

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

II TERM : JANUARY - APRIL 2016

SESSION: 2015-16

COURSES SCHEDULE

Course Num.	Credits	Title of the Course	Instructor/s	Time – Table Day, Time and Venue
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**I.M.E. (Communication and Networks):**

**Core**

E1 244	3:0	Detection and Estimation Theory	Aditya Gopalan/Parimal Parag	T, Th 2 – 3.30PM, ECE 1.08
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Soft Core A

E2 203	3:0	Wireless Communication	Neelesh B Mehta	T, Th 10-11.30AM ECE 1.07
E2 204	3:0	Stochastic processes & Queueing Theory	Aditya Gopalan/Parimal Parag	T, Th 4-5.30PM, ECE 1.08
E2 241	3:0	Wireless Networks	U. Mukherji	W, F 11-12.30PM, ECE 1.07
E2 242	3:0	Multi-User Detection	A. Chockalingam	T, Th 11.30-1PM, ECE 1.07

Soft Core B

E1 254	3:1	Game Theory	Y Narahari, CSA	
E9 211	3:0	Adaptive Signal Processing	K. Rajgopal, EE	M, W, F 3-4PM

Pool for Minors

E1 213	3:1	Pattern Recognition & Neural Networks	P. S. Sastry, EE	T, Th 3.30-5PM
E1 216	3:1	Computer Vision	Venu Madhav Govind, EE	M, W 2-4PM
E3 237	3:0	Integrated Circuits for Wireless Communication	Gaurab Banerjee	T, Th 11-12.30PM, ECE 1.08
E3 239	3:0	Advanced VLSI Circuits	Bharadwaj Amrutur	M, W, F 12-1PM, ECE 1.08
E7 211	3:0	Photonics Integrated Circuits	T. Srinivas/T. Badrinarayana	T, Th 11-12.30pm, ECE 1.06
E7 231	3:0	Fibre Optic Networks	T. Srinivas/E. S. Shivaleela	M, W, F 11-12noon, ECE 1.06
IN 247	3:0	Principles of Tomography	R M Vasu	*****
E8 242	2:1	Radio Frequency Integrated Circuits and	K. J. Vinoy	*****

		Systems		
E8 262	3:0	CAD for High-Speed Chip Packaging Systems	Dipanjan Gope	T, Th 5.30-7PM, ECE 1.08
E9 211	3:0	Adaptive Signal Processing	K. Rajgopal, EE	M, W, F 3-4PM
E9 213	3:0	Time Frequency Analysis	S. Chandra Sekhar, EE	M, W, F 11-12 Noon
E9 261	3:1	Speech Information Processing	Prasanta Kumar Ghosh, EE	M, W, F 4-5PM, EE 307
E9 262	3:0	Stochastic Models for Speech/Audio	T. V. Sreenivas	

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

#### **Core**

E1 244	3:0	Detection and Estimation Theory	Aditya Gopalan/Parimal Parag	T, Th 2 – 3.30PM, ECE 1.08
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#### Soft Core

E1 213	3:1	Pattern Recognition & Neural Networks	P. S. Sastry, EE	T, Th 3.30-5PM
E1 216	3:1	Computer Vision	Venu Madhav Govind, EE	M, W 2-4PM
E9 211	3:0	Adaptive Signal Processing	K. Rajgopal, EE	M, W, F 3-4PM
E9 213	3:0	Time Frequency Analysis	S. Chandra Sekhar, EE	M, W, F 11-12 Noon
E9 261	3:1	Speech Information Processing	Prasanta Kumar Ghosh, EE	M, W, F 4-5PM, EE 307

## I M.E.(Microelectronics Systems)

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

E3 222	2:1	Micromachining for MEMS Technology	Navakanta Bhat/K. N. Bhat	*****
E3 272	3:0	Advanced ESD Devices Circuits & Design Methods	Mayank Srivastava, DESE	*****
E3 280	3:0	Carrier Transport in Electronic Devices	Kausik Majumdar	T, Th 8.30-10PM, ECE 1.07
ME 237	3:0	Introduction to MEMS	Rudrapratap, CENSE	*****

### Pool B: Circuits, CAD, systems and Applications

E3 231	2:1	Digital Systems Design with FPGAs	Kuruvilla Varghese, DESE	
E3 237	3:0	Integrated Circuits for Wireless Communication	Gaurab Banerjee	T, Th 11-12.30PM, ECE 1.08
E3 239	3:0	Advanced VLSI Circuits	Bharadwaj Amrutur	M, W, F 12-1PM, ECE 1.08
E3 257	2:1	Embedded Systems I	Hareesh Dagale, DESE	*****
E3 258	2:1	Design for Internet of Things	H. S. Jamadagni/ T. V. Prabhakar, DESE	*****
E3 266	2:1	Electromagnetic Compatibility	M. K. Gunasekaran, DESE	*****
E8 242	2:1	Radio Frequency Integrated Circuits and Systems	K. J. Vinoy	*****

## ELECTIVE

E7 211	3:0	Photonics Integrated Circuits	T. Srinivas/T. Badrinarayana	
E9 203	3:0	Compressive Sensing & Sparse Signal Processing	K.V.S. Hari	T, Th 8.30-10AM L
E2 331	3:0	Advanced Course in Coding Theory	B. Sundar Rajan	T, Th 11.30-1PM L6CL
E9 262	3:0	Stochastic Models for Speech/Audio	T. V. Sreenivas	*****
E0 262	3:0	Multimedia Information Systems	P. Venkataram/Anandi G	*****
E7 231	3:0	Fibre Optic Networks	T. Srinivas/E. S. Shivaleela	M, W, F 11-12noon, ECE 1.06
E8 242	2:1	Radio Frequency Integrated Circuits and Systems	K. J. Vinoy	M, W 5.30PM-7PM, ECE 1.08
E2 206	3:0	Information and Communication Complexity	Himanshu Tyagi	M, W 5-6.30PM, ECE 1.07
E2 213	3:0	Information Theoretic - Security	Navin Kashyap	T, Th 3-30-5PM, ECE 1.07

## II ME

EP 299	0:16	Project	Faculty	
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NOTE: Students are advised to collect the registration cards from ECE office and get the Registration Cards duly signed by their advisors and respective course instructors and submit the same to Mr. R. Srinivasamurthy in ECE office.

31/12/2015

(CHAIRMAN)