International Institute of Inforamtion Technology, Hyderabad
Course offerings in 2023-24 Semester II (Spring)
UG Programmes

Version 2- 06.12.2023

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 + Manish Shrivastava + Gowtham Kurri
In	CS	CS2.201	Computer Systems Organization	3-1-0-4	Praveen Paruchuri + Deepak Gangadharan
In	EC	CS3.303	Introduction to IoT	1-0-3-3	Suresh Purini + Kavita Vemuri
In	MA	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborthy
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
In	CS	CS1.201	Data Structures and Algorithms	3-1-3-5	Sujit Gujar + Manish Shrivastava + Gowtham Kurri
In	MA	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborthy
In	EC	EC5.102	Information and Communication	3-1-0-4	Prasad Krishnan + Arti Yardi
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 + Manish Shrivastava + Gowtham Kurri
In	MA	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborthy
In	CNS	SC4.102	Computing in Sciences II **(H2)**	3-1-0-2	Prabhakar Bhimalapuram
PR	CNS	SC1.102	Classical Mechanics **(H1)**	3-1-0-2	Diganta Das
PR	CNS	SC1.101	Electrodynamics **(H2)**	3-1-0-2	Diganta Das
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	Siddharatha Das + Indranil Chakraborthy
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 + Manish Shrivastava + Gowtham Kurri
In	CS	CS2.201	Computer Systems Organization	3-1-0-4	Praveen Paruchuri + Deepak Gangadharan
In	CL	CL1.102	Introduction to Linguistics II	3-1-0-4	Aditi Mukherjee + Rajakrishnan
In	CL	CL3.101	Computational Linguistics 1	3-1-0-4	Parameswari Krishnamurthy + 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	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborthy
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 + Manish Shrivastava + Gowtham Kurri
In	HS	HS8.101	Making of the Contemporary World	3-1-0-4	Anirban Dasgupta + Isha Dubey
In	HS	HS0.201	Thinking and Knowing in the Human Sciences-I	3-1-0-4	Saurabh Todariya + Nazia Akhtar
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 Lognathan + 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	Nazia Akhtar + Aakansha Natani
Pr	SC	SC1.111	Science II	3-1-0-4	Chittaranjan Hens + Nita Parekh
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 **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
In	OT	OC1.104	Sports-4	0-2-0-1	Physical Education Centre
			Total 21-11-0-25		
LE-CSD-2K23 I year II Semester					
In	CS	CS6.301	Design and Analysis of Software Systems	3-1-0-4	Ramesh Lognathan + 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	Nazia Akhtar + 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 **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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 **(H1)**	3-1-0-2	Arti Yardi + Prasad Krishnan
		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	Uttam Singh
		CS1.306	Numerical Algorithms **(H2)**	3-1-0-2	Pawan Kumar

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 **(39)**	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	K T Aakash Ajit + PJN
		CS3.307	Performance Modeling of Computer Systems **(H1)**	3-1-0-2	Tejas Bodas
		CS3.302	Software Programming for Performance **(H2)**	3-1-0-2	Suresh Purini
		CS9.315	Introduction to Spatial Science and Technology **(H1)**	3-1-0-2	RC Prasad + KS Rajan

B.Tech II year II Semester ECE & ECD & LED-2K23 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	Anshu Sarje + Spandan Roy
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	Nazia Akhtar + Aakansha Natani
Pr	EC		Stream Foundation-1	3-1-0-4	
In	HS	OC3.102	Value Education II **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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

		EC5.204	Communicaton and Controls in IoT **(H2)**	3-1-0-2	Sachin Chaudari + Aftab Hussain
		EC5.205	Introduction to Coding Theory **(H1)**	3-1-0-2	Arti Yardi + Prasad Krishnan

			B.Tech II year II Semester CND		
In	CS	CS2.201	Computer Systems Organization	3-1-0-4	Praveen Paruchuri + Deepak Gangadharan
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 Lognathan + Raghu Reddy
Pr	CNS	SC1.204	Thermodynamics **(H1)**	3-1-0-2	Harjinder Singh
Pr	CNS	SC1.205	Statistical Mechanics **(H2)**	3-1-0-2	Bhaswar Gosh
Pr	CNS	SC2.203	Biomolecular Structures **(H2)**	3-1-0-2	U Deva Priyakumar
Pr	CNS	SC2.202	Organic Chemistry **(H1)**	3-1-0-2	Prabhakar Bhimalapuram
Pr	CNS	SC4.111	Science Lab II **(H)**	0-0-3-2	Tapan Kumar Sau + Chittaranjan Hens
In	HS	OC3.102	Value Education II **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	CL	CL2.204	Language Typology and Universals	3-1-0-4	Radhika Mamidi
PR	CL	CS7.401	Introduction to NLP	3-1-0-4	Manish Shrivastava + Rahul Mishra
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 Lognathan + 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	Nazia Akhtar + Aakansha Natani
In	HS	OC3.102	Value Education II **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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	CS2.201	Computer System Organization	3-1-0-4	Praveen Paruchuri + Deepak Gangadharan
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	Anirban Dasgupta + Isha Dubey
Pr	HS	HS7.301	Science, Technology and Society	3-1-0-4	Radhika Krishnan
Pr	HS	HS4.202	Understanding Political Theory **(H1)**	3-1-0-2	Aakansha Natani
In	HS	OC3.102	Value Education II **(H)**	0-2-0-2	Shatrunjay Rawat (Coordinator)
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/CS9.303	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-2K22 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	EC9.301/EC9.303	BTP-I/ECE-Honours Project 2	0-2-6-2	
Pr	EC		Open Elective 2	3-1-0-4	
Pr	EC		Stream Elective - 2	3-1-0-4	
Pr	HS		HSS Elective - 2	3-1-0-4	
			Total 12-6-9-18		

B.Tech III year II Semester – ECD & LED-2K22 II year II Semester

Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	EC	EC9.303	ECE-Honours Project 2	0-2-6-2	
Pr	EC		Open Elective 2	3-1-0-4	
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	
			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	Nazia Akhtar + 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	Abhishek Deshpande
			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	CL1.204	Language Typology and Universals	3-1-0-4	Radhika Mamidi
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-2K21 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-2K21 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	Abhishek Deshpande
			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 **(H1)**	3-0-0-2	Ashwin Jayanti
Pr	HS	HS0.215	AI and Human Rights **(H2)**	3-0-0-2	Aakansha Natani
Pr	HS	HS0.209	Exploring Masculinities **(H1)**	3-0-0-2	Vindhya Undurti
Pr	HS	HS0.210	Literature and the Ethics of telling a Story **(H1)**	3-0-0-2	Sushmita Banerji
Pr	HS	HS0.211	Values, Ethics and AI **(H2)**	3-0-0-2	Shatrunjay Rawat + Rajeev Sangal
Pr	HS	HS0.207	Science and Technology: Critical Perspectives **(H2)**	3-0-0-2	Saurabh Todariya

<h2 align="center" style="color:red">PG Programmes</h2>

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 K
			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	A Sarath Babu
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	3-1-0-4	
Pr	PD		Business Elective 2	3-1-0-2	
Pr	PD	PD9.602	PDM Seminar	0Cr	
			Total 21-7-2-16		

M.Tech II Year II Semester – Product Design and Management - Full Time

In	CS	PD9.404	PDM Project-4	0-2-6-12	Raman Saxena + Prakash Yalla + Ravi Warrier
In	PD		Business/Design/Open Elective	3-1-0-4	
			Total 3-3-6-16		

Electives

		CNO	CName	Credits	Faculty Name(s)
Electives for CND Students					
		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
		SC1.440	Dynamical Processes in Complex Networks	3-1-0-4	Chittaranjan Hens
		SC2.315	Molecular Symmetry and Quantum Mechanics	3-1-0-4	Harjinder Singh
		SC3.410	NGS Data Analysis	3-1-0-4	Nita Parekh
		SC3.316	Mathematical Methods in Biology (40)	3-1-0-4	Abhishek Deshpande
Electives for CLD Students					
		CL2.404	Computational Psycholinguistics	3-1-0-4	Rajakrishnan
		CL3.407	Neural Natural Language Generation **(H1)**	3-1-0-2	Manish Shrivastava + Rahul Mishra
		CL5.401	Topics in SSMT	3-1-0-4	Anil Kumar V + Chiranjeevi Yerra

		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	Makarand Tapaswi + Anoop Namboodiri
		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
		CS8.502	Topics in Information-Theoretic Privacy	3-1-0-4	Prasad Krishnan + Gowtham Kurri
	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
		EC1.202	Bioinstrumentation and Devices	3-1-0-4	Anshu Sarje
	Robotics Stream				
		EC4.402	Intro to UAV Design	3-1-0-4	Harikumar K
		CS7.505	Computer Vision	3-1-0-4	Makarand Tapaswi + Anoop Namboodiri
		CS7.403	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
		EC4.501	Advances in Robotics & Control	3-1-0-4	Spandan Roy
		EC4.403	Robotics: Planning and Navigation	3-1-0-4	Madhava Krishna K
		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
		CE1.608	Analysis & Design of Precast and Prestressed Structures	3-1-0-4	Shubham Singhal
		CE1.609	Analysis and Design of Bridge Structures	3-1-0-4	Jofin George
		CE5.501	Design of Hydraulic Structures	3-1-0-4	Shaik Rehana
		CE1.601	Earthquake Engineering	3-1-0-4	Sunitha P

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 **(H)**	3-1-0-2	Raghu Reddy
		CS5.402	Usability of Software and Digital Products **(H2)**	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	Santanu Mandal
		PD2.502	Product Lifecycle Management	3-1-0-4	Ravi Warrier

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				
		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	Makarand Tapaswi + Anoop Namboodiri
	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 + Rahul Mishra
		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	Makarand Tapaswi + Anoop Namboodiri
		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
		CS9.422	Behavioral Research: Statistical Methods	3-0-1-4	Vinoo Alluri + Vishnu Sreekumar
		CS9.434	Music, Mind, and Technology **(Open Elective)**	3-1-0-4	Vinoo Alluri
		CE8.401	Disaster Management **(40)**	3-1-0-4	Jofin George + Shubham Singhal
		CS7.602	Topics in Deep Learning **(50)**	3-1-0-4	Charu Sharma
		CS9.314	Remote Sensing	3-1-0-4	RC Prasad
		CS9.430	Cognitive Neuroscience **(Max:80)**	3-1-0-4	Bhaktee Dongaonkar
		CL3.407	Neural Natural Language Generation **(H1)**	3-1-0-2	Manish Shrivastava + Rahul Mishra
		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
		CG9.600	Cognitive Science Seminar - 0 Credits (For Cognitive Sci Students)	0-2-0-0	Bapi Raju + Priyanka Srivastava
		CS1.409	Quantum Algorithms	3-1-0-4	Shantanav Chakraborty
		CL2.404	Computational Psycholinguistics	3-1-0-4	Rajakrishnan
		CS7.405	Responsible & Safe AI Systems	3-1-0-4	Ponnurangam Kumaraguru

		CS8.502	Topics in Information-Theoretic Privacy	3-1-0-4	Prasad Krishnan + Gowtham Kurri
		CS3.502	Neuroinformatics (Max:20)	3-1-0-4	Vishnu Sreekumar
		MA7.501	Continuous Variable Quantum Information Theory and Computation	3-1-0-4	UttamSingh
		CS4.404	Advanced Data Systems	3-1-0-4	Suraj Sethia

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
		MA7.501	Continuous Variable Quantum Information Theory and Computation	3-1-0-4	UttamSingh

Science Electives (Random selection) Max. no of students for each course is given in the brackets

		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
		SC1.440	Dynamical Processes in Complex Networks	3-1-0-4	Chittaranjan Hens
		SC3.316	Mathematical Methods in Biology (40)	3-1-0-4	Abhishek Deshpande
		SC3.410	NGS Data Analysis	3-1-0-4	Nita Parekh
		SC1.308	The Universe Across Scales (150)	3-1-0-4	Subhadip Mitra+Chittaranjan Hens+Diganta Das

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
		HS3.305	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
		HS1.301	Critical Viewing and Reading (40)	3-1-0-4	Sushmita Banerjee
		HS1.210	Music Workshop (30)	3-1-0-4	TK Saroja
		HS8.202	Gender, Culture and Representation (40)	3-1-0-4	Subha Chakraburtty
		HS8.303	Environmental & Social Governance in Mineral Extraction (40)	3-1-0-4	Radhika Krishnan

Sd/-

Date: 2.11.2023   **Dean (Academics)**