

DEPARTMENT OF ELECTRICAL COMMUNICATION ENGINEERING
Indian Institute of Science, Bangalore 560 012.

I TERM : AUGUST-DECEMBER 2019

SESSION: 2019-2020

COURSES SCHEDULE

Course Num.	Credits	Title of the Course	Instructor/s	Time	Venue
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I M.Tech (Communication and Networks):

Core

E2 202	3:0	Random Processes	U Mukherji/Parimal P	M, W 9.30-11 am	MP20
E2 211	3:0	Digital Communication	B. Sundar Rajan	T, Th 10-11.30 am	MP20
E2 221	3:0	Communication Networks	A Chockalingam	T, Th 11.30-1 pm	MP20

Soft Core A

E2 201	3:0	Information Theory	Himanshu Tyagi	T, Th 3.30-5pm	ECE1.07
E2 205	3:0	Error Control Coding	P. Vijaykumar	M, W 2-3.30pm	ECE1.08

Soft Core B

E0 251	3:1	Data Structures & Algorithms	Y N Srikant/Matthew Jacob, CSA	M, W 11-12.30pm	CSA117
E0 259	3:1	Data Analytics	Rajesh Sundaresan/ Ramesh Hariharan	T, Th 11-12.30pm	CSA112
E9 201	3:0	Digital Signal Processing	Soma Biswas, P. Ghosh EE	T, Th 3.30-5pm	*****
E1 251	3:0	Linear and Nonlinear Optimization	Muthuvel Arigovindan, EE	W, F 2-3.30pm	*****
E2 212	3:0	Matrix Theory	Chandra R Murthy	M,W,F 11.30-12.30pm	MP20
E9 211	3:0	Adaptive Signal Processing	Sundeeep P Chepuri	W, F 2-3.30pm	MP20
E7 221	2:1	Fibre Optic Communication	T Srinivas/E S Shivaleela	M, W 11-12noon	ECE1.09

Pool for Minors

NE 205	3:0	Semiconductor Devices & Integrated circuits Technology	Digbijoy Nath, CeNSE	M, W, F 9-10am	FF11, CeNSE
E0 284	2:1	Digital VLSI Circuits	Chetan Singh Thakur, DESE	M, W 10-11am	DESE
NE 213	3:0	Introduction to Photonics	Manoj Varma/Ambarish Ghosh, CeNSE	T, Th 10-11.30am	FF11 CeNSE

E8 202	3:0	Computational Electromagnetics	K J Vinoy /Dipanjan Gope	*****	*****
E9 241	2:1	Digital Image Processing	Chandrasekar Seelamantula,	M, W 10-11am	*****
E9 252	3:0	Mathematical Methods & Techniques in Signal Processing	Shayan Garani, DESE	*****	*****
E9 211	3:0	Adaptive Signal Processing	Sundeeep P Chepuri	W, F 2-3.30pm	MP20
E3 238	2:1	Analog VLSI Circuits	Gaurab Banerjee	M, W, F 11-12pm	ECE1.08

I M.Tech.(Signal Processing)

CORE

E1 251	3:0	Linear and Nonlinear Optimization	Muthuvel Arigovindan, EE	W, F 2-3.30pm	*****
E2 202	3:0	Random Processes	U Mukherji/Parimal P	M, W 9.30-11 am	MP20
E2 212	3:0	Matrix Theory	Chandra R Murthy	M,W,F 11.3012.30pm	MP20

Soft Core

E9 241	2:1	Digital Image Processing	Chandrasekar Seelamantula	M, W 10-11am	*****
E9 291	2:1	DSP System Design	G N Rathna, EE	*****	*****
E2 211	3:0	Digital Communication	B Sundar Rajan	T, Th 10-11.30am	MP20
E9 211	3:0	Adaptive Signal Processing	Sundeeep P Chepuri	W, F 2-3.30pm	MP20

I M.Tech. (Microelectronic Systems & VLSI)

CORE

E0 284	2:1	Digital VLSI Circuits	Chetan Singh Thakur, DESE	M, W 10-11am	DESE
E3 200	1:2	Microelectronics Lab	Mayank Shrivastava, DESE	F 12-1pm	DESE
E3 220	3:0	Foundations of Nanoelectronic Devices	Kausik Majumdar	T, Th 10-11.30am	MP30
E3 238	2:1	Analog VLSI Circuits	Gaurab Banerjee	M, W, F 11-12pm	ECE1.08
E3 282	3:0	Basics of Semiconductor Devices and Technology	Mayank Shrivastava, DESE	T, Th 11.30-1pm	DESE

SOFT CORE

E3 225	3:0	Art of Compact Modelling	Santanu Mahapatra, DESE	*****	*****
E3 245	2:1	Processor System Design	Kuruvilla Varghese	M, W 10-11am	DESE
E8 202	3:0	Computational Electromagnetics	K J Vinoy/ Dipanjan Gope	*****	*****

ELECTIVE

E1 245	3:0	Online Prediction and Learning	Aditya Gopalan	T, Th 5-6.30pm	ECE1.07
E1 396	3:0	Topics in Stochastic Approximation Algorithm	Rajesh Sundaresan	M, W 11-12.30pm	ECE1.07
E2 214	3:0	Finite-State Channels	Navin Kashyap	T, Th 11.30-1pm	ECE1.09
E2 251	3:0	Communication Systems Design	A. Chockalingam	M, W 3.30-5pm	MP30
E2 302	3:0	Next Generation Wireless System Design	Neelesh B Mehta	M, W, F 10-11am	ECE1.07
E2 331	3:0	Advanced Topics in Coding Theory	B Sundar Rajan	M, W, F 9-10am	ECE1.08
E2 336	3:0	Foundation in Machine Learning	Vinod Sharma/Parimal Parag	T, Th 3.30-5pm	MP30
E7 221	2:1	Fibre Optic Communication	T Srinivas/E S Shivaleela	M, W 11-12noon	ECE1.09
E8 202	3:0	Computational Electromagnetics	K J Vinoy/ Dipanjan Gope	*****	*****
E9 205	3:1	Machine Learning for Signal Processing	Sriram Ganapathy	M, W 3.30-5pm	*****
E9 206	3:0	Digital Video: Perception and Algorithms	Rajiv Soundararajan	M, W 11.30-1pm	MP30
NE 312	3:0	Nonlinear and Ultrafast Optics	V Raghunathan/Supradeepa	W, Th 2-3.30pm	CeNSE

All students can register courses via online consulting your Advisor/Project Guide/Research Supervisor from 1st August, 2019.

30/07/2019

(CHAIRMAN)