

<b>Classroom/Lab Location Chart</b>		
<b>Classrooms</b>		
<b>Room No.</b>	<b>Building</b>	<b>Floor</b>
C01, C02, C03	Old Academic Building	Ground Floor
C11, C12, C13	Old Academic Building	First Floor
C21, C22, C23, C24	Old Academic Building	Second Floor
A006, A007	R&D Block	Ground Floor
A106, B105	R&D Block	First Floor
C101, C102	Lecture Hall Complex	First Floor
C201, C208, C209, C210, C211, C212, C213, C214, C215, C216	Lecture Hall Complex	Second Floor
<b>Labs</b>		
301-306	Lecture Hall Complex	Third Floor
315-321	Lecture Hall Complex	Third Floor

**Course Offering Winter 2019 Semester**

S.No.	Course Code	Course Name	Instructor	Credits	On Offer for	Also Open for	Anti-Requisite
<b>Ist Year Courses</b>							
1	CSE102	Data Structures & Algorithms	Rahul Purandare+Arun Balaji	4	UG Ist Year All Programs		
2	ECE113	Basic Electronics	Vivek Bohara + Sanat Biswas	4	CSE+CSAM+ECE		
3	MTH201	Probability & statistics	Angshul Majumdar + Sanjit kaul	4	UG Ist Year All Programs		
4	DES130	Introduction to Engineering Design	Aman Parnami	4	UG Ist Year All Programs		
5	SSH101	Critical Thinking and Readings in Social Sciences	Aasim Khan	4	CSSS		
6	ECO101	Microeconomics	Gaurav Arora	4	CSSS	Rest Students	Intro to Economic Analysis
7	DES101	Design Drawing and Visualization	Gupta(V)	4	CSD		
8	BIO1xx	Foundations of Biology	Ganesh Bagler	4	CSB		
9	PSY301	Cognitive Psychology	Venkata Ratandeeep Suri	4	Elective for all branches except CSSS+CSSS 2nd Year	Rest Students	Introduction to Cognitive Psychology
10	SOC207	Information Technology and Society(New)	Amrit Srinivasan(V)	4	Elective for all branches except CSSS	Rest Students	HSS212/SSH101
11	SSH124	Critical Thinking	Raj Ayyar (V)	4	Elective for all branches except CSSS	Rest Students	SSH101-CTRSS
12	SSH214	Introdcuton to Study of Literature	Honey Jhalani(G)	4	Elective for all branches except CSSS	Rest Students	
13	SSH221	Social and Political Philosophy	Shweta Singh(G)	4	Elective for all branches except CSSS		
14	SSH321	Applied Ethics (New)	Manohar Kumar	4	Elective for all branches except CSSS	CSSS 2nd Year LACH Elective +	
<b>II nd Year Courses</b>							
15	BIO213	Introduction to Quantitative Biology	Sriram K	4	CSE+ECE Sci/Bio Elective+CSAM, CSSS Elective		
16	CSE231	Operating Systems	Piyus Kedia	4	CSE+CSD		
17	CSE202	Fundamentals of Database Systems	Vikram Goyal	4	CSE+CSD+CSSS	CSAM 3rd year	
18	ECE230	Fields and Waves	Shobha Sundaram	4	ECE		
19	ECE214	Integrated Electronics	Sujay Deb	4	ECE		
20	CSE222	Algorithm Design & Analysis	Debarka Sengupta	4	CSE+CSAM		
21	CSE2xx	Algorith Design & Analysis(B)	Syamantak Das	4	CSD+CSSS		
22	ECE240	Principles of Communication Systems	Anand Srivastava	4	ECE+CSE Sci/Bio Elective+CSSS Elective		
23	ECO312	Industrial Organization(New)	Kiriti Kanjilal	4	CSSS LACH Elective+CSD SSH Elective	Rest Students	
24	CSE322	Theory of Computation	Debajyoti Bera	4	CSAM+CSE ToC/Math Elective+CSSS Elective	Rest Students	
25	DES204	Human Computer Interaction(New)	Pushpendra Singh	4	CSD		
26	MTH300	Introduction to Mathematical logic	Sankha Basu	4	ECE Sci/Bio Elective+CSAM Elective	Rest Students	
27	MTH204	Maths IV - ODE/PDE	Sarthok Sircar	4	CSAM+ECE+CSE ToC/Math Elective+CSD Elective		
28	MTH212	Abstract Algebra I	Sneha Chaubey	4	CSAM		MTH302(Algebra)
29	MTH310	Graph Theory	Samaresh Chatterji(V)	4	CSE Toc/Math Elective+CSAM, CSSS Elective	Rest Students	
30	MTH311	Combinatorics and its Applications	Samrith Ram	4	CSE Toc/Math Elective+CSAM, CSSS Elective	Rest Students	
31	SOC208	Organizations: An Anthropological Perspective(New)	Shriram Venktraman	4	CSD SSH Elective	Rest Students	
<b>Electives</b>							
32	BIO531	Introdcuton to Mathematical Biology	Sriram K	4	UG/PG, M.Tech(CB) Core		BIO303/BIO503
33	BIO543	Big Datamining in Healthcare	G P S Raghava	4	UG/PG		
34	BIO541	Data Sciences for Genomics	Vibhor Kumar	4	UG/PG		
35	BIO571	Network Science	Ganesh Bagler	4	UG/PG		
36	CSE342/CSE542	Statistical Machine Learning	Richa Singh	4	UG/PG		Pattern Recognition
37	CSE344/CSE544/ ECE344/ECE544	Computer Vision	Mayank Vatsa	4	UG/PG		
38	CSE502	Foundations of Parallel Programming	Vivek Kumar	4	UG/PG		
39	CSE508	Information Retrieval	Tanmoy Chakraborty	4	UG/PG		
40	CSE5xx	Big Data Analytics	Vikram Goyal	4	UG/PG		
41	CSE560	GPU Computing	Ojaswa Sharma	4	UG/PG		
42	CSE641	Deep Learning	Saket Anand	4	UG/PG		
43	CSE538/ECE538	Wireless Networks	Mukulika Maity	4	UG/PG		
44	CSE5xx	Networks and Systems Security(New)	Sambuddho Chakravarty	4	UG/PG		
45	CSE5xx	Systems Analysis, Design and Requirements Engineering(New)	Rahul Mohanani	4	UG/PG		

46	CSE5SR	Social Robotics(New)	Jainendra Shukla	2	UG/PG		
47	CSE523	Randomized Algorithms	Rajiv Raman	4	UG/PG		
48	CSE563	Multimedia Computing and Applications	Rajiv Rathn Shah	4	UG/PG		
49	CSE570	Virtual Reality	Ojaswa Sharma	4	UG/PG		
50	CSE606	Data Warehousing	Naveen Prakash(V)	4	UG/PG		
51	CSE632	Semantic Web	Raghava Mutharaju	4	UG/PG		
52	CSE636/ECE636	Communication Networks	Sanjit Kaul	4	UG/PG		
53	CSE694F/ECE651	Multimedia Security	A V Subramanyam	4	UG/PG		
54	CSE793A	Topics in Cryptanalysis	Donghoon Chang	4	UG/PG		
55	DES302	Animation & Graphics	Manohar Khushalani (V)	4	UG		
56	DES512	Game Design and Development	Timothy Scott Moyers Jr	4	UG/PG		
57	DES517	Introduction to Epidemiology(New)	Drishti Sharma(V)	4	UG/PG		
58	DES518	Introduction to Motion Graphics(New)	Anoop Ratn(V)	4	UG/PG		
59	ECE343	Mobile Communication	Abhijit Mitra(V)	4	UG		
60	ECE318/ECE518	Solid State devices	G.S. Visweswaran(V)	4	UG/PG		
61	ECE432/ECE632	Radar Systems	Shobha Sundaram	4	UG/PG		
62	ECE452/ECE552	Statistical Signal Processing	Pravesh Biyani	4	UG/PG		
63	ECE510	Digital Hardware Design	Sumit Darak	4	UG/PG		
64	ECE517	Introduction to Nanoelectronics	Sneh Saurabh	4	UG/PG		
65	ECE534	Optical Communication Systems	Anand Srivastava	4	UG/PG		
66	ECE539	Wireless System Implementation	Vivek Bohara	4	UG/PG		
67	ECE573	Advanced Embedded Logic Design	Sumit Mediratta(V)	4	UG/PG		
68	ECE611	Memory Design and Testing	Anuj Grover(G)4	4	UG/PG		
69	ECE612	Mixed Signal Design	G.S. Visweswaran(V)	4	UG/PG		
70	ECE5xx	Machine Learning Techniques for Real-time Control(New)	Sayan Basu Roy	4	UG/PG		
71	ECE5xx	Transform Learning and Applications(New)	Anubha Gupta	4	UG/PG		Wavelet Transform and Applications
72	ECE5xx	Speech Recognition and Understanding(New)	Saket Anand	4	UG/PG		
73	ECE5xx	Modelling and Analysis of 5G Netowrks(New)	Gourab Ghatak	4	UG/PG		
74	ECO313	Market Design	Rakesh Chaturvedi	4	UG		
75	ECO332	Valuation and Portfolio Management	Pankaj Vajpayee(V)	4	UG		FIN402-Valuation and Portfolio Management
76	ENG599s	Research Methods	Angshul Majumdar	2	PG		
77	MGT3xx	Emerging Issues in IT Management	Sanjiva Dubey(G)	4	UG		
78	MTH343/MTH543	Introduction to Dynamical Systems (New)	Shilpak Banerjee	4	UG/PG		
79	MTH372	Statistical Inference(New)	Monika Arora	4	CSAM Core		Statistical Signal Proocessing, Statistical Computation, Econometrics
80	MTH374/MTH574	Linear Optimization	Pravesh Biyani	4	CSAM Core+UG/PG		MTH305/MTH505-Linear Optimization
81	MTH513	Abstract Algebra-II (New)	Anuradha Sharma	4	UG/PG		
82	MTH542	Introduction to Functional Analysis	Ashish Kumar Pandey	4	UG/PG		
83	MTH598	Numerical Partial Differential Equations	Kaushik Kalyanaraman	4	UG/PG		MTH570-Numerical Solutions in Differential Equations
84	MTH571	Integral Transforms and their applications (New)	Sarthok Sircar	4	UG/PG		
85	PSY202	Positive Psychology	Akshay Kumar(G)	4	UG		
86	SSH217	Indian Poetry through Ages	Saumya Kulshreshtha(G)	2	UG		
<b>Online Courses</b>							
<b>S.No.</b>	<b>Coruse Nos for ERP</b>	<b>Course Name</b>	<b>Course Instructor</b>	<b>Credits</b>	<b>Link to the course portal</b>	<b>Duration</b>	<b>Platform</b>
1	CSE999A	Formal Software Verification	Sumit Darak	2	<a href="https://www.edx.org/course/formal-software-verification-2">https://www.edx.org/course/formal-software-verification-2</a>	13th March (8 weeks)	edX
2	CSE999A2	Blockchain Architecture and Use Cases		2	<a href="https://onlinecourses.nptel.ac.in/noc19_cs26/preview">https://onlinecourses.nptel.ac.in/noc19_cs26/preview</a>	28 Jan - 19 Apr	NPTEL
3	ECE999A	An Introduction to Coding Theory		2	<a href="https://onlinecourses.nptel.ac.in/noc17_ee07/preview">https://onlinecourses.nptel.ac.in/noc17_ee07/preview</a>	Jan 28 - Mar 22	NPTEL

## B.Tech 1st Year(CSE+ECE) - Sec A- Winter Semester 2019

Day	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-01	01-01.30	01.30-02	02-02.30	02.30-03	03-03.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6					
Mon				IED ~ A106,B105			Tut BE ~ C03,C13,C22,C23,C24, C214,C215,C216		L U N C H						Tut DSA Gp 1/2/3/4/5/6 ~ C02,C03,C13,C22,C23,C24		CT ~ A106 ITS ~ C21 SPP ~ A006 CP ~ A007						
Tue		DSA ~ C101		BE[ECE students will attend BE with Sec B) ~ C101		P&S ~ C101										Lab IED Gp 7/8 ~ 302				Lab IED Gp 1/2/3/4/5/6 ~ 302,303,305		Lit ~ A106 AE ~ C21	
Wed				IED ~ A106,B105																		CT ~ A106 ITS ~ C21 SPP ~ A006 CP ~ A007	
Thurs		DSA ~ C101		P&S ~ C101		BE[ECE students will attend BE with Sec B) ~ C101														Lab DSA Gp 1/2/3/4/5/6 ~ 317,320,321		Seminar	
Fri		DSA ~ C101		BE[ECE students will attend BE with Sec B) ~ C101		P&S ~ C101														Lab BE Gp 7/8 ~ 303		Lit ~ A106 AE ~ C21	
Day	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-01	01-01.30	01.30-02	02-02.30	02.30-03	03-03.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6					

*Duration of the Lectures will be 50 mins and 80 mins*

Core/ Elective	Course	Course Name	Instructor	Credit	Acronym
Core	CSE102	Data Structure & Algorithms	Arun Balaji	4	DSA
Core	MTH201	Probability & Statistics	Angshul Majumdar	4	P&S
Core	DES130	Introduction to Engineering Design	Aman Parnami	4	IED
Core	ECE113	Basic Electronics	Vivek Bohara	4	BE
SSH Elective	PSY301	Cognitive Psychology	Venkat Ratandeeep Suri	4	CP
SSH Elective	SOC207	Information Technology and Society(New)	Amrit Srinivasan	4	ITS
SSH Elective	SSH124	Critical Thinking	Raj Ayyar (V)	4	CT
SSH Elective	SSH214	Introduction to Study of Literature	Honey Jhalani(G)	4	Lit
SSH Elective	SSH221	Social and Political Philosophy	Shweta Singh(G)	4	SPP
SSH Elective	SSH321	Applied Ethics(New)	Manohar Kumar	4	AE

## B.Tech 1st Year(CSAM+CSB+CSSS+CSD) - Sec B- Winter Semester 2019

Day	8-8.30	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-01	01-01.30	01.30-02	02-02.30	02.30-03	03-03.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6
Mon		IED ~ A106,B105			DSA ~ C102		CTRSS ~ C210		L U N C H			Lab BE Gp 1/2 ~ 303,305			CT ~ A106 ITS ~ C21 SPP ~ A006 CP ~ A007				
Tue	P&S ~ C102			DDV ~ A106 FOB ~ C212 BE ~ C102		Tut BE-Gp 1/2 ~ C02,C12		DDV Practice Session ~ A106				Tut P&S All Groups ~ C13,C22,C23,C24,C213,C214,C215,C216			Lit ~ A106 AE ~ C21				
Wed	IED ~ A106,B105			DSA ~ C102		CTRSS ~ C210,C214		FOB ~ C212				Lab IED Gp 1/2/3/4/5/6 ~ 302/303/305			CT ~ A106 ITS ~ C21 SPP ~ A006 CP ~ A007				
Thu		P&S ~ C102		DSA ~ C102		BE ~ C102		Tut DSA Gp 1/2/3/4/5/6 ~ C215,C216,C13,C22,C23,C24				Seminar							
FRI	P&S ~ C102			DDV ~ A106 FOB ~ C212 BE ~ C102		DDV Practice Session ~ A106		Lab DSA Gp 1/2/3/4/5/6/7/8 ~ 317,320,321,C210				Lit ~ A106 AE ~ C21							
Day	8-8.30	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-01	01-01.30	01.30-02	02-02.30	02.30-03	03-03.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6

*Duration of the Lectures will be 50 mins and 80 mins*

	Core/ Elective	Course	Course Name	Instructor	Credit	Acronym
	Core for All	CSE102	Data Structure & Algorithms	Rahul Purandare	4	DSA
	Core for All	MTH201	Probability & Statistics	Sanjit Kaul	4	P&S
	Core for All	DES130	Introduction to Engineering Design	Aman Parnami	4	IED
	Core for CSAM	ECE113	Basic Electronics	Sanat K Biswas	4	BE
	Core for CSD	DES101	Design Drawing and Visualisation	Indrani De Parker(V)+ Vibha Narula Gupta(V)	4	DDV
	Core for CSB	BIO1xx	Foundations of Biology	Ganesh Bagler	4	FOB
	Core for CSSS	ECO101	Microeconomics	Gaurav Arora	4	ME
	Core for CSSS	SSH101	Critical Thinking and Readings in Social Sciences	Aasim Khan	4	CTRSS
	SSH Elective	PSY301	Cognitive Psychology	Venkat Ratandeep Suri	4	CP
Not for CSSS	SSH Elective	SOC207	Information Technology and Society(New)	Amrit Srinivasan	4	ITS
Not for CSSS	SSH Elective	SSH124	Critical Thinking	Raj Ayyar (V)	4	CT
Not for CSSS	SSH Elective	SSH214	Introduction to Study of Literature	Honey Jhalani(G)	4	Lit
Not for CSSS	SSH Elective	SSH221	Social and Political Philosophy	Shweta Singh(G)	4	SPP
Not for CSSS	SSH Elective	SSH321	Applied Ethics(New)	Manohar Kumar	4	AE

## B.Tech 2nd Year (CSE) - Winter Semester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30
Mon				DBMS ~ C101			OS ~ C102						PCS ~ C21			CIA ~ C211 GT ~ C11				
Tue		Tut IML ~ C03,C13,C22,C23		ADA ~ C01			M-IV ~ C102						TOC ~ C01			IML ~ C11 IQB ~ C01				
Wed			Tut GT ~ C03,C23,C22	DBMS ~ C101			OS ~ C102													
Thurs				ADA ~ C01			Lab ADA Gp 1/2/3/4 ~ 320,321									PCS ~ C21				
Fri				Tut DBMS Gp: 1/2/3/4 ~ C03,C13,C22,C23			M-IV ~ C102									TOC ~ C01				
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30

*Duration of the Lectures will be 50 mins and 80 mins*

Core/ Elective	Course Code	Course Name	Instructor	Credits	Acronym
Core	CSE202	Fundamentals of Database Management Systems	Vikram Goyal	4	DBMS
Core	CSE231	Operating Systems	Piyus Kedia	4	OS
Core	CSE222	Analysis and Design of Algorithms	Debaraka Sengupta	4	ADA
ToC/Math Elective	MTH310	Graph Theory	Samaresh Chatterji(V)	4	GT
ToC/Math Elective	MTH204	Maths IV	Sarthok Sircar	4	M-IV
ToC/Math Elective	MTH311	Combinatorics and its Applications	Samrith Ram	4	CIA
ToC/Math Elective	CSE322	Theory of Computation	Debajyoti Bera	4	ToC
ToC/Math Elective	MTH300	Introduction to Mathematical Logic	Sankha Basu	4	IML
Sci/Bio Elective	ECE240	Principles of Communication Systems	Anand Srivastava	4	PCS
Sci/Bio Elective	BIO213	Introduction to Quantitative Biology	Sriram K	4	IQB

**Note:** Students are required to take all core courses and one TOC/Maths Elective and one Sci/Bio Elective or two TOC/Maths Elective

## B.Tech 2nd Year (ECE) - Winter Semester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30
Mon					IE ~ C21			Tut IE Gp1/2 ~ C213,LR1		L U N C H			PCS ~ C21			CIA ~ C211 GT ~ C11		
Tue	Tut IML ~ C03,C13,C22,C23		F&W ~ C21			M-IV ~ C102							IML ~ C11 IQB ~ C01					
Wed	Tut GT ~ C03,C23,C22		IE ~ C21				Tut F&W Gp 1/2 ~ C215,C216						CIA ~ C211 GT ~ C11					
Thurs	Lab IE Gp 1/2 ~ 303,305												PCS ~ C21			Seminar		
Fri				F&W ~ C21			M-IV ~ C102						Tut PCS Gp 1/2 ~ C215,C216		IML ~ C11 IQB ~ C01			
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30

*Duration of the Lectures will be 50 mins and 80 mins*

Core/ Elective	Course Code	Course Title	Instructor	Credits	Accronym
Core	ECE230	Fields and Waves	Shobha Sundaram	4	F&W
Core	ECE214	Integrated Electronics	Sujay Deb	4	IE
Core	ECE240	Principles of Communication Systems	Anand Srivastava	4	PCS
Core	MTH204	Math IV (Differential Equations)	Sarthok Sircar	4	M-IV
Sci/Bio Elective	BIO213	Introduction to Quantitative Biology	Subhadip Raichaudhuri	4	IQB
Sci/Bio Elective	MTH300	Introdcution to Mathematical Logic	Sankha Basu	4	IML
Sci/Bio Elective	MTH310	Graph Theory	Samarehs Chatterji(V)	4	GT
Sci/Bio Elective	MTH311	Combinatorics and its Applications	Samrith Ram	4	CIA

**Note:** Students are required to take all core courses, one Sci/Bio Elective

## B.Tech 2nd Year (CSD) - Winter Semester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6	
Mon				DBMS ~ C101			OS ~ C102					Lab ALD Gp: 1/2 ~ C212,C214				CT ~ A106 ITS ~ C21 Ppsy ~ C01 OAP ~ B105				
Tue	HCI ~ C212			ALD ~ C11			M-IV ~ C102										Lit ~ A106 AE ~ C21			
							Tut OS Gp 1 ~ A007			Tut OS Gp 2 ~ A007							IPA ~ C02			
Wed				DBMS ~ C101			OS ~ C102					Tut M-IV ~ C214,C215,C216					CT ~ A106 ITS ~ C21 Ppsy ~ C01 OAP ~ B105			
Thurs				ALD ~ C11			Tut ALD Gp: 1/2 ~ C03,C13										Seminar			
Fri	HCI ~ C212			Tut DBMS Gp 1/2 ~ C209,C210			M-IV ~ C102										Lit ~ A106 AE ~ C21			
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	05-5.30	5.30-6	

*Duration of the Lectures will be 50 mins and 80 mins*

Mandatory/ Elective	Course Code	Course Name	Instructor	Crredits	Acronym
Core	CSE2xx	Analysis and Design of Algorithms(B)(New)	Syamantak Das	4	ALD
Core	CSE231	Operating Systems	Piyus Kedia	4	OS
Core	CSE202	Fundamentals of Database Management Systems	Vikram Goyal	4	DBMS
Core	DES304	Human Computer Interaction(New)	Pushpendra Singh	4	HCI
Elective	MTH204	Maths IV	Sarthok Sircar	4	M-IV
Elective	PSY202	Positive Psychology	Akshay Kumar(G)	4	Ppsy
Elective	SOC207	Information Technology and Society(New)	Amrit Srinivasan(V)	4	ITS
Elective	SOC208	Organizations: An Anthropological Perspective(New)	Sriram Venkatraman	4	OAP
Elective	SSH124	Critical Thinking	Raj Ayyar(V)	4	CT
Elective	SSH214	Introdction to Study of Literature	Honey Jhalani(G)	4	Lit
Elective	SSH217	Indian Poetry through Ages	Saumya Kulshreshtha(G)	2	IPA
Elective	SSH321	Applied Ethics(New)	Manohar Kumar	4	AE

**Note:** Students are required to take all core courses and one Elective



## B.Tech 2nd Year (CSAM) - Winter Semester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30	
Mon	Tut AA-I ~ C11						AA-I ~ A006			L U N C H			Tut ADA Gp 1/2 ~ C215,C216			CIA ~ C211 GT ~ C11					
Tue	Tut IML ~ C03,C13,C22,C23			ADA ~ C01			M-IV ~ C102						TOC ~ C01			IML ~ C11 IQB ~ C01					
Wed	Tut GT ~ C03,C23,C22						Lab ADA Gp: 1/2 ~ 320						Tut M-IV ~ C11,C21			CIA ~ C211 GT ~ C11					
Thurs				ADA ~ C01			AA-I ~ A006									Seminar			Tut TOC ~ C11		
Fri							M-IV ~ C102						TOC ~ C01			IML ~ C11 IQB ~ C01					
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30	

*Duration of the Lectures will be 50 mins and 80 mins*

Core/ Elective	Course Code	Course Title	Instructor	Credit	Acronym
Core	CSE222	Analysis and Design of Algorithms	Debarka Sengupta	4	ADA
Core	CSE322	Theory of Computation	Debajyoti Bera	4	TOC
Core	MTH212	Abstract Algebra I	Sneha Chaubey	4	AA-I
Core	MTH204	Math IV	Sarthok Sircar	4	MIV
Elective	MTH310	Graph Theory	Samaresh Chaterji(V)	4	GT
Elective	MTH311	Combinatorics and its Applications	Samrith Ram	4	CIA
Elective	MTH300	Introduction to Mathematical Logic	Sankha Basu	4	IML
Elective	BIO213	Introduction to Quantitative Biology	Sriram K	4	IQB

**Note:** Students are required to take all core courses, one Elective

## B.Tech 2nd Year (CSSS) - WinterSemester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30
Mon				DBMS ~ C101									PCS ~ C21			CIA ~ C211 GT ~ C11 SPP ~ A006 CP ~ A007				
Tue		Tut IML ~ C03,C13,C22,C23		ALD ~ C11		Tut ALD Gp: 1/2 ~ C24,LR1							TOC ~ C01			IML ~ C11 IQB ~ C01 AE ~ C21 Tut-PCS ~ C213				
Wed			Tut GT ~ C03,C23,C22	DBMS ~ C101		IO ~ C02							Lab ALD Gp: 1/2 ~ A006,A007			CIA ~ C211 GT ~ C11 SPP ~ A006 CP ~ A007				
Thurs				ALD ~ C11									PCS ~ C21			Seminar				Tut TOC ~ C11
Fri				Tut DBMS ~ C213,C215		IO ~ C02							TOC ~ C01			IML ~ C11 IQB ~ C01 AE ~ C21				
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5.30-6	6-6.30

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*Duration of the Lectures will be 50 mins and 80 mins*

Mandatory/ Elective	Course Code	Course Name	Instructor	Crredits	Accronym
Core	CSE2xx	Analysis and Design of Algorithms(B)(New)	Syamantak Das	4	ALD
Core	CSE202	Fundamentals of Database Management Systems	Vikram Goyal	4	DBMS
SSH Elective	ECO312	Industrial Oragnization(New)	Kiriti Kanjilal	4	IO
LACH Elective	SSH221	Social and Political Philosophy	Shweta Singh(G)	4	SPP
LACH Elective	SSH321	Applied Ethics(New)	Manohar Kumar	4	AE
SSH Elective	PSY301	Cognitive Psychology	Venkat Ratandeeep Suri	4	CP
Elective	MTH300	Introdcution to Mathematical Logic	Sankha Basu	4	IML
Elective	MTH310	Graph Theory	Samaresh Chatterji(V)	4	GT
Elective	MTH311	Combinotorics and its Applications	Samrith Ram	4	CIA
Elective	CSE322	Theory of Computation	Debajyoti Bera	4	ToC
Elective	ECE240	Principles of Communication Systems	Anand Srivastava	4	PCS
Elective	BIO213	Introdcution to Quantitative Biology	Sriram K	4	IQB

**Note:** Students are required to take all core courses, one each from LACH Elective, SSH Elective and Rest Elective courses

## B.Tech 3rd & 4th Year, M.Tech 1st & 2nd year, Ph.D - Winter Semester 2019

Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1	1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5:30-6	6-6:30					
Mon		Tut CIA ~ C212		DSG ~ C22 RA ~ C211 INE ~ A006 TLA ~ C13 FPP ~ A007 DW ~ C210			VR ~ C208 MSD ~ C209 SSP ~ C212 IMG ~ A007,317 SML ~ C01			L U N C H			GPU ~ C210 MS ~ C211 WSI ~ C208 LO ~ C11 IFA ~ C213 SADRE ~ C209			CT ~ A106 ITS ~ C21 MD ~ C22 Ppsy ~ C01 CIA ~ C211 GT ~ C11 OAP ~ B105 BDA ~ C210 CP ~ A007									
		Tut IML ~ C03,C13,C22,C23		DL ~ A006 TC ~ C208 GDD ~ 317 AA-II ~ C211 AELD ~ A007 ME ~ B105 NPDE ~ C214		IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SSD ~ C213 SR ~ C22			NS ~ C208 MCA ~ A006 RS ~ A007 IR ~ C11 TOC ~ C01 MAN ~ C209					SRU ~ C208 AE ~ C21 Lit ~ A106 CN ~ C216 NSS ~ A006 IML ~ C11 EITM ~ C12 ITA ~ C03		IPA ~ C02									
Tue		Tut GT ~ C03,C23,C22		DSG ~ C22 RA ~ C211 INE ~ A006 TLA ~ C13 FPP ~ A007 DW ~ C210			BDMH ~ C01 MC ~ C211 MLRC ~ C22 MDT ~ A007 A&G ~ 317/C12 WN ~ A006 VPM ~ C213 IO ~ C02 IDS ~ C24						L U N C H			Faculty Meeting			CT ~ A106 ITS ~ C21 MD ~ C22 Ppsy ~ C01 CIA ~ C211 GT ~ C11 OAP ~ B105 RM ~ C101 BDA ~ C210 CP ~ A007						
		Lab FPP ~ 317,320		IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SR ~ C22		VR ~ C208 MSD ~ C209 SSP ~ C212 IMG ~ A007 SML ~ C01			GPU ~ C210 MS ~ C211 WSI ~ C208 LO ~ C11 IFA ~ C213 SADRE ~ C209								SEMINAR ~ C21								
Wed				DL ~ A006 TC ~ C208 GDD ~ 317 AA-II ~ C211 AELD ~ A007 ME ~ B105 NPDE ~ C214			BDMH ~ C01 MC ~ C211 MLRC ~ C22 MDT ~ A007 A&G ~ 317/C12 WN ~ A006 VPM ~ C213 IO ~ C02 IDS ~ C24									L U N C H			Lab NSS ~ 317,321			CT ~ A106 ITS ~ C21 MD ~ C22 Ppsy ~ C01 CIA ~ C211 GT ~ C11 OAP ~ B105 RM ~ C101 BDA ~ C210 CP ~ A007			
				IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SR ~ C22		VR ~ C208 MSD ~ C209 SSP ~ C212 IMG ~ A007 SML ~ C01			GPU ~ C210 MS ~ C211 WSI ~ C208 LO ~ C11 IFA ~ C213 SADRE ~ C209		Tut TOC ~ C11														
Thurs				DL ~ A006 TC ~ C208 GDD ~ 317 AA-II ~ C211 AELD ~ A007 ME ~ B105 NPDE ~ C214			BDMH ~ C01 MC ~ C211 MLRC ~ C22 MDT ~ A007 A&G ~ 317/C12 WN ~ A006 VPM ~ C213 IO ~ C02 IDS ~ C24			L U N C H												SRU ~ C208 AE ~ C21 Lit ~ A106 CN ~ C216 NSS ~ A006 IML ~ C11 DHD ~ C213 EITM ~ C12 ITA ~ C03			
				IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SR ~ C22		VR ~ C208 MSD ~ C209 SSP ~ C212 IMG ~ A007 SML ~ C01			NS ~ C208 MCA ~ A006 RS ~ A007 IR ~ C11 TOC ~ C01 MAN ~ C209																
Fri				IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SR ~ C22			BDMH ~ C01 MC ~ C211 MLRC ~ C22 MDT ~ A007 A&G ~ 317/C12 WN ~ A006 VPM ~ C213 IO ~ C02 IDS ~ C24						L U N C H									SRU ~ C208 AE ~ C21 Lit ~ A106 CN ~ C216 NSS ~ A006 IML ~ C11 DHD ~ C213 EITM ~ C12 ITA ~ C03			
				IMB ~ C211 CV ~ A006 Sweb ~ C21 IEP ~ B105 SI ~ C215 OCS ~ C212 SR ~ C22		VR ~ C208 MSD ~ C209 SSP ~ C212 IMG ~ A007 SML ~ C01			NS ~ C208 MCA ~ A006 RS ~ A007 IR ~ C11 TOC ~ C01 MAN ~ C209																
Day	8.30-9	9-9.30	9.30-10	10-10.30	10.30-11	11-11.30	11.30-12	12-12.30	12.30-1							1-1.30	1.30-2	2-2.30	2.30-3	3-3.30	3.30-4	4-4.30	4.30-5	5-5.30	5:30-6

Duration of the Lectures will be 50 mins and 80 mins

Course Code	Course Name	Instructor	Credits	Accronym
BIO531	Introdction to Mathematical Biology	Sriram K	4	IMB

BIO543	Big Datamining in Healthcare	G P S Raghava	4	BDMH
BIO541	Data Sciencnes for Genomics	Vibhor Kumar	4	DSG
BIO571	Network Science	Ganesh Bagler	4	NS
CSE322	Theory of Computation	Debajyoti Bera	4	TOC
CSE342/CSE542	Statistical Machine Learning	Richa Singh	4	SML
CSE344/CSE544/ ECE344/ECE544	Computer Vision	Mayank Vatsa	4	CV
CSE502	Foundations of Parallel Programming	Vivek Kumar	4	FPP
CSE508	Information Retrieval	Tanmoy Chakraborty	4	IR
CSE5xx	Big Data Analytics	Vikram Goyal	4	BDA
CSE560	GPU Computing	Ojaswa Sharma	4	GPU
CSE641	Deep Learning	Saket Anand	4	DL
CSE538/ECE538	Wireless Networks	Mukulika Maity	4	WN
CSEXXX	Networks and Systems Security(New)	Sambuddho Chakravarty	4	NSS
CSE5xx	System Analysis, Design and Requirements Engineering(New)	Rahul Mohanani	4	SADRE
CSE5SR	Social Robotics(New)	Jainendra Shukla	2	SR
CSE523	Randomized Algorithms	Rajiv Raman	4	RA
CSE563	Multimedia Computing and Applications	Rajiv Rathn Shah	4	MCA
CSE570	Virtual Reality	Ojaswa Sharma	4	VR
CSE606	Data Warehousing	Naveen Prakash(V)	4	DW
CSE632	Semantic Web	Raghava Mutharaju	4	Sweb
CSE636/ECE636	Communication Networks	Sanjit Kaul	4	CN
CSE694F/ECE651	Multimedia Security	A V Subramanyam	4	MS
CSE793A	Topics in Cryptanalysis	Donghoon Chang	4	TC
DES302	Animation & Graphics	Manohar Khushalani (V)	4	A&G
DES512	Game Design and Development	Timothy Scott Moyers Jr	4	GDD
DES517	Introduction to Epidemiology(New)	Drishti Sharma(V)	4	IEP
DES518	Introduction to Motion Graphics(New)	Anoop Ratn(V)	4	IMG
ECE343	Mobile Communication	Abhijit Mitra(V)	4	MC
ECE318/ECE518	Solid State devices	G.S. Visweswaran(V)	4	SSD
ECE432/ECE632	Radar Systems	Shobha Sundaram	4	RS
ECE452/ECE552	Statistical Signal Processing	Pravesh Biyani	4	SSP
ECE510	Digital Hardware Design	Sumit Darak	4	DHD
ECE517	Introduction to Nanoelectronics	Sneh Saurabh	4	INE
ECE534	Optical Communication Systems	Anand Srivastava	4	OCS
ECE539	Wireless System Implementation	Vivek Bohara	4	WSI
ECE573	Advanced Embedded Logic Design	Sumit Mediratta(V)	4	AELD
ECE611	Memory Design and Testing	Anuj Grover(G)	4	MDT
ECE612	Mixed Signal Design	G.S. Visweswaran(V)	4	MSD
ECE5xx	Machine Learning Techniques for Real-time Control(New)	Sayan Basu Roy	4	MLRC
ECE5xx	Transform Learning and Applications(New)	Anubha Gupta	4	TLA
ECE5xx	Speech Recognition and Understanding(New)	Saket Anand	4	SRU
ECE5xx	Modelling and Analysis of 5G Netowrks(New)	Gourab Ghatak	4	MAN
ECO312	Industrial Organization(New)	Kiriti Kanjilal	4	IO
ECO313	Market Design	Rakesh Chathurvedi	4	MD
ECO332	Valuation and Portfolio Management	Pankaj Vajpayee(V)	4	VPM
ENG599s	Research Methods	Angshul Majumdar	2	RM
PSY202	Positive Psychology	Akshay Kumar(G)	4	Ppsy

PSY301	Cognitive Psychology	Venkata Ratandeeep Suri	4	CP
MGT3xx	Emerging Issues in IT Management(New)	Sanjiva Dubey(G)	4	EITM
MTH3xx	Introduction to Mathematical logic	Sankha Basu	4	IML
MTH310	Graph Theory	Samaresh Chatterji(V)	4	GT
MTH311	Combinatorics and its Applications	Samrith Ram	4	CIA
MTH343/MTH543	Introduction to Dynamical Systems (New)	Shilpak Banerjee	4	IDS
MTH372	Statistical Inference(New)	Monika Arora	4	SI
MTH374/MTH574	Linear Optimization	Pravesh Biyani	4	LO
MTH513	Abstract Algebra-II (New)	Anuradha Sharma	4	AA-II
MTH542	Introduction to Functional Analysis	Ashish Kumar Pandey	4	IFA
MTH598	Numerical Partial Differential Equations	Kaushik Kalyanaraman	4	NPDE
MTH571	Integral Transforms and their applications (New)	Sarthok Sircar	4	ITA
SOC208	Organizations: An Anthropological Perspective(New)	Shriram Venktraman	4	OAP
SOC207	Information Technology and Society(New)	Amrit Srinivasan(V)	4	ITS
SSH124	Critical Thinking	Raj Ayyar (V)	4	CT
SSH217	Indian Poetry through Ages	Saumya Kulshreshtha(G)	2	IPA
SSH321	Applied Ethics(New)	Manohar Kumar	4	AE