

International Institute of Information Technology, Hyderabad

Course offerings in 2022-23 Semester II (Spring)

Version 3- 15.12.2022

UG Programmes

CD	AD	CNO	CName	Credits	Faculty Name(s)
B.Tech I year II Semester - CSE&CSD					
In	CS	CS6.201	Introduction to Software Systems (H1)	1-0-3-2	Anoop Namboodiri + Prakash Yalla
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Ravi Kiran S + Suryajith Chillara
In	CS	CS2.201	Computer Systems Organization	3-1-0-4	Praveen Paruchuri
In	EC	CS3.303	Introduction to IoT	1-0-3-3	Deepak Gangadharan + Kavita Vemuri
In	MA	MA2.101	Linear Algebra	3-1-0-4	Indranil Chakrabarthy + Siddhartha Das
In	OT	OC2.102	Arts-2	2-0-0-2	Saroja TK (Coordinator)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 14-5-9-21		
B.Tech I year II Semester - ECE & ECD					
In	EC	EC2.103	Analog Electronic Circuits	3-1-3-5	Abhishek Srivastava + Ubaidulla
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Ravi Kiran S + Suryajith Chillara
In	MA	MA2.101	Linear Algebra	3-1-0-4	Indranil Chakrabarthy + Siddhartha Das
In	EC	EC5.102	Information and Communication	3-1-0-4	Prasad Krishnan
In	OT	OC2.102	Arts-2	2-0-0-2	Saroja TK (Coordinator)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 14-6-6-21		
B.Tech I year II Semester – CND					
In	CS	CS6.201	Introduction to Software Systems (H1)	1-0-3-2	Anoop Namboodiri + Prakash Yalla
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Ravi Kiran S + Suryajith Chillara
In	MA	MA2.101	Linear Algebra	3-1-0-4	Indranil Chakrabarthy + Siddhartha Das
In	CNS	SC4.102	Computing in Sciences II (H2)	3-1-0-2	Prabhakar B
PR	CNS	SC1.102	Classical Mechanics (H1)	3-1-0-2	Harjinder Singh
PR	CNS	SC1.101	Electrodynamics (H2)	3-1-0-2	Harjinder Singh
In	CNS	SC2.101	General and Structural Chemistry	3-1-0-4	Tapan Kumar Sau
In	OT	OC2.102	Arts-2	2-0-0-2	Saroja TK (Coordinator)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 18-8-6-24		
B.Tech I year II Semester – CLD					
In	MA	MA2.101	Linear Algebra	3-1-0-4	Indranil Chakrabarthy + Siddhartha Das
In	CS	CS6.201	Introduction to Software Systems (H1)	1-0-3-2	Anoop Namboodiri + Prakash Yalla
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Ravi Kiran S + Suryajith Chillara
In	CS	CS2.201	Computer Systems Organization	3-1-0-4	Praveen Paruchuri
In	CL	CL1.102	Introduction to Linguistics II	3-1-0-4	Aditi Mukherjee
In	CL	CL3.101	Computational Linguistics 1	3-1-0-4	Radhika Mamidi

In	OT	OC2.102	Arts-2	2-0-0-2	Saroja TK (Coordinator)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 18-7-6-26		
B.Tech I year II Semester – CHD					
In	MA	MA3.101	Linear Algebra	3-1-0-4	Indranil Chakrabarthy + Siddhartha Das
In	CS	CS6.201	Introduction to Software Systems (H1)	1-0-3-2	Anoop Namboodiri + Prakash Yalla
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Ravi Kiran S + Suryajith Chillara
In	HS	HS8.101	Making of the Contemporary World	3-1-0-4	Aakansha Natani
In	HS	HS0.201	Thinking and Knowing in the Human Sciences-I	3-1-0-4	Ashwin Jyanti + Sushmita Banerjee
In	OT	OC2.102	Arts-2	2-0-0-2	Saroja TK (Coordinator)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 15-6-6-22		
B.Tech II year II Semester – CSE&CSD					
In	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Loganathan + Raghu Reddy
Pr	CS	CS7.301	Machine, Data and Learning	3-1-0-4	Vikram Pudi + Praveen P
In	HS	HS8.102	Intro to Human Sciences	3-1-0-4	Aniket Alam + Nazia Akhtar + Priyanka Srivastava + Aakansha Natani
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	CS		Breadth Elective-1	3-1-0-2	Required to do at least one course in each bucket (Theory/Foundation and Systems/Applications). List is below.
In	CS		Breadth Elective-2	3-1-0-2	
In	CS		Breadth Elective-3	3-1-0-2	
In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordinators)
In	OT	OC1.104	Sports-4	0-2-0-1	Physical Education Centre
			Total 21-11-0-25		
LE-CSD-2K22 I year II Semester					
In	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Loganathan + Raghu Reddy
Pr	CS	CS7.301	Machine, Data and Learning	3-1-0-4	Vikram Pudi + Praveen P
In	HS	HS8.102	Intro to Human Sciences	3-1-0-4	Aniket Alam + Nazia Akhtar + Priyanka Srivastava + Aakansha Natani
Pr	CS		Breadth Elective-1	3-1-0-2	Required to do at least one course in each bucket (Theory/Foundation and Systems/Applications). List is below.
In	CS		Breadth Elective-2	3-1-0-2	
In	CS		Breadth Elective-3	3-1-0-2	
Pr	OT		Open Elective-1	3-1-0-4	
In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordinators)
In	OT	OC1.102	Sports-2	0-2-0-1	Physical Education Centre
			Total 21-11-0-25		
Theory/Foundations Courses - Limit is 90 per course					
		CS8.301	Introduction to Information Security (H1)	3-1-0-2	Ashok Kumar Das
		EC5.205	Introduction to Coding Theory (H2)	3-1-0-2	Lalitha V
		CS1.305	Introduction to Algorithms Engineering (H2)	3-1-0-2	Kishore Kothapalli

		CS9.312	Introduction to Quantum Information and Computation (H1)	3-1-0-2	Siddhartha Das + Shantanav Charkravarthy
Systems/Applications Courses - Limit is 90 per course					
		CS7.303	Digital Signal Analysis (H2)	3-1-0-2	Anil Kumar V
		CS4.302	Data Visualisation (H2) - Max (40)	2-0-1-2	Kamal Karlapalem
		CS9.311	Introduction to Brain and Cognition (H2)	3-1-0-2	Kavita Vemuri
		CS7.302	Computer Graphics (H1)	3-1-0-2	Avinash Sharma
		CS3.307	Performance Modeling of Computer Systems (H1)	3-1-0-2	Tejas Bodas
B.Tech II year II Semester ECE & ECD & LED-2K22 I year II Semester					
Pr	EC	EC5.203	Communication Theory	3-1-0-4	Praful Mankar
Pr	EC	EC2.202	Electronics Workshop II	0-1-3-4	Arti Yardi + Anshu Sarje
Pr	EC	EC2.204	Intro to Processor Architecture (H1)	3-1-0-2	Deepak Gangadharan
In	HS	HS8.102	Intro to Human Sciences	3-1-0-4	Aniket Alam + Nazia Akhtar + Priyanka Srivastava + Aakansha Natani
Pr	EC		Stream Foundation-1	3-1-0-4	
In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordinators)
In	OT	OC1.104	Sports-4 (for LED Sports-2)	0-2-0-1	Physical Education Centre
			Total 12-9-3-21		
Electives for UG2 ECE/ECD/LED Students					
		EC1.201	Intro to Bio Electronics (H2)	3-1-0-2	Prabhakar B
		EC5.204	Communication and Controls in IoT (H1)	3-1-0-2	Sachin Chaudhari + Aftab Hussain
		EC5.205	Introduction to Coding Theory (H2)	3-1-0-2	Lalitha V
B.Tech II year II Semester CND					
In	CS	CS2.201a	Computer Systems Organization	3-1-0-4	Suryajith + Girish Varma
Pr	CS	CS7.301	Machine, Data and Learning	3-1-0-4	Vikram Pudi + Praveen P
In	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Loganathan + Raghu Reddy
Pr	CNS	SC1.204	Thermodynamics (H1)	3-1-0-2	Subhadip Mitra
Pr	CNS	SC1.205	Statistical Mechanics (H2)	3-1-0-2	Bhaswar Ghosh
Pr	CNS	SC2.203	Biomolecular Structures (H2)	3-1-0-2	Prabhakar B
Pr	CNS	SC2.202	Organic Chemistry (H1)	3-1-0-2	Prabhakar B
Pr	CNS	SC4.111	Science Lab II (H)	0-0-3-2	Tapan Kumar Sau + Prabhakar B
In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordinators)
In	OT	OC1.104	Sports-4	0-2-0-1	Physical Education Centre
			Total 15-9-3-25		
B.Tech II year II Semester CLD					
In	CS	CS2.201a	Computer Systems Organization	3-1-0-4	Suryajith + Girish Varma
Pr	CL	CS7.401	Introduction to NLP	3-1-0-4	Manish Srivastava
Pr	CS	CS7.303	Digital Signal Analysis (H2)	3-1-0-2	Anil Kumar V
Pr	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Loganathan + Raghu Reddy
Pr	CS	CS7.301	Machine, Data and Learning	3-1-0-4	Vikram Pudi + Praveen P
In	HS	HS8.102	Introduction to Human Sciences	3-1-0-4	Aniket Alam + Nazia Akhtar + Priyanka Srivastava + Aakansha Natani

In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordiantors)
In	OT	OC1.104	Sports-4	0-2-0-1	Physical Education Centre
			Total 18-9-0-25		
B.Tech II year II Semester CHD					
Pr	CS	CS2.201a	Computer System Organization	3-1-0-4	Suryajith + Girish Varma
Pr	CS	CS7.301	Machine, Data and Learning	3-1-0-4	Vikram Pudi + Praveen P
Pr	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Loganathan + Raghu Reddy
Pr	HS	HS0.302	Research Methods in Human Sciences	3-1-0-4	Aniket Alam
Pr	HS	HS7.301	Science, Technology and Society	3-1-0-4	Radhika Krishnan
Pr	HS	HS2.302	Gender, Kinship, and State Law (H2)	3-1-0-2	Rama Srinivasan
In	HS	OC3.102	Value Education II	0-2-0-2	Radhika M + Anil Kumar V (Coordiantors)
In	OT	OC1.104	Sports-4	0-2-0-1	Physical Education Centre
			Total 18-10-0-25		
B.Tech III year II Semester – CSE					
Pr	CS	CS9.301/C S9.303	BTP I / CSE-Honours Project 2	0-2-6-2	
Pr	CS		Bouquet Course – 2	3-1-0-4	
Pr	CS		Bouquet Course – 3	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
Pr	OT		Open Elective - 2	3-1-0-4	
			Total 12-6-6-18		
B.Tech III year II Semester – CSD & LCD-2K21 II year II Semester					
Pr	CS	CS9.303	CSE-Honours Project 2	0-2-6-2	
Pr	CS		Bouquet Course – 2	3-1-0-4	
Pr	CS		Bouquet Course – 3	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
Pr	OT		Open Elective - 2	3-1-0-4	
Pr	CS		Stream Elective - 2	3-1-0-4	
			Total 15-7-6-22		
B.Tech III year II Semester – ECE:					
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	EC	EC2.202a	Electronics Workshop II	3-1-3-4	Spandan Roy + Prasad Krishnan + Zia Abbas
Pr	EC		Stream Elective - 2	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
Pr	EC	EC9.301/E C9.303	BTP-I/ECE-Honours Project 2	0-2-6-2	
			Total 12-6-9-18		
B.Tech III year II Semester – ECD & LED-2K21 II year II Semester					
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	EC	EC2.202a	Electronics Workshop II	3-1-3-4	Spandan Roy + Prasad Krishnan + Zia Abbas
Pr	EC		Stream Elective - 2	3-1-0-4	
Pr	EC		Stream Elective - 3	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
Pr	EC	EC9.303	ECE-Honours Project 2	0-2-6-2	
			Total 15-7-9-22		

B.Tech III year II Semester – CND					
Pr	CNS	SC9.303	CNS-Honours Project II	0-2-6-2	
Pr	HS	HS8.102	Intro to Human Sciences	3-1-0-4	Aniket Alam + Nazia Akhtar + Priyanka Srivastava + Aakansha Natani
Pr	CNS		CNS Elective-1	3-1-0-4	
Pr	CNS		CNS Elective-2	3-1-0-4	
Pr	CS		CS Elective-2	3-1-0-4	
Pr	CNS	SC9.600	CCNSB Seminar	0 Cr	
			Total	12-6-6-18	
B.Tech III year II Semester – CLD:					
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	CL	CL9.303	CL-Honours Project 2	0-2-6-2	
Pr	CL		CL-Stream Elective 1	3-1-0-4	
Pr	CS		CS Elective 2	3-1-0-4	
Pr	OT		Open Elective - 1	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
			Total	18-8-6-22	
B.Tech III year II Semester – CHD					
Pr	HS	HS9.303	HS-Honours Project 2	0-2-6-2	
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	CS		CS-Elective 2	3-1-0-4	
Pr	CS		CS-Elective 3	3-1-0-4	
Pr	OT		Open Elective 1	3-1-0-4	
Pr	HS		Human Sciences Elective 3	3-1-0-4	
			Total	15-7-6-22	
B.Tech IV year II semester – CSE					
Pr	CS		Bouquet Core 5	3-1-0-4	
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below.
Pr	OT		Open Elective 5	3-1-0-4	
Pr	HS		HS Elective 3	3-1-0-4	
Pr	SC		Science Elective 2	3-1-0-4	
			Total	15-5-0-18	
B.Tech IV year II semester - CSD and LCD-2K20 III year II semester					
Pr	CS	CS9.403	CS-Honours Project 4	0-2-6-2	
Pr	CS		Bouquet Core 5	3-1-0-4	
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below.
Pr	OT		Open Elective 5	3-1-0-4	
Pr	HS		HSS Elective 3	3-1-0-4	
Pr	SC		Science Elective 2	3-1-0-4	
			Total	15-7-6-20	
B.Tech IV year II Semester – ECE					
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below.
Pr	OT		Open Elective 4	3-1-0-4	
Pr	OT		Open Elective 5	3-1-0-4	
Pr	SC		Science Elective 2	3-1-0-4	
Pr	HS		HSS Elective 3	3-1-0-4	
			Total	15-5-0-18	
B.Tech IV year II Semester – ECD and LED-2K20 III year II Semester					
Pr	EC	EC9.403	ECE-Honours Project 4	0-2-6-2	
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below.

Pr	OT		Open Elective 4	3-1-0-4	
Pr	OT		Open Elective 5	3-1-0-4	
Pr	SC		Science Elective 2	3-1-0-4	
Pr	HS		HSS Elective 3	3-1-0-4	
Pr	EC		Stream Elective 6	3-1-0-4	
			Total 18-8-6-24		
B.Tech IV year II Semester – CND					
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below.
Pr	CNS	SC9.403	CNS-Honours Project 4	0-2-6-2	
Pr	CNS		CNS Elective 4	3-1-0-4	
Pr	CNS		CNS Elective 5	3-1-0-4	
Pr	CS		CS Elective 5	3-1-0-4	
Pr	HS		HSS Elective 1	3-1-0-4	
Pr	CNS	SC9.600	CCNSB Seminar 4	0 Cr	
			Total 15-7-6-20		
B.Tech IV year II Semester - CLD					
Pr	CL	CL9.403	CL-Honours Project 4	0-2-6-2	
Pr	HS		Ethics 2*	3-1-0-2	Courses list is given below
Pr	MA		Maths Elective	3-1-0-4	
Pr	CL		CL Elective 4	3-1-0-2	
Pr	CS		CS Elective 4	3-1-0-4	
Pr	OT		Open Elective 3	3-1-0-4	
			Total 15-7-6-18		
B.Tech IV year II Semester - CHD					
Pr	CL	HS9.403	HS-Honours Project 4	0-2-6-2	
Pr	HS	HS8.302	Classical Text Readings II	3-1-0-4	Aniket Alam (Coordinator)
Pr	HS		Human Sciences Elective 6	3-1-0-4	
Pr	CL		Open Elective 4	3-1-0-4	
Pr	CS		CS Elective 5	3-1-0-4	
			Total 12-6-6-18		
* Ethics2 Sub Electives - Random selection based on preferences					
Pr	HS	HS0.206	Thinking through moral problems (H2)	3-0-0-2	Ashwin Jyanti
Pr	HS	HS0.208	Questions of Crime and Punishment in Literature (H1)	3-0-0-2	Nazia Akhtar
Pr	HS	HS0.209	Exploring Masculinities (H2)	3-0-0-2	Vindhya Undurti, TISS, Hyd
Pr	HS	HS0.210	Literature and the Ethics of telling a Story (H1)	3-0-0-2	Sushmita Banerjee
Pr	HS	HS0.211	Values, Ethics and AI (H1)	3-0-0-2	Shatrunjay Rawat
Pr	HS	HS0.207	Science and Technology: Critical Perspectives (H2)	3-0-0-2	Saurabh Todariya
PG Programmes					
CD	AD	CNO	CName	Credits	Faculty Name(s)
M.Tech I year II Semester - CSE					
			Bouquet core	3-1-0-4	
			Bouquet core	3-1-0-4	
			Area electives	3-1-0-4	
			Breadth Elective/Project/Independent Study	3-1-0-4	
			Total 12-4-0-16		
M.Tech II year II Semester – CSE					
			Area Elective	3-1-0-4	
			Area Elective	3-1-0-4	
			Area Elective	3-1-0-4	

			Open Elective/Project/Independent Study	3-1-0-4	
			Total 12-4-0-16		
M.Tech I year II Semester – CSIS					
		CS8.403	System and Network Security	3-1-0-4	Ankit Gangwal
		CS8.401	Principles of Information Security	3-1-0-4	Kannan Srinathan
			Bouquet Core	3-1-0-4	
			Bouquet/ Area/ CS/ IT Elective	3-1-0-4	
			Total 12-4-0-16		
M.Tech II year II Semester – CSIS					
		CS9.412	PG-Project	0-2-6-4	
		CS8.402	Information Security Audit and Assurance	3-1-0-4	Shatrunjay Rawat
			Bouquet Core	3-1-0-4	
			Area/ CS/ IT Elective	3-1-0-4	
			Total 9-5-6-16		
M.Tech I Year II Semester – CASE					
		CS0.302	Computing Tools	3-1-3-4	Sriranjani + Charu Sharma
			Electvie I	3-1-0-4	
			Electvie II	3-1-0-4	
			Elective III	3-1-0-4	
			Elective IV	3-1-0-4	
			Total 15-5-3-20		
M.Tech II Year II Semester – CASE					
		CE9.403	CASE Project	0-2-6-12	
			Total 0-2-6-12		
M.Tech I Year II Semester – Product Design and Management - Full Time					
Pr	PD	PD2.422	Business Finance (H1)	3-1-0-2	Ritesh Dubey
In	OT	PD9.602	PDM Seminar-2	0-0-0-1	Ramesh Logantahan + Prakash Yalla + Ravi Warriar
In	CS	PD9.402	PDM Project-1	0-0-2-1	Ramesh Logantahan + Prakash Yalla + Ravi Warriar
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		
M.Tech II Year I Semester – Product Design and Management - Full Time					
In	CS	PD2.501	Product Marketing	3-1-0-4	Ravi Warriar
In	CS	PD9.403	PDM Project-3	0-2-6-12	Ramesh Loganathan + Prakash Yalla + Ravi Warriar
			Total 3-3-6-16		

Electives

		CNO	CName	Credits	Faculty Name(s)
Electives for CND Students					
		SC1.315	Nonlinear Dynamics	3-1-0-4	Abhishek Deshpande
		SC3.303	Advanced Bioinformatics	3-1-0-4	Nita Parekh
		SC1.420	Introduction to Particle Physics	3-1-0-4	Subhadip Mitra

		SC4.411	Machine Learning for Natural Sciences	3-1-0-4	Prabhakar B + Vinod PK
		SC2.301	Physics of Soft Condensed Matter	3-1-0-4	Marimuthu Krishnan
		SC2.316	Molecular Modeling and Simulations	3-1-0-4	Deva Priyakumar + Marimuthu Krishnan
		SC1.415	Physics of The Early Universe (40)	3-1-0-4	Diganta Das
		SC1.440	Dynamical Processes in Complex Networks	3-1-0-4	Chittaranjan Hens
Electives for CLD Students					
		CS9.435	Computational Social Science (48)	3-1-0-4	Ponnurangam K
		CL3.407	Neural Natural Language Generation (H1)	3-1-0-2	Manish Shrivastava + Vasudeva Varma
		CL5.401	Topics in SSMT	3-1-0-4	Anil Kumar V + Chiranjeevi Yerra
		CL2.402	Convergence & Divergence in Indian Languages	3-1-0-4	Parameswari Krishnamurthy
		CL3.406	Linguistic Data 3: Data Modelling in ILs (H2)	3-1-0-2	Parameswari Krishnamurthy
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					
Signal Processing & Communication Stream					
		CS7.505	Computer Vision	3-1-0-4	Avinash Sharma
		CS7.403	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
		EC5.402	Time Frequency Analysis	3-1-0-4	Anil Kumar V + Chiranjeevi Yerra
		EC5.401	Topics in Signal Processing	3-1-0-4	Santosh Nannuru
		EC5.405	Medical Image Analysis	3-1-0-4	Jayanthi Sivaswamy
VLSI and Embedded Systems Stream					
		EC2.408	Digital VLSI Design	3-1-0-4	Zia Abbas
		EC2.502	Flexible Electronics	3-1-0-4	Aftab Hussain
Robotics Stream					
		EC4.403	Robotics: Planning and Navigation	3-1-0-4	Madhava Krishna K
		EC4.402	Intro to UAV Design	3-1-0-4	Harikumar Kandath
		CS7.505	Computer Vision	3-1-0-4	Avinash Sharma
		CS7.403	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
		EC4.501	Advances in Robotics & Control	3-1-0-4	Spandan Roy
		EC4.404	Mechatronics System Design	3-1-0-4	Nagamanikandan + Harikumar K
Electives for PG CASE Students					
		CE1.603	Advanced Structural Analysis	3-1-0-4	Pravin Kumar Venkat Rao
		CE5.501	Design of Hydraulic Structures	3-1-0-4	Shaik Rehana
		CE1.602	Stability Design of Steel Structures	3-1-0-4	Sunitha P
		CE1.601	Earthquake Engineering	3-1-0-4	Srinagesh D (Retd. Prof. NGRI)
Electives for M.Tech PDM students - Offering to other students as Open elective- Max 20 students allowed					
PD Electives		PD1.501	Human Computer Interaction (H1)	3-1-0-2	Raman Saxena
		PD1.411	Product Design Workshop (H)	3-1-0-2	Prakash Yalla
		PD1.502	Design of Wearable Systems (H2)	3-1-0-2	Raghu Reddy
		CS5.402	Usability of Software and Digital Products	3-1-0-2	Raman Saxena + Nimmi Rangaswamy
Business/ Entrepren Electives		CS9.424	Technology Product Entrepreneurship	3-1-0-4	Ramesh Loganathan + Prakash Yalla
		PD2.423	Organizational Operations (H2)	3-1-0-2	TBD

Bouquet Courses - Registration Limit: 150					
	Theory Courses				
	CS1.404	Optimization Methods	3-1-0-4	Naresh Manwani	
	CS1.406	Advanced Algorithms	3-1-0-4	Suryajith Ch	
	CS8.401	Principles of Information Security	3-1-0-4	Kannan Srinathan	
	Systems Courses				
	CS4.401	Data Systems	3-1-0-4	Krishna Reddy P	
	CS6.401	Software Engineering	3-1-0-4	Karthik Vaidhyanathan	
	CS3.401	Distributed Systems Prerequisite: Operating Systems. Networks desirable	3-1-0-4	Lini Thomas	
	CS1.403	Compilers	3-1-0-4	Venkatesh Choppella	
	AI Courses				
	CS7.403	Statistical Methods in AI	3-1-0-4	Vineet Gandhi	
	CS7.505	Computer Vision	3-1-0-4	Avinash Sharma	
	CPS				
	EC4.404	Mechatronics System Design	3-1-0-4	Nagamanikandan + Harikumar K	
	IT+X				
	CS4.410	Spatial Data Sciences	3-1-0-4	KS Rajan	
CSE/Open Electives					
	CS7.401	Introduction to NLP	3-1-0-4	Manish Shrivastava	
	CS8.403	System and Network Security	3-1-0-4	Ankit Gangwal	
	CS8.402	Information Security Audit and Assurance	3-1-0-4	Shatrunjay Rawat	
	CS7.505	Computer Vision	3-1-0-4	Avinash Sharma	
	CS1.408	Introduction to Game Theory	3-1-0-4	Sujit Gujar	
	CS3.404	Internals of Application Servers	3-1-0-4	Ramesh Loganathan	
	CS9.432	Cognitive Science and AI	3-1-0-4	Bapi Raju S	
	CS1.501	Advanced Optimization: Theory and Applications	3-1-0-4	Pawan Kumar	
	CS9.422	Behavioral Research: Statistical Methods	3-0-1-4	Vishnu Sreekumar + Vinoo Alluri	
	CS9.434	Music, Mind, and Technology (Open Elective)	3-1-0-4	Vinoo Alluri	
	CE8.401	Disaster Management (40)	3-1-0-4	Sunitha P + Pravin Kumar	
	CS9.433	Hydro Informatics (40)	3-1-0-4	Shaik Rehana	
	CS7.602	Topics in Deep Learning (50)	3-1-0-4	Charu Sharma + Makarand Tapaswi	
	CS4.409	Data Foundation Systems	3-1-0-4	Vikram Pudi + G.Venugopal, iHub-Data	
	CS9.435	Computational Social Science (48)	3-1-0-4	Ponnurangam K	
	CS9.436	Optical Remote Sensing	3-1-0-4	RC Prasad	
	CS9.430	Cognitive Neuroscience (Max:50)	3-1-0-4	Bhaktee Dongaonkar	
	EC5.405	Medical Image Analysis	3-1-0-4	Jayanthi Sivaswamy	
	SC1.440	Dynamical Processes in Complex Networks	3-1-0-4	Chittaranjan Hens	
	CL3.407	Neural Natural Language Generation (H1)	3-1-0-2	Manish Shrivastava + Vasudeva Varma	
	CS7.603	Topics in Reinforcement Learning	3-1-0-4	Tejas Bodas + Harikumar K	

		CS5.401	User Interaction and Usability of Digital Products (Max:30) (Open Elective)	3-1-0-4	Raman Saxena + Nimmi Rangaswamy
		CS4.410	Spatial Data Sciences	3-1-0-4	KS Rajan
		CS6.502	Topics in Software Foundations	3-1-0-4	Venkatesh Choppella
			Cognitive Seminar - 0 Credits (For Cognitive Sci Students)	0-2-0-0	Bhaktee Dongaonkar + Vishnu Sreekumar
Math Electives (Random selection) Maximum no. of students for the following courses is: 50 each					
		MA4.303	Linear Partial Differential Equations and Variational Calculus	3-1-0-4	Samyadeb Bhattacharya
		CS7.508	Mathematics of Generative Models	3-1-0-4	Pawan Kumar
		CS1.502	Information-Theoretic Methods in Computer Science (Open Elective)	3-1-0-4	Prasad Krishnan + Gowtham K
Science Electives (Random selection) Max. no of students for each course is given in the brackets					
		SC1.315	Nonlinear Dynamics (40)	3-1-0-4	Abhishek Deshpande
		SC1.420	Introduction to Particle Physics (40)	3-1-0-4	Subhadip Mitra
		SC4.411	Machine Learning for Natural Sciences (10)	3-1-0-4	Prabhakar B + Vinod PK
		SC2.301	Physics of Soft Condensed Matter (40)	3-1-0-4	Marimuthu Krishnan
		SC2.316	Molecular Modeling and Simulations (50)	3-1-0-4	Deva Priyakumar + Marimuthu Krishnan
		SC1.415	Physics of The Early Universe (40)	3-1-0-4	Diganta Das
		SC1.440	Dynamical Processes in Complex Networks	3-1-0-4	Chittaranjan Hens
Humanities Electives for UG3 and UG4 (Random selection) Max. no of students for each course is 40					
		HS5.201	Growth and Development (40)	3-1-0-4	Anirban Dasgupta
		HS4.302	Internet and Democracy (40)	3-1-0-4	Aakansha Natani
		HS0.204	Introduction to Philosophy of Technology (40)	3-1-0-4	Ashwin Jayanti
		HS3.304	The Gutenberg Parenthesis (40)	3-1-0-4	Aniket Alam
		HS3.305	Migrants and Migrations in Modern South Asia (40)	3-1-0-4	Isha Dubey
		HS1.302	Readings in Russian Literature: The Nineteenth Century (40)	3-1-0-4	Nazia Akhtar
		HS7.301	Science, Technology and Society (15)	3-1-0-4	Radhika Krishnan
		HS1.208	Introduction to Film (40)	3-1-0-4	Sushmita Banerjee
		HS0.213	Introduction to Existential Philosophy (80)	3-1-0-4	Shipra Dikshit
		HS1.206	Comprehension of Indian Music (50)	3-1-0-4	TK Saroja
		HS0.212	Philosophical Foundations of Knowledge (40)	3-1-0-4	Saurabh Todariya

Sd/-

Dean (Academics)

Date: 03.12.2022