-0-0-2	Saroja T K (Coordinator)

In	HS	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	Srinathan K + Pawan Kumar
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Abhishek Deshpande + Girish Varma + Shantanav Chakraborthy
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Aftab Hussain + Hari Kumar K + Ubaidulla P
Pr	HS	HS4.102	Making of the Contemporary India	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 **(H1)**	2-0-0-2	Saroja T K (Coordinator)
In	OT	OC3.101	Value Education-1 **(H1)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	Tejas Bodas
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Ch
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Karthik Vaidhyanathan
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	Abhishek Srivastava + Zia Abbas
Pr	SC	SC1.110	Science 1	3-1-0-4	Harjinder Singh + Bhaswar Ghosh
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 19-8-3-24		

LE-CSD-2K22 I year I Semester

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Tejas Bodas
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Ch
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Karthik Vaidhyanathan
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		

B.Tech II year I Semester - ECE/ECD

Pr	MA	MA6.102	Probability and Random Processes	3-1-0-4	Gowtham Kurri
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 PK
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Zia Abbas
Pr	SC	SC1.110	Science 1	3-1-0-4	Harjinder Singh + Bhaswar Ghosh
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 15-9-3-24		

LE-ECD-2K22 I year I Semester

Pr	MA	MA6.102	Probability and Random Processes	3-1-0-4	Gowtham Kurri
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 PK
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Zia Abbas
Pr	SC	SC1.110	Science 1	3-1-0-4	Harjinder Singh + Bhaswar Ghosh
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	Gowtham Kurri
Pr	CS	SC1.203	Quantum Mechanics	3-1-0-4	Subhadip Mitra
Pr	CS	SC3.101	Introduction to Biology	3-1-0-4	Vinod PK
Pr	CS	SC4.110	Science Lab I **(H1)**	0-0-3-2	Tapan Kumar Sau + Chittaranjan Hens
Pr	CNS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Ch
Pr	CS	CS1.302	Automata Theory **(H1)**	3-1-0-2	Shantanav Chakraborty
Pr	CS	CS4.301	Data and Applications **(H2)**	2-0-3-2	Ponnurangam Kumaraguru
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 17-7-6-23		

B.Tech II year I Semester –CLD

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Tejas Bodas
Pr	CS	CL2.203	Language and Society	3-1-0-4	Radhika Mamidi
Pr	CS	CL3.202	Computational Linguistics II: Comp Semantics and Discourse parsing	3-1-0-4	Parameshwari K + Rajakrishnan
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Ch
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	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 15-7-0-21		

B.Tech II year I Semester –CHD

Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Tejas Bodas
Pr	HS	HS0.301	Classical Text Reading-1	3-1-0-4	Ashwin Jayanti + Sushmita Banerji
Pr	HS	HS0.202	Thinking and Knowing in the Human Sciences - II	3-1-0-4	Radhika Krishnan + Isha Dubey
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Ch
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	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 17-7-3-21		

B.Tech III year I Semester – CSE

Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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 15-5-0/6-20/22		

B.Tech III year I Semester - CSD

Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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 16-7-9-26		

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	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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	HS		HSS Elective-1	3-1-0-4	
Pr	MA		Maths Elective	3-1-0-4	
Pr	EC		ECE-Honours-1 (Optional)	0-2-6-2	
			Total 18-6-0/6-24/26		
B.Tech III year I Semester – ECD and LED-2K22 II year I Semester					
Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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	
Pr	MA		Maths Elective	3-1-0-4	
OT	HS		HSS Elective-1	3-1-0-4	
Pr	EC		ECE-Honours-1	0-2-6-2	
			Total 18-6-6-26		
B.Tech III year I Semester – CND					
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Karthik Vaidhyanathan
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	Harjinder Singh
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	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	Karthik Vaidhyanathan
Pr	CL	CS7.501	Advanced NLP	3-1-0-4	Manish Srivastava
Pr	CL	CL9.302	CL-Honours-1	0-2-6-2	
Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
Pr	CS		CS Elective-1	3-1-0-4	
OT	HS		HSS Elective - 1	3-1-0-4	
			Total 15-7-6-22		
B.Tech III year I Semester – CHD					
Pr	CS	CS3.301	Operating Systems and Networks	3-1-0-4	Karthik Vaidhyanathan
Pr	HS	HS0.303	Applied Ethics	3-1-0-4	Saurabh Todariya
Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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 + Shipra Dikshit
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 + Shipra Dikshit
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 + Shipra Dikshit
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 + Shipra Dikshit
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-2K21 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 + Shipra Dikshit
			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 + Shipra Dikshit
Pr	CNS	SC9.600	CCNSB Seminar-3	0 Cr	Abhishek Deshpande
			Total 12-6-6-16		
B.Tech IV year I Semester – CLD					
Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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	HS	HS0.203	Basics of Ethics (H2)	3-1-0-2	Ashwin Jayanti + Shipra
			Total 15-7-6-20		

B.Tech IV year I Semester – CHD

Pr	SC	SC1.110a	Science 1	3-1-0-4	Abhishek Deshpande + Diganta Das
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	
			Total 15-7-6-22		

B.Tech V year I Semester – CSD

Pr	CS	CS9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

B.Tech V year I Semester – ECD

Pr	EC	EC9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

B.Tech V year I Semester – CLD

Pr	CL	CL9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

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		

B.Tech V year I Semester – CHD

Pr	HS	HS9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

LE-CSD-2K20-IV year I Semester

Pr	CS	CS9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

LE-ECD-2K20-IV year I Semester

Pr	EC	EC9.605	Thesis	12 Cr	
Pr	OT	OC9.600	Institute Seminar	1 Cr	
			Total 13 credits		

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	Uttam Singh

In	MA	MA6.302	Maths for Computer Science 2 - Linear Algebra (H2)	3-1-0-2	Uttam Singh
In	CS	CS6.302	Software Systems Development	3-0-2-4	Charu Sharma
In	CS	CS3.304	Advanced Operating Systems	3-1-0-4	P Krishna Reddy
			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	**TBD**
In	SE	CE1.502	Structural Engineering Design Studio	3-1-0-4	**TBD**
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	PD2.421	Business Fundamentals	3-1-0-4	Santanu Mandal
			Bridge / Technology / Systems Elective	3-1-0-4	
In	OT	PDM.601	PDM-Seminar	0 Cr	Guest Speakers
			Total 15-5-2-16		

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

Pr	PD	PD9.403	PDM Project-3	12 Cr	

			Technology / Systems / Open Elective	3-1-0-4	
Pr	PD				
			Total 4-1-0-16		

Electives

		CNO	CName	Credits	Faculty Name(s)
		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	Rahul Mishra
		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	Chiranjeevi Yarra
		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	Anoop M Namboodiri
		EC5.408	Speech Signal Processing	3-1-0-4	Anil Kumar Vuppala
		CS7.403	Statistical Methods in AI	3-1-0-4	Ravi Kiran S
		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	Lalitha Vadlamani
	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
			Advanced Computer Architecture	3-1-0-4	Suresh Purini
	Robotics Stream				
		CS7.503	Mobile Robotics	3-1-0-4	K Madhava Krishna
		CS7.404	Digital Image Processing	3-1-0-4	Anoop M Namboodiri
		EC4.401	Robotics: Dynamics and Control	3-1-0-4	Nagamanikandan Govindan + Spandan Roy
		CS7.403	Statistical Methods in AI	3-1-0-4	Ravi Kiran S
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	**TBD**
		CE1.509	Structural Wind Engineering	3-1-0-4	Rehana Shaik
		CE9.600	CASE Seminar	0-2-0-2	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		CS9.424	Technology Product Entrepreneurship	3-1-0-4	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	Ashok Kumar Das + Srinathan Kannan
		CS1.402	Principles of Programming Languages **(100)**	3-1-0-4	Venkatesh Choppella

Systems

		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	Ravi Kiran S
		CS4.406	Information Retrieval & Extraction **(100)**	3-1-0-4	Rahul Mishra
		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
		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 Alluri
		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 + **TBD**

		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	Chiranjeevi Yarra
		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
		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	Prasad Krishnan
		CL2.405	Speech Analysis and Linguistics	3-1-0-4	Chiranjeevi Yarra
		EC5.411	Modern Coding Theory	3-1-0-4	Lalitha Vadlamani
			Advanced Computer Architecture	3-1-0-4	Suresh Purini
		MA8.401	Topics in Applied Optimization **(Open Elective)**	3-1-0-4	Pawan Kumar
		CS9.424	Technology Product Entrepreneurship	3-1-0-4	Ramesh Loganathan + Prakash Yalla
			Cognitive Science Seminar	0 Cr	Vishnu Sreekumar + Bhaktee Dongaonkar
		CS3.306	Algorithms and Operating Systems **(Open Elective) Only for UG ECE/D students**	3-1-0-4	Lini Teresa Thomas
		CS4.409	Data Foundation Systems	3-1-0-4	Vikram Pudi + G Venu Gopal
		CS9.431	ICTs for Development **(Open Elective)**	3-1-0-4	Nimmi Rangaswamy

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

		CS1.407	Entropy and Information	3-1-0-4	Indranil Chakrabarty
		MA8.401	Topics in Applied Optimization	3-1-0-4	Pawan Kumar

		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
		SC2.401	Topics in Nanosciences **(60)**	3-1-0-4	Tapan Kumar Sau

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

			Music Language Creativity	3-1-0-4	Saroja T K
		HS3.303	Theories and Practices of Nationalism **(25)**	3-1-0-4	Aniket Alam

		CS9.431	ICTs for Development	3-1-0-4	Nimmi Rangaswamy
		HS3.201	Introduction to History	3-1-0-4	Isha Dubey
		HS2.202	Intro to Psychology	3-1-0-4	Priyanka Srivastava
		HS1.204	Introduction to Literature	3-1-0-4	Nazia Akhtar
		HS4.201	Introduction to Politics **(50)**	3-1-0-4	Guest faculty
		CS9.439	Learning and Memory **(70)**	3-1-0-4	Bhaktee Dongaonkar
		HS0.204	Introduction to Philosophy of Technology	3-1-0-4	Saurabh Todariya
			Introduction to Economics	3-1-0-4	Anirban Dasgupta
			Readings in Hindi Literature	3-1-0-4	Harjinder Singh

Sd/-
Dean (Academics)

Date:20.6.2023