

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

I TERM : AUGUST-DECEMBER 2016  
COURSES SCHEDULE

SESSION: 2016-17

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

**Core**

E2 202	3:0	Random Processes	Utpal Mukherji/ Navin Kashyap	T, Th 2-3.30PM, ECE 1.08
E2 211	3:0	Digital Communication	B Sundar Rajan	T, Th 11.30-1PM, L8CL
E2 221	3:0	Communication Networks	A Chockalingam	T, Th 10-11.30PM, L1CL

**Soft Core A**

E2 201	3:0	Information Theory	Himanshu Tyagi	T, Th 4-5.30PM, ECE 1.08
E2 223	3:0	Communication Protocols	P Venkataram/Anandi G	*****
E8 203	3:0	RF and Optical Engineering	K J Vinoy, T. Srinivas	*****

**Soft Core B**

E9 201	3:0	Digital Signal Processing	Soma Biswas, EE	T, TH 3:30-5:00
E1 251	3:0	Linear and Nonlinear Optimization	Muthuvel Arigovindan, EE	W, F 2-3.30
E2 212	3:0	Matrix Theory	A G Ramakrishnan, EE	M,W, F 9-10

**Pool for Minors**

NE 205	3:0	Semiconductor Devices & Integrated circuits Technology	Digvijaynath, CeNSE	*****
E0 284	2:1	Digital VLSI Circuits	Bharadwaj Amrutur	M, W, F 12-1PM, ECE 1.08
E3 214	3:0	Microsensor Technologies	T Srinivas/T Badrinarayana	*****
E7 213	3:0	Introduction to Photonics	Manoj Varma/Ambarish Ghosh, CeNSE	T, Th 10-11.30AM, CeNSE
E8 202	3:0	Computational Electromagnetics	K J Vinoy/Dipanjan Gope	*****
E8 203	3:0	RF and Optical Engineering	K J Vinoy/T Srinivas	*****
E9 241	2:1	Digital Image Processing	S Chandra Sekhar, EE	M, W 10-11
E9 252	3:0	Mathematical Methods & Techniques in Signal Processing	Shayan Garani, DESE	

## **I M.Tech.(Signal Processing)**

### **CORE**

E1 251	3:0	Linear and Nonlinear Optimization	Muthuvel Arigovindan, EE	W, F 2-3.30
E2 202	3:0	Random Processes	Utpal Mukherji/ Navin Kashyap	T, Th 2-3.30PM, ECE 1.08
E2 212	3:0	Matrix Theory	A G Ramakrishnan	M,W, F 9-10

### **Soft Core**

E9 241	2:1	Digital Image Processing	S Chandra Sekhar, EE	M, W 10-11
E9 291	2:1	DSP System Design	G N Rathna, EE	
E2 211	3:0	Digital Communication	B Sundar Rajan	T, Th 11-30-1PM, L8CL

## **I M.Tech. (Microelectronic Systems)**

### **Pool A: Materials, Processes and Device Technology**

NE 205	3:0	Semiconductor Devices & Integrated Circuits Technology	Digvijaynath, CeNSE	*****
IN 214	3:0	Semiconductor Devices and Circuits	Sanjiv Sambandam, IN	*****
E3 214	3:0	Microsensor Technologies	T Srinivas	*****
E3 220	3:0	Foundations of Nanoelectronic Devices	Kausik Majumdar	T, Th 10-11.30 AM, ECE 1.07
E3 271	3:0	Power Semiconductor Device & Physics	Mayank Srivastava, DESE	*****
E7 213	3:0	Introduction to Photonics	Manoj Varma/Ambarish Ghosh, CeNSE	T, Th 10-11.30AM, CeNSE
E8 202	3:0	Computational Electromagnetics	K J Vinoy & Dipanjan Gope	*****

### **Pool B: Circuits, CAD, Systems and Applications**

E0 284	2:1	Digital VLSI Circuits	Bharadwaj Amrutur	M, W, F 12-1PM, ECE 1.08
E3 225	3:0	Art of Compact Modeling	Santanu Mahapatra, DESE	
E3 257	2:1	Embedded Systems 1	Haresh Dagale	
E3 271	3:0	Reliability of Nanoscale Circuits and Systems	Mayank Srivastava, DESE	
E9 252	3:0	Mathematical Methods & Techniques in Signal Processing	Shayan Garani, DESE	

**ELECTIVE**

E0 201	3:0	Proofs and Measures	Parimal Parag	T, Th 9-10.30AM, ECE 1.08
E0 259	3:1	Data Analytics	Rajesh Sundaresan/ Ramesh Hariharan	T, Th 9.30-11AM CSA
E0 266	3:0	Topics in Ubiquitous Computing	P Venkataram	*****
E2 251	3:0	Communication Systems Design	A. Chockalingam	M, W 3.30-5PM, ECE 1.07
E2 302	3:0	Next Generation Wireless Systems: Design and Analysis	Neelesh B Mehta	M,W,F 12-1 PM, ECE 1.07
E2 312	3:0	Random Matrix Theory for Wireless Communication	Chandra R Murthy	M, W, F 11-12Noon, ECE 1.07
E8 202	3:0	Computational Electromagnetics	K J Vinoy/Dipanjan Gope	*****
E8 203	3:0	RF and Optical Engineering	K J Vinoy/T Srinivas	*****
E9 202	3:0	Advanced Digital Signal Processing: Non linear Filters	Rajiv Soundararajan	T, Th 3.30-5PM, ECE 1.07
E2 208	3:0	Topics in Information Theory and Coding	B Sundar Rajan	M, W, F 11-12noon, L6CL
E2 207	3:0	Concentration Inequalities	Aditya Gopalan/Himanshu Tyagi	T, Th 11-12.30PM, ECE 1.08
E9 212	1:2	Advanced Wireless IC Design	Gaurab Banerjee	M 11-12noon, ECE 1.08

**II M.E**

EP 299	0:9	Project	Faculty	
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28/07/2016

(CHAIRMAN)



