

International Institute of Information Technology Hyderabad Course offerings in 2024-25 Semester I (Monsoon) - V2-15 July, 24 UG Programmes

CD - Course Discription -Programme Requirement; Institute Requirement AD - Area Code - MA-Maths; CS-Comp Sci; EC-Electronics, CG-Cognitive Science; HS-Human Sci; SC-Science; OE-Open Elective; CL-Compu. Linguistics; OT-Others

L-T-P-C: (Lecture hours - Tutorial hours - Practical Hours) per week - Credits H1-1st Half of the Semester; H2-2nd Half of the Semester; H-1 Class per week with full Semester

CD	AD	Course No	Course Name	Credits (L-T-P-C)	Faculty Name(s)
B.T	ech I	year I Sem	ester - CSE&CSD		
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Srinathan K + Shantanav Chakraborty
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya + Abhishek Deshpande
In	HS	OC2.101	Arts-1 (H1)	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)	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.T	ech I	year I Sem	ester - ECE&ECD		
Pr	MA	EC5.101	Networks, Signals and Systems	3-1-0-4	Prasad Krishnan + Aftab Hussain
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya + Abhishek Deshpande
Pr	CS	EC2.102	Electronic Workshop-1 (H2)	2-0-3-2	Praful Mankar + Sachin Chaudhari
In	HS		Arts-1 (H1)		Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)	+	Shatrunjay Rawat (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 16-8-9-25		
B.T	ech I	year I Sem	ester – CND		
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Srinathan K + Shantanav Chakraborty
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
Pr	MA	MA4.101	Real Analysis	3-1-0-4	Samyadeb Bhattacharya + Abhishek Deshpande

Pr	SC	SC4.101	Computing in Sciences-1(H2)	2-0-3-2	Deva Priyakumar
In	HS	OC2.101	Arts-1 (H1)		Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)		Shatrunjay Rawat (Coordinator)
In	HS	OC1.101	Sports-1		Physical Education Centre
			Total 16-8-9-25		
B.T	ech I	year I Sem	nester – CLD		
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Srinathan K + Shantanav Chakraborty
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
Pr	CS	CL1.101	Introduction to Linguistics-1	3-1-0-4	Rajakrishnan P Rajkumar
In	HS	OC2.101	Arts-1 (H1)	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)	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.T	ech I	year I Sem	nester – CHD		
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Srinathan K + Shantanav Chakraborty
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
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	Anirban Dasgupta
In	HS	OC2.101	Arts-1 (H1)	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)	0-2-0-2	Shatrunjay Rawat (Coordinator)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 17-9-6-25		
B.T	ech I	year I Sem	nester – CGD		
Pr	MA	MA5.101	Discrete Structures	3-1-0-4	Srinathan K + Shantanav Chakraborty
Pr	CS	CS0.101	Computer Programming	3-1-3-5	Girish Varma + Charu Sharma + TBD
Pr	EC	EC2.101	Digital Systems and Microcontrollers	3-1-3-5	Anshu Sarje + Harikumar K + Anil Kumar Vuppala
Pr	GS	GS0.101	Spatial Thinking and Practice	3-1-0-4	KS Rajan
In	HS	OC2.101	Arts-1 (H1)	2-0-0-2	Saroja T K (Coordinator)
In	HS	OC3.101	Value Education-1 (H)	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.T	ech I	I year I Ser	mester - 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 Chillara
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

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Pr	EC		Embedded Systems Workshop (H)		Abhishek Srivastava + Zia Abbas
Pr	SC		Science 1		Prabhakar B (Harjinder Singh)
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 19-8-3-24		
LE-	CSD-	2K24 I yea	nr I Semester	1	T
Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Tejas Bodas
Pr	CS	CS1.301	Algorithm Analysis and Design		Suryajith Chillara
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.T	ech I	l year I Ser	nester - 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 + Santosh Nannuru
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod PK
Pr	EC	EC2.201	VLSI Design		Abhishek Srivastava
Pr	SC		Science 1		Prabhakar B (Harjinder Singh)
In	HS	OC1.103	Sports-3		Physical Education Centre
			Total 15-7-3-22		
LE-	ECD	-2K24 I yea	ar I Semester	_	
Pr	MA		Probability and Random Processes	3-1-0-4	Gowtham Kurri
Pr	EC	EC5.201	Signal Processing	3-1-3-5	Chiranjeevi Yarra + Santosh Nannuru
Pr	EC	EC5.202	Systems Thinking	3-1-0-4	Spandan Roy + Vinod PK
Pr	EC	EC2.201	VLSI Design	3-1-0-4	Abhishek Srivastava
Pr	SC	SC1.110	Science 1	3-1-0-4	Prabhakar B (Harjinder Singh)
In	HS	OC1.101	Sports-1	0-2-0-1	Physical Education Centre
			Total 15-7-3-22		
B.T	ech I	l year I Ser	nester –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 Sau + Prabhakar B
Pr	CN S	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
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.T	ech I	l year I Ser	nester –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	Aditi Mukherjee
Pr	CS	CL3.202	Computational Linguistics II: Comp Semantics and Discourse parsing	3-1-0-4	Rajakrishnan P Rajkumar + Parameswari Krishnamurthy
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	CS	CS1.302	Automata Theory (H1)	3-1-0-2	Shantanav Chakraborty
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Pr	CS		Data and Applications (H2)		Ponnurangam Kumaraguru
In	HS	OC1.103	Sports-3	0-2-0-1	Physical Education Centre
			Total 15-7-0-21		
		•	mester –CHD	T	
Pr	MA	MA6.101	Probability and Statistics	3-1-0-4	Tejas Bodas
Pr	HS	HS0.216	Thinking and Knowing in the Human Sciences - III	3-1-0-4	Anirban Dasgupta + Aakansha Natani
Pr	HS	HS0.202	Thinking and Knowing in the Human Sciences - II	3-1-0-4	Aniket Alam
Pr	CS	CS1.301	Algorithm Analysis and Design	3-1-0-4	Suryajith Chillara
Pr	CS	CS4.301	Data and Applications (H2)		Ponnurangam Kumaraguru
Pr	CS	CS1.302	Automata Theory (H1)		Shantanav Chakraborty
In	HS		Sports-3		Physical Education Centre
			Total 17-7-3-21		
B.T	ech I	I vear I Se	emester – CSE		
Pr	CS	ir year 1 se	Bouquet Course – 1	3-1-0-4	
OT			Science Elective – 1	3-1-0-4	
OT	HS		HSS 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	
11	CB		Total 12-6-6-16/18	0-2-0-2	
R T	ech I	II voor I So	emester - CSD		
Pr	CS	ii yeai i se	Bouquet Course – 1	3-1-0-4	
OT			Science Elective – 1	3-1-0-4	
OT	HS		HSS Elective-1	3-1-0-4	
OT	OE		Open Elective-1	3-1-0-4	
PR			Stream Elective-1	3-1-0-4	
Pr	CS		CSE-Honours-1	0-2-6-2	
П	CS		Total 15-7-6-22	0-2-0-2	
IE		21/22 II w	ear I Semester		
Pr	CSD-	-2K25 11 ye	Bouquet Course – 1	3-1-0-4	
	SC		Science Elective – 1		
	HS		HSS Elective-1	3-1-0-4	
OT	-			3-1-0-4	
PR			Open Elective-2 Stream Elective-1	3-1-0-4	
Pr	CS	CS9.302	CSE-Honours-1	0-2-6-2	
PI	CS	CS9.302		0-2-0-2	
рт	oob I	II woon I Co	Total 15-7-6-22 emester – ECE		
	EC	ii year i se	Stream Foundation-2	3-1-0-4	
-	EC		Stream Elective-1	3-1-0-4	
-	OE		Open Elective-1	3-1-0-4	
	HS		HSS Elective-1	3-1-0-4	
	МА		Maths Elective	3-1-0-4	
Pr	EC		ECE-Honours-1 (Optional)	0-2-6-2	
11			Total 15-7-6-20/22	0 2 0-2	
RT	ech II	I vear I So	emester – ECD and LED-2K23 II year I Ser	nester	
Pr		ii yeai i Se	Stream Foundation-2	3-1-0-4	
Pr	EC		Stream Elective-1	3-1-0-4	
OT	_		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 15-7-6-22	
Total 15-7-6-22	
B.Tech III year I Semester - CND	
Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr SC SC2.304 Spectroscopy(H1) 3-1-0-2 M Krishnan Pr SC SC2.305 Chemical Kinetics and Reaction Dynamics (H2) 3-1-0-2 M Krishnan Nita Parkeh Pr SC SC3.202 Bioinformatics (H1) 3-1-0-2 Nita Parkeh Pr SC SC3.203 Systems Biology (H2) 3-1-0-2 Vinod PK Pr CS CS Elective - 1 3-1-0-4 Pr SC SC9.302 CNS Honors - 1 0-2-6-2 Pr SC SC9.302 CNS Honors - 1 0 Cr Abhishek Deshpande Total 12-6-6-18 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 Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Pr SC SC Elective - 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective - 1 3-1-0-4 Sal-0-4 Prabhakar B (Harjinder Pr CS CS Sale Sile Sile	
Pr SC SC2.304 Spectroscopy(HI) 3-1-0-2 M Krishnan Pr SC SC2.305 Chemical Kinetics and Reaction Dynamics (H2) 3-1-0-2 Harjinder Singh Pr SC SC3.202 Bioinformatics (H1) 3-1-0-2 Nita Parkeh Pr SC SC3.203 Systems Biology (H2) 3-1-0-2 Vinod PK Pr CS CS Elective - 1 3-1-0-4 Vinod PK Pr CS SC9.302 CNS Honors - 1 0-2-6-2 Pr SC SC9.600 CCNSB seminar - 1 0 Cr Abhishek Deshpande Total 12-6-6-18 B.Tech III year I Semester - CLD Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr CL CS.2.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4	
Pr SC SC2.305 Chemical Kinetics and Reaction Dynamics (H2) 3-1-0-2 Harjinder Singh	
Pr SC SC3.202 Bioinformatics (HI) 3-1-0-2 Nita Parkeh Pr SC SC3.203 Systems Biology (H2) 3-1-0-2 Vinod PK Pr CS CS Elective - I 3-1-0-4 Vinod PK Pr CS SC9.302 CNS Honors - I 0-2-6-2 Pr SC SC9.600 CCNSB seminar - I 0 Cr Abhishek Deshpande B.Tech III year I Semester - CLD Total 12-6-6-18 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr CL CS7.501 Advanced NLP 3-1-0-4 Prabhakar B (Harjinder Pr CS SC1.110 Science I 3-1-0-4 Prabhakar B (Harjinder Pr CS CS1.110 Science I 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr RS SC3.301 Operating Systems and Networks 3-1-0-4	
Pr SC SC3.203 Systems Biology (H2) 3-1-0-2 Vinod PK Pr CS CS Elective - 1 3-1-0-4 Pr SC SC9.302 CNS Honors - 1 0-2-6-2 Pr SC SC9.600 CCNSB seminar - 1 0 Cr Abhishek Deshpande Total 12-6-6-18 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 Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Prabhakar B (Harjinder Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder OT HS HSS Elective - 1 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr HS HSO.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr <t< td=""><td></td></t<>	
Pr CS CS Elective - 1 3-1-0-4 Pr SC SC9.302 CNS Honors - 1 0-2-6-2 Pr SC SC9.600 CCNSB seminar - 1 0 Cr Abhishek Deshpande Total 12-6-6-18 B.Tech III year I Semester - CLD Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr CL CS.501 Advanced NLP 3-1-0-4 Manish Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Prabhakar B (Harjinder Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective - 1 3-1-0-4 Karthik Vaidhyanathan Pr HS HSO.303 Applied Ethics 3-1-0-4 Karthik Vaidhyanathan Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 Prabhakar B (Harjinder Pr RS CS Elective	
Pr SC SC9.302 CNS Honors - 1 0-2-6-2 Pr SC SC9.600 CCNSB seminar - 1 0 Cr Abhishek Deshpande Total 12-6-6-18 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 Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Prabhakar B (Harjinder Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective - 1 3-1-0-4 Karthik Vaidhyanathan Pr HS HS0.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 Prabhakar B (Harjinder <t< td=""><td></td></t<>	
Pr SC SC9.600 CCNSB seminar - 1 0 Cr Abhishek Deshpande Total 12-6-6-18	
Total 12-6-6-18	
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 Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 3-1-0-4 OT HS HSS Elective - 1 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr HS HS0.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 Prabhakar B (Harjinder Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE	
Pr CL CS7.501 Advanced NLP 3-1-0-4 Manish Shrivastava Pr CL CL9.302 CL-Honours-1 0-2-6-2 Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective - 1 3-1-0-4 Total 15-7-6-22 15-7-6-22 B.Tech III year I Semester - CHD 3-1-0-4 Karthik Vaidhyanathan Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 Prabhakar B (Harjinder OT HS HSS Elective-2 3-1-0-4 Pr HS HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22	
Pr CL CL9.302 CL-Honours-1 0-2-6-2 Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective - 1 3-1-0-4 B.Tech III year I Semester - CHD	
Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder 3-1-0-4 Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective - 1 3-1-0-4 B.Tech III year I Semester - CHD Total 15-7-6-22 Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr HS HS0.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder B) Pr CS Elective-1 3-1-0-4 Prabhakar B (Harjinder B) OT HS HSS Elective-2 3-1-0-4 Prabhakar B (Harjinder B) Pr HS HS9.302 HS-Honours-1 0-2-6-2 0-2-6-2 B.Tech IV year I Semester - CSE B.Tech IV year I Semester - CSE B.Tech IV year I Semester - CSE	
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 Ashwin Jayanti Pr CS SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 Prabhakar B (Harjinder OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22 15-7-6-22	
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 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS 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	Singh)
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 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22 15-7-6-22	
Pr CS CS3.301 Operating Systems and Networks 3-1-0-4 Karthik Vaidhyanathan Pr HS HS0.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22 15-7-6-22	
Pr HS HS0.303 Applied Ethics 3-1-0-4 Ashwin Jayanti Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 B.Tech IV year I Semester - CSE B.Tech IV year I Semester - CSE	
Pr SC SC1.110 Science 1 3-1-0-4 Prabhakar B (Harjinder B) Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22 15-7-6-22	
Pr CS CS Elective-1 3-1-0-4 OT HS HSS Elective-2 3-1-0-4 Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22 15-7-6-22	
OT HS HSS 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	Singh)
Pr HS HS9.302 HS-Honours-1 0-2-6-2 Total 15-7-6-22 15-7-6-22 B.Tech IV year I Semester - CSE 15-7-6-22	
Total 15-7-6-22 B.Tech IV year I Semester - CSE	
B.Tech IV year I Semester - CSE	
Pr CS CS9.402 BTP II / CSE-Honours Project III 0-2-6-2	
Pr HS HS0.203a & HS0.203b Basics of Ethics (H1&H2) 3-1-0-2 Ashwin Jayanti (H1) + 1 Dheeravath (H2)	Ramesh
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 HS0.203a &HS0.203b Basics of Ethics (H1&H2) 3-1-0-2 Ashwin Jayanti (H1) + 1 Dheeravath (H2)	Ramesh
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-2K22 III year I Semester	
Pr CS CS9.402 CSE-Honours Project III 0-2-6-2	

					Litter (CATA) (B. 1
Pr	HS	HS0.203a &HS0.203b	Basics of Ethics (H1&H2)	3-1-0-2	Ashwin Jayanti (H1) + Ramesh Dheeravath (H2)
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.Te	ech I	V year I Se	mester - ECE		
	EC	EC9.401/ EC9.402	BTP II/ECE-Honours Project III	0-2-6-2	
Pr	HS	HS0.203a &HS0.203b	Basics of Ethics (H1&H2)	3-1-0-2	Ashwin Jayanti (H1) + Ramesh Dheeravath (H2)
Pr	EC		Stream Elective-3	3-1-0-4	()
	OE		Open Elective-3	3-1-0-4	
_	SC		Science Elective-1	3-1-0-4	
	50		Total 12-4-6-16	3101	
R To	ch F	V vear I Sa	mester – ECD and LED-2K22 III year I sei	mester	
_	EC	_	ECE-Honours Project III	0-2-6-2	
-	EC	EC7.402	Stream Elective-4	3-1-0-4	
$\overline{}$	EC		Stream Elective-5	3-1-0-4	
	OE		Open Elective-3	3-1-0-4	
ОТ	SC		Science Elective-1	3-1-0-4	
In	HS	HS0.203a &HS0.203b	Basics of Ethics (H1&H2)	3-1-0-2	Ashwin Jayanti (H1) + Ramesh Dheeravath (H2)
			Total 15-7-6-20		
B.Te	ch I	V year I Se	mester – CND		
Pr	SC	SC9.402	CNS-Honours Project III	0-2-6-2	
Pr	SC		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	
	HS	HS0.203a &HS0.203b	Basics of Ethics (H1&H2)	3-1-0-2	Ashwin Jayanti (H1) + Ramesh Dheeravath (H2)
Pr	SC		CCNSB Seminar-3	0 Cr	Abhishek Deshpande
			Total 12-6-6-16		•
B.Te	ch I	V vear I Se	mester – CLD		
	CL		CL-Honours Project III	0-2-6-2	
	CL		CL Stream Elective-2	3-1-0-4	
	CL		CL Stream Elective-3	3-1-0-4	
Pr	CS		CS Elective-3	3-1-0-4	
	HS	HS0.203a &HS0.203b	Basics of Ethics (H1&H2)	3-1-0-2	Ashwin Jayanti (H1) + Ramesh Dheeravath (H2)
Pr	OE		Open Elective-2	3-1-0-4	(112)
	OL.		Total 15-7-6-20	J 1 U-7	
R T	ch I	V voor I Sa	mester – CHD		
	HS		HS-Honours Project-3	0-2-6-2	
OT		1107.402	HSS Elective-4	3-1-0-4	
-					
OT Pr	MA		HSS Elective-5 Maths Elective	3-1-0-4	
			CS Elective-4	3-1-0-4	
Pr	CS				
Pr Pr	OE OE		Open Elective-3 Total 15-7-6-22	3-1-0-4	

B.T	B.Tech V year I Semester – CSD (LE-CSD-2K21-IV year I Semester)						
Pr	CS	CS9.605	Thesis	12 Cr			
In	OT	OC9.600	Institute Seminar	1 Cr			
			Total 13 credits				
B.T	B.Tech V year I Semester – ECD (LE-ECD-2K21-IV year I Semester)						
Pr	EC	EC9.605	Thesis	12 Cr			
In	OT	OC9.600	Institute Seminar	1 Cr			
			Total 13 credits				
B.T	ech V	year I Ser	mester – CLD				
Pr	CL	CL9.605	Thesis	12 Cr			
In	OT	OC9.600	Institute Seminar	1 Cr			
			Total 13 credits				
B.T	ech V	year I Ser	mester – CND				
Pr	SC	SC9.605	Thesis	12 Cr			
OT	OT		Open Elective 1	3-1-0-4			
Pr	SC	SC9.600	CCNSB seminar - 5	0 Cr			
			Total 3-1-0-16				
B.T	ech V	year I Ser	mester – CHD				
Pr	HS	HS9.605	Thesis	12 Cr			
In	ОТ	OC9.600	Institute Seminar	1 Cr			
			Total 13 credits				
			PG Programm	es			
CD	AD	Course	Course Name	Credits	Faculty Name(s)		
		Code		Credits	Tacutty (value(s)		
M. 7	Tech 1	year I Sen	nester - CSE & CSIS				
Pr	CS	CS1.304	Data Structures & Algorithms for Problem Solving	3-0-2-6	Kshitij Gajjar + Lini Thomas		
Pr	MA	MA6.301	Maths for Computer Science 1-Probability and Statistics (H1)	3-1-0-2	Naresh Manwani		
Pr	MA	MA6.302	Maths for Computer Science 2 - Linear Algebra (H2)	3-1-0-2	Pawan Kumar		
Pr	CS	CS6.302	Software Systems Development	3-0-2-4	Rahul Mishra + Sai Anirudh		
Pr	CS	CS3.304	Advanced Operating Systems	3-1-0-4	P. Krishna Reddy		
			Total 12-1-5-18				
M.T		I year I Se	mester – 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	3-1-0-4			
			Study				
* 4	t mac	t A anadita	Total 12-4-0-16 can be converted to Project/Independent S	tudy in E	ou of course anodits(66)		
			can be converted to Project/Independent S mester – CSIS	tauy IN IIC	cu of course credits(00)		
Pr	CS	CS8.501	Research in Information Security	3-1-0-4	Ashok Kumar Das + Srinathan K		
Pr	CS	CS3.402	Advanced Computer Networks	3-1-0-4	Ankit Gangwal		
	1 00	255.102	Bouquet Elective	3-1-0-4	I mini Guignui		
l Pr	CS		Thouguet Elective				
Pr Pr	CS CS		•				
Pr	CS CS		Area/CS/IT Elective Total 12-4-0-16	3-1-0-4			
Pr	CS	Year I Se	Area/CS/IT Elective				

Pr	SE	CE1.501	Structural Dynamics	3-1-0-4	Sunitha Palissery
Pr	CS	CS0.301	Computer Problem Solving	3-1-3-4	Shatrunjay Rawat
Pr	SE	CE4.501	Finite Element Methods	3-1-0-4	Jofin George
Pr	SE	CE1.502	Structural Engineering Design Studio	3-1-0-4	Shubham Singhal
Pr	SE	CE0.501	Theory of Elasticity	3-1-0-4	Pravin Kumar Venkat Rao
			Total 15-5-0-20		
M.T	ech I	I Year I Se	emester – CASE		
Pr	CS	CE9.609	IoT Workshop	3-1-0-4	Sachin Chaudhari + Nagamanikandan Govindan + TBD
Pr	CE		CASE Elective-4	3-1-0-4	
Pr	CE		CASE Elective-5	3-1-0-4	
Pr	CE		CASE Elective-6	3-1-0-2	
			Total 12-4-0-14		
М.Т	ech I	Year I Sei	mester – Product Design and Management		
Pr	CS		Software Systems Development	3-1-0-4	Rahul Mishra + Sai Anirudh
Pr	CS	CS9.501	User Research Methods (H2)	3-1-0-2	Priynaka 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 Swaminathan
Pr	PD	PD2.421	Business Fundamentals	3-1-0-4	Himanshu Warudkar
Pr			Bridge / Technology / Systems Elective	3-1-0-4	
Pr	OT	PD9.601	PDM-Seminar	0 Cr	Guest Speakers
			Total 15-5-2-16		
M. T	ech I	I Year I Se	emester – Product Design and Management	t	
Pr	PD	PD9.403	PDM Project-3	12 Cr	
Pr	PD		Technology / Systems / Open Elective	3-1-0-4	
			Total 4-1-0-16		
			Electives offering in Moi	nsoon 2	2024
		CNO	CName	Credits	Faculty Name(s)
Elec	tives	for CND S	tudents		
		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 + Monalisa Patra
		SC2.401	Topics in Nanosciences	3-1-0-4	Tapan Kumar Sau
		SC1.415	Physics of Early Universe	3-1-0-4	Diganta Das
Elec	ctives	for CLD S	tudents		
		CS4.406	Information Retrieval & Extraction	3-1-0-4	Rahul Mishra
		CG1.402	Intro to Cognitive Science	3-1-0-4	Vishnu Sreekumar
		CL2.405	Speech Analysis and Linguistics	3-1-0-4	Chiranjeevi Yarra
ECI	E Elec		applicable as CSE/Open Electives)		
Not	e for		CD Students: Please read carefully the gui	delines fo	or choosing of ECE Electives
			ng & Communications Stream		
	~-5-1		Information Theory	3-1-0-4	Arti Yardi
			Digital Image Processing		Anoop M Namboodiri
		CS7.403	Statistical Methods in AI		Ravi Kiran S
		CD1.703	Sambilear Monious III / II	J 1-0-7	TWO TENION O

EC5.407 Wireless Communications 3-1-0-4 Praful Mankar					
CS CS CS CS CS CS CS CS					
VI.SI and Embedded Systems Stream		EC5.406	Signal Detection and Estimation Theory		
EC2.409 Principles of Semiconductor Devices 3-1-0-4 And B Hussain And B Hussain Singhal EC2.409 Principles of Semiconductor Devices 3-1-0-4 And B Hussain And B Hussain		EC5.411	Modern Coding Theory	3-1-0-4	Prasad Krishnan
FC2.409 Principles of Semiconductor Devices 3-1-0-4 Aftab Hussain All Abas A	VLS	I and Emb	edded Systems Stream		
BC2.408 Digital VLSI Design 3-1-0-4 Zia Abbas					
CS2.501 Advanced Computer Architecture 3-1-0-4 Suresh Purini CMO'S References and Regulators 3-1-0-4 Zia Abbas + Abhishek Pullela		EC2.409	Principles of Semiconductor Devices	3-1-0-4	Aftab Hussain
CMOS References and Regulators 3-1-0-4 Zia Abbas + Abhishek Pullela		EC2.408	Digital VLSI Design	3-1-0-4	Zia Abbas
Robotics Stream		CS2.501	Advanced Computer Architecture	3-1-0-4	Suresh Purini
CS7.404 Digital Image Processing 3-1-0-4 K. Madhava Krishna CS7.404 Digital Image Processing 3-1-0-4 Anoop M Namboodiri CS7.403 Statistical Methods in AI 3-1-0-4 Rayi Kiran S Statistical Methods in AI 3-1-0-4 Rayi Kiran S CS7.403 Statistical Methods in AI 3-1-0-4 Rayi Kiran S CS7.403 Statistical Methods in AI 3-1-0-4 Rayi Kiran S CS7.403 Statistical Methods in AI 3-1-0-4 Rayi Kiran S CS7.403 Statistical Methods in AI 3-1-0-4 Rayi Kiran S CS7.403 Statistical Methods in AI 3-1-0-4 Rayin Krishnan Sundara P Pravin Kumar Venkat Rao P Pravin Kumar Venkat Rao P Pravin Kumar Venkat Rao CS7.405 Structural Safety of Built Infrastructure Structural Safety of Built Infrastructure O-2-0-2 Shubham Singhal & Jofin George Jofin George Jofin George Jofin George Structural Safety of Built Infrastructure O-2-0-2 Shubham Singhal & Jofin George Jofin George Jofin George Jofin George Structural Safety of Built Infrastructure O-2-0-2 Shubham Singhal & Jofin George Jof			CMOS References and Regulators	3-1-0-4	Zia Abbas + Abhishek Pullela
CS7.404 Digital Image Processing 3-1-0-4 Anoop M Namboodiri	Robe	otics Strear	m		
EC4.401 Robotics: Dynamics and Control 3-1-0-4 Nagamanikandan Govindan C57.403 Statistical Methods in A1 3-1-0-4 Ravi Kiran S		CS7.503	Mobile Robotics	3-1-0-4	K Madhava Krishna
CS7.403 Statistical Methods in AI 3-1-0-4 Ravi Kiran S		CS7.404	Digital Image Processing	3-1-0-4	Anoop M Namboodiri
CEL.607		EC4.401	Robotics: Dynamics and Control	3-1-0-4	Nagamanikandan Govindan
GS2.401 Spatial Informatics CE1.607 Earthquake Resistant Design of Masonry Structures 3-1-0-4 Pravin Kumar Venkat Rao Pravin Kumar Venkat Rao Structures 3-1-0-4 Sunitha Palissery 3-1-0-4 Ramachandra Prasad Pillutla CE9.600 CASE Seminar 0-2-0-2 Shubham Singhal & Jofin George CE1.620 CHII) 3-1-0-2 Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Raman Saxena Ramesh Loganathan + Arjun Raiashekar Ravi Warrior Ramesh Loganathan + Arjun Raiashekar Ravi Warrior Ravi Warrior Ravi Warrior Ravi Warrior CS1.402 Principles of Programming Languages (100) 3-1-0-4 Ashok Kumar Das CS1.402 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 Ravi Kiran S CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X CG1.402 Intro to Cognitive Science (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives CS2.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives CS2.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives CS2		CS7.403	Statistical Methods in AI	3-1-0-4	Ravi Kiran S
GS2.401 Spatial Informatics CE1.607 Earthquake Resistant Design of Masonry Structures 3-1-0-4 Pravin Kumar Venkat Rao Pravin Kumar Venkat Rao Structures 3-1-0-4 Sunitha Palissery 3-1-0-4 Ramachandra Prasad Pillutla Structures 3-1-0-4 Sunitha Palissery Structures 3-1-0-4 Sunitha Palissery Structural Safety of Built Infrastructure GE1.620 CASE Seminar 0-2-0-2 Shubham Singhal & Jofin George Structural Safety of Built Infrastructure (H2) 3-1-0-2 Jofin George Structural Safety of Built Infrastructure (H2) 3-1-0-2 Jofin George Structural Safety of Built Infrastructure (H2) 3-1-0-2 Shubham Singhal & Jofin George Structural Safety of Built Infrastructure (H2) 3-1-0-2 Shubham Singhal & Kiran Chand Thumaty and Rehana Shaik Shaik Shaik Shubham Singhal Shaik					
CE1.607 Earthquake Resistant Design of Masonry Structures 3-1-0-4 Pravin Kumar Venkat Rao CE1.610 Advanced Design of Steel Structures 3-1-0-4 Sunitha Palissery Sunitha Palissery 3-1-0-4 Ramachandra Prasad Pillutla CE9.600 CASE Seminar 0-2-0-2 Shubham Singhal & Jofin George CE1.620 Structural Safety of Built Infrastructure (H2) 3-1-0-2 Jofin George CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal Shubham S	Electives	for PG CA	ASE students		
CE1.607 Structures 3-1-0-4 Pravin Kumar Venkat Rao		GS2.401		3-1-0-4	Rajan Krishnan Sundara
CE1.610		CE1.607		3-1-0-4	P Pravin Kumar Venkat Rao
GS		CE1.610		3-1-0-4	Sunitha Palissery
CE9.600 CASE Seminar 0-2-0-2 Shubham Singhal & Jofin George					·
CE1.620 Structural Safety of Built Infrastructure (H1) 3-1-0-2 Jofin George					
CE1.621 Retrofit of Existing Infrastructure (H2) 3-1-0-2 Shubham Singhal			Structural Safety of Built Infrastructure		
GS			` /		
Nodelling Shaik		CE1.621		3-1-0-2	
Design Elective PD1.501 Human Computer Interaction (H2) 3-1-0-2 Raman Saxena		GS		3-1-0-4	_
Elective	Electives	for M.Tec	h PDM students		
Design for Social Innovation S-1-0-4 Raiashekar	-	PD1.501	Human Computer Interaction (H2)	3-1-0-2	
PD2.501 Product Marketing 3-1-0-4 Ravi Warrior		CS9.429	Design for Social Innovation	3-1-0-4	
Theory CS1.405 Modern Complexity Theory (100) 3-1-0-4 Ashok Kumar Das CS1.402 Principles of Programming Languages (100) 3-1-0-4 Mrityunjay + Venkatesh Choppella Systems CS3.401 Distributed Systems (100) 3-1-0-4 Kishore Kothapalli 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 Shrivastava CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X CG1.402 Intro to Cognitive Science (50) 3-1-0-4 Vishnu Sreekumar CSE/Open Electives ARjan Krishnan Sundara CSE/Open Electives	Electives	PD2.501	Product Marketing	3-1-0-4	
CS1.405 Modern Complexity Theory (100) 3-1-0-4 Ashok Kumar Das	Bouqu	et Cours	ses - Registration Limit: 150		
CS1.402 Principles of Programming Languages (100) 3-1-0-4 Mrityunjay + Venkatesh Choppella Systems	Theory				
Systems CS3.401 Distributed Systems (100) 3-1-0-4 Kishore Kothapalli 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 Shrivastava CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X CG1.402 Intro to Cognitive Science (50) 3-1-0-4 Vishnu Sreekumar CS4.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives		CS1.405	Modern Complexity Theory (100)	3-1-0-4	Ashok Kumar Das
CS3.401 Distributed Systems (100) 3-1-0-4 Kishore Kothapalli		CS1.402	Principles of Programming Languages (100)	3-1-0-4	Mrityunjay + Venkatesh Choppella
CS3.401 Distributed Systems (100) 3-1-0-4 Kishore Kothapalli	Systems				
CS3.402 Advanced Computer Networks (150) Artificial Intelligence CS7.403 Statistical Methods in AI (200) CS4.406 Information Retrieval & Extraction (100) CS7.501 Advanced NLP (100) CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X CG1.402 Intro to Cognitive Science (50) CS4.408 Spatial Informatics (50) CSE/Open Electives Ankit Gangwal 3-1-0-4 Ravi Kiran S Ankit Gangwal 3-1-0-4 Ravi Kiran S 3-1-0-4 Rahul Mishra 3-1-0-4 Vishna Reddy Polepalli 3-1-0-4 Vishnu Sreekumar 3-1-0-4 Rajan Krishnan Sundara		CS3.401	Distributed Systems (100)	3-1-0-4	Kishore Kothapalli
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 Shrivastava CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X CG1.402 Intro to Cognitive Science (50) 3-1-0-4 Vishnu Sreekumar CS4.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives CSE/Open Electives			` ` /	3-1-0-4	*
CS7.403 Statistical Methods in AI (200) 3-1-0-4 Ravi Kiran S	Artificial	Intelligen	• • • • • • • • • • • • • • • • • • • •		-
CS4.406 Information Retrieval & Extraction (100) 3-1-0-4 Rahul Mishra				3-1-0-4	Ravi Kiran S
CS7.501 Advanced NLP (100) 3-1-0-4 Manish Shrivastava CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli IT + X		CS4.406	` /	3-1-0-4	Rahul Mishra
CS4.405 Data Analytics I (100) 3-1-0-4 Krishna Reddy Polepalli		CS7.501	Advanced NLP (100)	3-1-0-4	Manish Shrivastava
TT + X CG1.402 Intro to Cognitive Science (50) CS4.408 Spatial Informatics (50) CSE/Open Electives CSE/Open Electives		CS4.405	` '	3-1-0-4	Krishna Reddy Polepalli
CS4.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives	IT + X				-
CS4.408 Spatial Informatics (50) 3-1-0-4 Rajan Krishnan Sundara CSE/Open Electives		CG1.402	Intro to Cognitive Science (50)	3-1-0-4	Vishnu Sreekumar
CSE/Open Electives		CS4.408	· /	3-1-0-4	Rajan Krishnan Sundara
	CSE/Ope	en Electives	•		
				3-0-1-4	Ashok Kumar Das + Srinathan K

	CS3.405	Blockchain and Web3 Development (Max: 40 Students)	3-1-0-4	Ankit Gangwal
	CG3.401	Introduction to Neural and Cognitive Modeling	3-1-0-4	Bapiraju Surampudi
	CG3.402	Behavioral Research & Experimental Design (50)	3-1-0-4	Vinoo Alluri
		Software Quality Engineering	3-1-0-4	Raghu Reddy Y
	CS7.504	Fairness, Privacy and Ethics in AI (Max:40)		Sujit P Gujar
	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
	CG1.403	Learning and Memory (Max 70)	3-1-0-4	Bhaktee Dongaonkar
	CL2.405	Speech Analysis and Linguistics	3-1-0-4	Chiranjeevi Yarra
	EC5.411	Modern Coding Theory	3-1-0-4	Prasad Krishnan
	CS2.501	Advanced Computer Architecture	3-1-0-4	Suresh Purini
	CG9.600	Cognitive Science Seminar	0 Cr	Vishnu Sreekumar + Bhaktee Dongaonkar
	EC5.412	Foundations for Signal Processing and Communication (Open for MS&PhD students)	3-1-0-4	Praful Mankar + Arti Yardi
	CS9.440	Introduction to Remote Sensing	3-1-0-4	RC Prasad
	CS1.504	Quantum Information Theory	3-1-0-4	Siddhartha Das
Ope	n Electives Onl	y for UG Students	-	
	CS3.306	Algorithms and Operating Systems (Open Elective) Only for UG ECE/D students	3-1-0-4	Lini Teresa Thomas
	CE5.502	Hydrological modelling and Software Development (40) (Open Elective)	3-1-0-4	Rehana Shaik
	GS	Geospatial Technology for Disaster Risk Modelling (Open Elective)	3-1-0-4	Kiran Chand Thumaty and Rehana Shaik
	GS	Environmental Science & Technology (Open Elective)	3-1-0-4	Ramachandra Prasad Pillutla
	PD1.501	Human Computer Interaction (H2)	3-1-0-2	Raman Saxena
	PD2.501	Product Marketing	3-1-0-4	Ravi Warrior
Mat	h Electives (Ra	ndom selection) Maximum no. of students f	or the fol	lowing courses is: 50 each)
	CS1.407	Entropy and Information		Indranil Chakrabarty
	MA8.401	Topics in Applied Optimization	3-1-0-4	Pawan Kumar
Scie	nce Electives <u>(F</u>	Random selection) Max. no of students for e	ach cours	se is given in the brackets
	SC3.321	Biomolecular Structure Interaction & Dynamics (35)	3-1-0-4	B.Gopalakrishnan
		Prerequisites: ABA, GSC or equivalent		- F
	SC1.310	Open Quantum Systems and Quantum Thermodynamics (40)	3-1-0-4	Samyadeb Bhattacharya
	SC1.421	Introduction to Quantum Field Theory (40)	3-1-0-4	Diganta Das + Monalisa Patra
	SC2.401	Topics in Nanosciences (60)	3-1-0-4	Tapan Kumar Sau
	SC2.309	Chemistry Topics for Engineers (120)	3-1-0-4	Tapan Kumar Sau + Prabhakar B
	SC1.415	Physics of Early Universe (50)	3-1-0-4	Diganta Das

Hun	Humanities Electives for UG3 &UG4 (Random selection) Max. no of students for each course is 40						
		HS1.210	Music Workshop (30)	3-1-0-4	Saroja T K		
		HS1.208	Introduction to Film Studies	3-1-0-4	Sushmita Banerji		
		HS3.201	Introduction to History	3-1-0-4	Isha Dubey		
		HS2.202	Intro to Psychology	3-1-0-4	Priyanka Srivastava		
		HS4.201	Introduction to Politics	3-1-0-4	Aakansha Natani		
		HS0.214	Introduction to Philosophy	3-1-0-4	Saurabh Todariya		
		HS5.202	Introduction to Economics	3-1-0-4	Anirban Dasgupta		
		HS1.303	Readings from Hindi Literature	3-1-0-4	Harjinder Singh		
		HS8.201	Gender and Society	3-1-0-4	Sushmita Banerji		
		HS2.303	Work, Entrepreneurship and Technology in Contemporary Societies	3-1-0-4	Rajorshi Ray		

Sd/-

Date:22-06-2024 Dean (Academics)