

**DEPARTMENT OF ELECTRICAL ENGINEERING  
INDIAN INSTITUTE OF SCIENCE**

**COURSES OFFERED BY EE FACULTY DURING AUG-DECEMBER 2018**

**It should be noted that SCC has defined MWF 1 hour slots starting at 8.00 AM/2.00 PM and TTH 1.5 hours slots starting at 8.30 AM/2.00PM for conducting course instruction classes.**

Course No.	Credits	Course Title	Instructor/s	Time Slot	LAB
E1 241	3:0	DYNAMICS OF LINEAR SYSTEMS	Pavan Kumar	MWF 12-1.00	
E4 221	2:1	DSP AND AI TECHNIQUES IN POWER SYSTEM PROTECTION	U.J. Shenoy	*	
E4 231	3:0	POWER SYSTEM DYNAMICS & CONTROL	Gurunath G	T-TH 11.30-1.00	
E4 234	3:0	ADVANCED POWER SYSTEMS ANALYSIS	Sarasij Das	WF 11.30-1.00	
E5 201	2:1	PRODUCTION, MEASUREMENT AND APPLICATION OF HIGH VOLTAGE	BS Rajanikanth/ B Subba Reddy	MW 10-11	T-Th 2-5
E5 215	2:1	PULSED POWER ENGINEERING	Joy Thomas M	MW 11-12	M W 2-5
E5 253	2:1	DIELECTRICS AND ELECTRICAL INSULATION ENGG.	Joy Thomas M	MW 11-12	M W 2-5
E6 201	3:1	POWER ELECTRONICS	G. Narayanan	MW 8.30-10	M W F 2-5
E6 224	3:0	TOPICS IN POWER ELECTRONICS AND DISTRIBUTED GENERATION	Vinod John	TTH 8.30-10	
E6 225	3:0	ADVANCED POWER ELECTRONICS	Kaushik Basu	TTH 3.30-5.00	
E8 201	3:0	ELECTROMAGNETISM	Udayakumar	T-TH 10-11.30	

Course No.	Credits	Course Title	Instructor/s	Time Slot	LAB
E0 247	3:0	SENSOR NETWORKS	G.N. Rathna	*	
E0 332	3:0	MATRIX ANALYSIS	Kunal N Chaudhury	T-TH 10-11.30	
E1 222	3:0	STOCHASTIC MODELS AND APPLICATIONS	P. S Sastry	T-TH 11.00-12.30	
E1 241	3:0	DYNAMICS OF LINEAR SYSTEMS	Pavan Kumar	MWF 12-1.00	
E1 251	3:0	LINEAR AND NONLINEAR OPTIMISATION	Muthuvel Arigovindan	W,F 2 – 3.30	
E2 212	3:0	MATRIX THEORY	A.G. Ramakrishnan	MWF 9-10	
E9 201	3:0	DIGITAL SIGNAL PROCESSING	Soma Biswas/Prasanta Kumar Ghosh	T-TH 3:30-5:00	
E9 205	3:1	MACHINE LEARNING FOR SIGNAL PROCESSING	Sriram Ganapathy	MW – 3.30-5	
E9 241	2:1	DIGITAL IMAGE PROCESSING	Rajeev Soundararajan	M,W – 10-11.00	
E9 245	3:1	SELECTED TOPICS IN COMPUTER VISION	Venu Madhav Govindu	M,W – 2-4.00	
E9 291	2:1	DSP SYSTEM DESIGN	G.N. Rathna	*	

- To be fixed

All classes should be held in the EE building.

Batch of students to be formed to accommodate suitably in Power Electronics and High voltage laboratory as per convenience.

(CHAIRMAN)

**DEPARTMENT OF ELECTRICAL ENGINEERING,  
INDIAN INSTITUTE OF SCIENCE**

**I TERM – AUG-DEC 2018**

**COURSES FOR 1 YEAR M.Tech. (ELECTRICAL ENGINEERING - EE)**

**Hard Core**

Course No.	Credits	Course Title	Instructors	Time Slot	LAB
E1 241	3:0	DYNAMICS OF LINEAR SYSTEMS	Pavan Kumar	MWF 12-1.00	
E4 234	3:0	ADVANCED POWER SYSTEMS ANALYSIS	Sarasij Das	WF 11.30-1.00	
E5 201	2:1	PRODUCTION, MEASUREMENT AND APPLICATION OF HIGH VOLTAGE	BS Rajanikanth/ B Subba Reddy	MW 10-11	T-Th 2-5
E6 201	3:1	POWER ELECTRONICS	G. Narayanan	MW 8.30-10	M W F 2-5

**Soft Core**

Course No.	Credits	Title of the Course	Instructor/s	TIME SLOT	LAB
E4 231	3:0	POWER SYSTEM DYNAMICS & CONTROL	Gurunath G	T-TH 11.30-1.00	

**I TERM – AUG-DEC 2018**

**COURSES For I Year M.Tech. (SIGNAL PROCESSING - SP)**

**Hard Core**

Course No.	Credits	Title of the Course	Instructor/s	TIME SLOT	LAB
E1 251	3:0	Linear and Nonlinear Optimization	Muthuvel Arigovindan, EE	WF 2-3.30	
E2 202	3:0	Random Processes	Utpal Mukherji,/Parimal Parag (ECE )	T-TH 2-3.30 <b>ECE 1.08</b>	
E2 212	3:0	Matrix Theory	A G Ramakrishnan (EE)	MWF 9-10	
<b>9 CREDITS COMPLUSORY</b>					

**Soft Core**

Course No.	Credits	Title of the Course	Instructor/s	TIME SLOT	LAB
E2 211	3:0	Digital Communication	B Sundar Rajan, ECE	T-TH 11.30-1.00 <b>ECE 1.08</b>	
E9 211	3:0	ADAPTIVE SIGNAL PROCESSING	K V S Hari, (ECE)	T-TH 8.30-10.00	
E9 221	3:0	Signal Quantization and Compression	????	*	
E9 241	2:1	Digital Image Processing	Rajeev Soundararajan,	MW 10-11	

			ECE		
E9 291	2:1	DSP System Design	G.N.Rathna (EE)	*	

(CHAIRMAN)

**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**Indian Institute of Science**  
**Bangalore**

**I TERM – AUG-DEC 2018**

**COURSES For I Year M.Tech. (SYSTEMS ENGINEERING)**

**Hard Core**

Course No.	Credits	Title of the Course	Instructor/s	Time slot	LAB
E0 251	3:1	Data Structures and Algorithms(AUG)	Y N SRIKANT, CSA	T-TH 9.30-11.00	
E1 222	3:0	Stochastic Models and Applications(AUG)	P.S. Sastry, EE	T-TH 11.00-12.30	
E1 241	3:0	Dynamics of Linear Systems(AUG)	Pavan Kumar, EE	MWF 12-1.00 or T TH 2-3.30	
E1 251	3:0	Linear and Nonlinear Optimization(AUG)	Muthuvel Arigovindan, EE	WF 2-3.30	

**Soft Core**

Course No.	Credits	Title of the Course	Instructor/s	Time Slot	LAB
E0 226	3:1	Linear Algebra and Probability(AUG)	M Narasimha Murty/Shalabh Bhatnagar, CSA	T-TH 8-9.30	
E2 212	3:0	Matrix Theory	A G Ramakrishnan (EE)	MWF 9-10	
E9 201	3:0	Digital Signal Processing(AUG)	Soma Biswas/Prasanta Kumar Ghosh(EE)	T-TH 3.30-5.00	
E9 241	2:1	Digital Image Processing (AUG)	Rajeev Soundararajan, ECE	MW 10-11	

(CHAIRMAN)