

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

**Version 3- 13.12.2023**

CD	AD	CNO	CName	Credits	Faculty Name(s)
<b>B.Tech I year II Semester - CSE&amp;CSD</b>					
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 Chakraborty
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
			<b>Total 14-5-9-21</b>		
<b>B.Tech I year II Semester - ECE &amp; ECD</b>					
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 Chakraborty
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
			<b>Total 14-6-6-21</b>		
<b>B.Tech I year II Semester – CND</b>					
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 Chakraborty
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
			<b>Total 18-8-6-24</b>		
<b>B.Tech I year II Semester – CLD</b>					

In	MA	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborty
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
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
			<b>Total 18-7-6-26</b>		
<b>B.Tech I year II Semester – CHD</b>					
In	MA	MA2.101	Linear Algebra	3-1-0-4	Siddharatha Das + Indranil Chakraborty
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
			<b>Total 15-6-6-22</b>		
<b>B.Tech II year II Semester – CSE&amp;CSD</b>					
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	<b>Required to do at least one course in each bucket (Theory/Foundation and Systems/Applications). List is below.</b>
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
			<b>Total 21-11-0-25</b>		
<b>LE-CSD-2K23 I year II Semester</b>					
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	<b>Required to do at least one course in each bucket (Theory/Foundation and Systems/Applications). List is below.</b>
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
			<b>Total 21-11-0-25</b>		
<b>Theory/Foundations Courses - Limit is 90 per course</b>					
		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
<b>Systems/Applications Courses - Limit is 90 per course</b>					
		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>B.Tech II year II Semester ECE &amp; ECD &amp; LED-2K23 I year II Semester</b>					
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
			<b>Total 12-9-3-21</b>		
<b>Electives for UG2 ECE/ECD/LED Students</b>					
		EC5.204	Communication 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>B.Tech II year II Semester CND</b>					

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 (H1)	3-1-0-2	U Deva Priyakumar
Pr	CNS	SC2.202	Organic Chemistry (H2)	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
			<b>Total</b>	<b>15-9-3-25</b>	
<b>B.Tech II year II Semester CLD</b>					
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
			<b>Total</b>	<b>18-9-0-25</b>	
<b>B.Tech II year II Semester CHD</b>					
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
			<b>Total</b>	<b>18-10-0-25</b>	
<b>B.Tech III year II Semester – CSE</b>					
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	
			<b>Total 12-6-6-18</b>		
<b>B.Tech III year II Semester – CSD &amp; LCD-2K22 II year II Semester</b>					
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	
			<b>Total 15-7-6-22</b>		
<b>B.Tech III year II Semester – ECE:</b>					
Pr	SC	SC1.111	Science II	3-1-0-4	Nita Parekh + Chittaranjan Hens
Pr	EC	EC9.301/E C9.303	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	
			<b>Total 12-6-9-18</b>		
<b>B.Tech III year II Semester – ECD &amp; LED-2K22 II year II Semester</b>					
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	
			<b>Total 15-7-9-22</b>		
<b>B.Tech III year II Semester – CND</b>					
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
			<b>Total 12-6-6-18</b>		
<b>B.Tech III year II Semester – CLD:</b>					
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	
			<b>Total 18-8-6-22</b>		
<b>B.Tech III year II Semester – CHD</b>					
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	
			<b>Total 15-7-6-22</b>		
<b>B.Tech IV year II semester – CSE</b>					
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	
			<b>Total 15-5-0-18 (2 Credits of HP4 extra for Honours Students)</b>		
<b>B.Tech IV year II semester - CSD and LCD-2K21 III year II semester</b>					
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	
			<b>Total 15-7-6-20</b>		
<b>B.Tech IV year II Semester – ECE</b>					
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	
			<b>Total 15-5-0-18 (2 Credits of HP4 extra for Honours Students)</b>		
<b>B.Tech IV year II Semester – ECD and LED-2K21 III year II Semester</b>					
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	
			<b>Total 18-8-6-24</b>		
<b>B.Tech IV year II Semester – CND</b>					
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
			<b>Total 15-7-6-20</b>		
<b>B.Tech IV year II Semester - CLD</b>					
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	
			<b>Total 15-7-6-18</b>		

#### **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	Radhika Krishnan (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	
			<b>Total 12-6-6-18</b>		

#### **\* 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

### **PG Programmes**

CD	AD	CNO	CName	Credits	Faculty Name(s)
<b>M.Tech I year II Semester - CSE</b>					
			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	
			<b>Total 12-4-0-16</b>		
<b>M.Tech II year II Semester – CSE</b>					
			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	
			<b>Total 12-4-0-16</b>		
<b>M.Tech I year II Semester – CSIS</b>					
		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	
			<b>Total 12-4-0-16</b>		
<b>M.Tech II year II Semester – CSIS</b>					
		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	
			<b>Total 9-5-6-16</b>		
<b>M.Tech I Year II Semester – CASE</b>					
		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	
			<b>Total 15-5-3-20</b>		
<b>M.Tech II Year II Semester – CASE</b>					
		CE9.403	CASE Project	0-2-6-12	
			<b>Total 0-2-6-12</b>		
<b>M.Tech I Year II Semester – Product Design and Management - Full Time</b>					
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		Technology / Systems / Open Elective	3-1-0-4	
Pr	PD	PD9.602	PDM Seminar	0Cr	
			<b>Total 21-7-2-16</b>		
<b>M.Tech II Year II Semester – Product Design and Management - Full Time</b>					
In	CS	PD9.404	PDM Project-4	0-2-6-12	Raman Saxena + Prakash Yalla + Ravi Warriar
In	PD		Business/Design/Open Elective	3-1-0-4	
			<b>Total 3-3-6-16</b>		
<b>Electives</b>					
		<b>CNO</b>	<b>CName</b>	<b>Credits</b>	<b>Faculty Name(s)</b>
<b>Electives for CND Students</b>					
		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
<b>Electives for CLD Students</b>					
		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
	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
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 Warriar
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 <b>Prerequisite: Operating Systems. Networks desirable</b>	3-1-0-4	Lini Thomas
		CS1.403	Compilers	3-1-0-4	Venkatesh Choppella
	<b>AI Courses</b>				
		CS7.403	Statistical Methods in AI	3-1-0-4	Vineet Gandhi
		CS7.505	Computer Vision	3-1-0-4	Makarand Tapaswi + Anoop Namboodiri
	<b>CPS</b>				
		EC4.404	Mechatronics System Design	3-1-0-4	Nagamanikandan + Harikumar K
	<b>IT+X</b>				
		CS4.410	Spatial Data Sciences	3-1-0-4	KS Rajan
<b>CSE/Open Electives</b>					
		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 ( <b>Open Elective</b> )	3-1-0-4	Vinoo Alluri
		CE8.401	Disaster Management ( <b>40</b> )	3-1-0-4	Jofin George + Shubham Singhal
		CS7.602	Topics in Deep Learning ( <b>50</b> )	3-1-0-4	Charu Sharma
		CS9.314	Remote Sensing	3-1-0-4	RC Prasad
		CS9.430	Cognitive Neuroscience ( <b>Max:80</b> )	3-1-0-4	Bhaktee Dongaonkar
		CL3.407	Neural Natural Language Generation ( <b>H1</b> )	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 ( <b>Max:30</b> ) ( <b>Open Elective</b> )	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 <b>(Max:20)</b>	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
<b>Math Electives (Random selection) Maximum no. of students for the following courses is: 50 each</b>					
		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
<b>Science Electives (Random selection) Max. no of students for each course is given in the brackets</b>					
		SC1.420	Introduction to Particle Physics <b>(40)</b>	3-1-0-4	Subhadip Mitra
		SC4.411	Machine Learning for Natural Sciences <b>(10)</b>	3-1-0-4	Prabhakar B + Vinod PK
		SC2.301	Physics of Soft Condensed Matter <b>(40)</b>	3-1-0-4	Marimuthu Krishnan
		SC2.316	Molecular Modeling and Simulations <b>(50)</b>	3-1-0-4	Deva Priyakumar + Marimuthu Krishnan
		SC1.440	Dynamical Processes in Complex Networks <b>(40)</b>	3-1-0-4	Chittaranjan Hens
		SC3.316	Mathematical Methods in Biology <b>(40)</b>	3-1-0-4	Abhishek Deshpande
		SC3.410	NGS Data Analysis <b>(40)</b>	3-1-0-4	Nita Parekh
		SC1.308	The Universe Across Scales <b>(150)</b>	3-1-0-4	Subhadip Mitra+Chittaranjan Hens+Diganta Das
<b>Humanities Electives for UG3 and UG4 (Random selection) Max. no of students for each course is 40</b>					
		HS5.201	Growth and Development <b>(40)</b>	3-1-0-4	Anirban Dasgupta
		HS4.302	Internet and Democracy <b>(40)</b>	3-1-0-4	Aakansha Natani
		HS0.204	Introduction to Philosophy of Technology <b>(40)</b>	3-1-0-4	Ashwin Jayanti
		HS3.305	Migrants and Migrations in Modern South Asia <b>(40)</b>	3-1-0-4	Isha Dubey
		HS1.302	Readings in Russian Literature: The Nineteenth Century <b>(40)</b>	3-1-0-4	Nazia Akhtar
		HS7.301	Science, Technology and Society <b>(15)</b>	3-1-0-4	Radhika Krishnan
		HS1.301	Critical Viewing and Reading <b>(40)</b>	3-1-0-4	Sushmita Banerjee
		HS1.210	Music Workshop <b>(30)</b>	3-1-0-4	TK Saroja
		HS8.202	Gender, Culture and Representation <b>(40)</b>	3-1-0-4	Subha Chakraborty
		HS8.303	Environmental & Social Governance in Mineral Extraction <b>(40)</b>	3-1-0-4	Radhika Krishnan

Date: 2.11.2023

Sd/-  
Dean (Academics)