



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN
(Approved by AICTE & Affiliated to JNTUH)
Chowdharyguda, Korremula(V),Ghatkesar (M),Medchal(D),TS-500088

2.3.2: Teachers use ICT enabled tools for effective teaching-learning process Subject Wise for Year 2017-18





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DEPARTMENT OF CIVIL ENGINEERING
AY 2017-18

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	Source	NAME OF THE FACULTY	Students Attendance
1	II YEAR	Strength of Materials - I	Introduction of simple stresses and strains	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/1	Mrs.K.Niveditha	102
2			Definition of beam – Types of beams – Concept of shear force and bending moment	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/22	Mrs.K.Niveditha	98
3			Theory of simple bending – Assumptions	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/112105164/36	Mrs.K.Niveditha	95
4			Theory of pure torsion, assumptions made in theory of torsion	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/18	Mrs.K.Niveditha	96
5			Deflection of beams	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/19	Mrs.K.Niveditha	97
6		Building Material, Construction and Planning	Building stone classification and dressing	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Mr.T.Venkatesh	96
7			Admixtures mineral and chemical admixtures	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Mr.T.Venkatesh	95
8			Plumbing services	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Mr.T.Venkatesh	98
9			Brick masonry types	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Mr.T.Venkatesh	97
10			Principles of building planning	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Mr.T.Venkatesh	92
11		Engineering Geology	Importance of geology from civil engg point of view	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.Shree Mahalakshmi	86
12			Structural geology	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.Shree Mahalakshmi	97
13			Landslides causes and its effects	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.Shree Mahalakshmi	98
14			Intruduction of geological hazards	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.Shree Mahalakshmi	93
15			Geological consideration in selection of dam	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.Shree Mahalakshmi	92
16			Engineering hydrology	Dr. Pranab K Mohapatra	IIT Kanpur	https://nptel.ac.in/courses/105/104/105104103/	Ms.D.Narsamma	91

17	III YEAR	Water Resources Engineering	Hydrograph Analysis Flood Hydrograph	Dr. Pranab K Mohapatra	IIT Kanpur	https://nptel.ac.in/courses/105/104/105104103/	Ms.D.Narsamma	87
18			Radial flow to wells in unconfined aquifer	Prof. Rajesh Srivastava	IIT Kanpur	https://nptel.ac.in/courses/105/104/105104103/	Ms.D.Narsamma	85
19			factors affecting duty- Design	Prof. Rajesh Srivastava	IIT Kanpur	https://nptel.ac.in/courses/105/104/105104103/	Ms.D.Narsamma	89
20			IS standards for a canal design canal lining.	Prof. Rajesh Srivastava	IIT Kanpur	https://nptel.ac.in/courses/105/104/105104103/	Ms.D.Narsamma	85
21		Geotechnical engineering	Introduction of Soil formation	Prof. D.N. Singh	IIT Bombay	https://nptel.ac.in/courses/105/101/105101201/	Mr.K. Vittal Rao	89
22			Permeability, Soil water & capillary rise	Prof. D.N. Singh	IIT Bombay	https://nptel.ac.in/courses/105/101/105101201/	Mr.K. Vittal Rao	82
23			Introduction to Stress Distribution in Soils	Prof. D.N. Singh	IIT Bombay	https://nptel.ac.in/courses/105/101/105101201/	Mr.K. Vittal Rao	81
24			Introduction of Consolidation	Prof. D.N. Singh	IIT Bombay	https://nptel.ac.in/courses/105/101/105101201/	Mr.K. Vittal Rao	86
25			Importance of shear strength	Prof. D.N. Singh	IIT Bombay	https://nptel.ac.in/courses/105/101/105101201/	Mr.K. Vittal Rao	87
26		Environmental Engineering	Characteristics of water and waste water	Prof. C. Venkobachar	IIT Madras	https://nptel.ac.in/courses/105106119/5	Ms.D.Narsamma	88
27	Sedimentation		Prof. C. Venkobachar	IIT Madras	https://nptel.ac.in/courses/105106119/8	Ms.D.Narsamma	89	
28	Waste water treatment		Prof. C. Venkobachar	IIT Madras	https://nptel.ac.in/courses/105106119/15	Ms.D.Narsamma	86	
29	Activated sludge process		Prof. C. Venkobachar	IIT Madras	https://nptel.ac.in/courses/105106119/16	Ms.D.Narsamma	85	
30	Anaerobic treatment		Prof. C. Venkobachar	IIT Madras	https://nptel.ac.in/courses/105106119/23	Ms.D.Narsamma	81	
31	Water Resources Engineering-II		Sediment management in reservoirs and regulated rivers	Dr. Dhruvajyoti Sen	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105110/	Mrs.S.Amrutha	67
32		Designing of culvert	Dr. Dhruvajyoti Sen	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105110/	Mrs.S.Amrutha	55	
33		Design and construction of dams	Dr. Dhruvajyoti Sen	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105110/	Mrs.S.Amrutha	54	
34		Spillways and Energy Dissipators	Dr. Dhruvajyoti Sen	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105110/	Mrs.S.Amrutha	49	
35		Diversion structures	Dr. Dhruvajyoti Sen	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105110/	Mrs.S.Amrutha	56	
36		IV YEAR	Management process and roles of management	Prof.sudhir misra	IIT Kanpur	https://nptel.ac.in/courses/105104161/2	Mr.Venu Gopala Chary Dasoju	62
37	Type of Construction projects and its resources.		Prof.sudhir misra	IIT Kanpur	https://nptel.ac.in/courses/105104161/2	Mr.Venu Gopala Chary Dasoju	67	

38	Construction Management	Scheduling techniques	Prof.sudhir misra	IIT Kanpur	https://nptel.ac.in/courses/105104161/4	Mr.Venu Gopala Chary Dasoju	58
39		Safety assessment in construction.	Prof.sudhir misra	IIT Kanpur	https://nptel.ac.in/courses/105104161/8	Mr.Venu Gopala Chary Dasoju	51
40		M-Book and muster role	Prof.sudhir misra	IIT Kanpur	https://nptel.ac.in/courses/105104161/9	Mr.Venu Gopala Chary Dasoju	46



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
A.Y.2017-2018

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	Students Attended	
1	II YEAR	COMPUTER ORGANIZATION	Fundamentals of DigitalComputer	Prof. Jatindra Kumar Deka	IIT Guwahati	https://www.youtube.com/watch?v=cipkWLpAsE&list=PLgHucKw979AvCnTpPNZMZYORdL5HvT9m&index=4	Mrs.G.Pavani	72	
2			Direct Memory Access	Prof. Jatindra Kumar Deka	IIT Guwahati	https://www.youtube.com/watch?v=CSkNOwi02U&list=PLgHucKw979AvCnTpPNZMZYORdL5HvT9m&index=26	Mrs.G.Pavani	75	
3			Basics of Memory and Cache	Dr. Arnab Sarkar	IIT Guwahati	https://www.youtube.com/watch?v=k95Dz2ESypU&list=PLgHucKw979AvCnTpPNZMZYORdL5HvT9m&index=29	Mrs.G.Pavani	75	
4			Virtual Memory and Address Translation	Dr. Arnab Sarkar	IIT Guwahati	https://www.youtube.com/watch?v=k95Dz2ESypU&list=PLgHucKw979AvCnTpPNZMZYORdL5HvT9m&index=33	Mrs.G.Pavani	78	
5			Page Frame Allocation and Thrashing	Dr. Arnab Sarkar	IIT Guwahati	https://www.youtube.com/watch?v=k95Dz2ESypU&list=PLgHucKw979AvCnTpPNZMZYORdL5HvT9m&index=38	Mrs.G.Pavani	78	
11		FLAT	OPERATING SYSTEMS	Introduction to Theory of Computation	Prof.Somenath Biswas	IIT Kanpur	https://www.youtube.com/watch?v=5398k9FQyo&list=PLbMVogV5n5d25Wn5U1442yGmsjuKr3&index=2	Mr.Ravinder Reddy	72
12				Introduction to FA's	Prof.Somenath Biswas	IIT Kanpur	https://www.youtube.com/watch?v=r20L_inUNv8&list=PLbMVogV5n5d25Wn5U1442yGmsjuKr3&index=3	Mr.Ravinder Reddy	75
13				FSA WITH OUTPUT	Prof.Kamala Krithivasan	IIT Madras	https://www.youtube.com/watch?v=jwEz8j8g&list=PL85CE9FAA047C7BF7&index=19	Mr.Ravinder Reddy	75
14				Push Down Automata	Prof.Kamala Krithivasan	IIT Madras	https://www.youtube.com/watch?v=hyEGNn7Uo&list=PL85CF94A047C7BF7&index=23	Mr.Ravinder Reddy	78
15				Turing Machines	Prof.Kamala Krithivasan	IIT Madras	https://www.youtube.com/watch?v=hyEGNn7Uo&list=PL85CF94A047C7BF7&index=26	Mr.Ravinder Reddy	78
16		OPERATING SYSTEMS	OPERATING SYSTEMS	Introduction to OS	Prof.Chester Rebeiro	IIT Madras	https://nptel.ac.in/courses/106/106/106106144/	Mr.HariKishan	72
17				Memory Management	Prof.Chester Rebeiro	IIT Madras	https://nptel.ac.in/courses/106/106/106106144/	Mr.HariKishan	75
18				OS Processes	Prof.Chester Rebeiro	IIT Madras	https://nptel.ac.in/courses/106/106/106106144/	Mr.HariKishan	75
19				Interrupts	Prof.Chester Rebeiro	IIT Madras	https://nptel.ac.in/courses/106/106/106106144/	Mr.HariKishan	78
20				Scheduling	Prof.Chester Rebeiro	IIT Madras	https://nptel.ac.in/courses/106/106/106106144/	Mr.HariKishan	78
21		III YEAR	SOFTWARE ENGINEERING	Introduction to Software Engineering	Prof.N.L.Sarda	IIT Mumbai	https://www.youtube.com/watch?v=26f9cEEkU&list=PL8751DA481F0F0D17	Dr.JVN.Ramesh	60
22				Overview of Phases	Prof.N.L.Sarda	IIT Mumbai	https://www.youtube.com/watch?v=vn6QvTb-TuQ&list=PL8751DA481F0F0D17&index=4	Dr.JVN.Ramesh	62
23				Requirements Engineering	Prof.Umesh Bellur	IIT Mumbai	https://www.youtube.com/watch?v=Er6mwoqPLV&list=PL8751DA481F0F0D17&index=6	Dr.JVN.Ramesh	65
24				Systems Modelling	Prof.Umesh Bellur	IIT Mumbai	https://www.youtube.com/watch?v=ayP5Evdjgw&list=PL8751DA481F0F0D17&index=9	Dr.JVN.Ramesh	68
25				process Modelling	Prof.N.L.Sarda	IIT Mumbai	https://www.youtube.com/watch?v=mabRepmXGA&list=PL8751DA481F0F0D17&index=10	Dr.JVN.Ramesh	68
26	COMPUTER NETWORKS	COMPUTER NETWORKS	Introduction to networks	Prof. S. Ghosh	IIT Kharagpur	https://www.youtube.com/watch?v=3DZ11fbqtQ&list=PLC846B39EBE51B674&index=1	Mrs.M.Soujanya	60	
27			Network Topology	Prof. S. Ghosh	IIT Kharagpur	https://www.youtube.com/watch?v=3DZ11fbqtQ&list=PLC846B39EBE51B674&index=2	Mrs.M.Soujanya	62	
28			Physical Medium	Prof. S. Ghosh	IIT Kharagpur	https://www.youtube.com/watch?v=3DZ11fbqtQ&list=PLC846B39EBE51B674&index=3	Mrs.M.Soujanya	65	
29			Types of Media	Prof. S. Ghosh	IIT Kharagpur	https://www.youtube.com/watch?v=3DZ11fbqtQ&list=PLC846B39EBE51B674&index=4	Mrs.M.Soujanya	68	
30			Multiplexing	Prof. S. Ghosh	IIT Kharagpur	https://www.youtube.com/watch?v=3DZ11fbqtQ&list=PLC846B39EBE51B674&index=5	Mrs.M.Soujanya	68	
31	INFORMATION SECURITY	INFORMATION SECURITY	Introduction to Cryptography	Prof. Sourav Mukhopadhyay	IIT Kharagpur	https://www.youtube.com/watch?v=aOf-d5vF7yq4&list=PLJ5C_6qdAv8FAuGolC2wFGrUy_E2zYteV&index=1	Mr.K.Sampath	60	
32			Cryptanalysis on Substitution Cipher	Prof. Sourav Mukhopadhyay	IIT Kharagpur	https://www.youtube.com/watch?v=aOf-d5vF7yq4&list=PLJ5C_6qdAv8FAuGolC2wFGrUy_E2zYteV&index=3	Mr.K.Sampath	62	
33			Triple DES	Prof. Sourav Mukhopadhyay	IIT Kharagpur	https://www.youtube.com/watch?v=k01WEUe_w&list=PLJ5C_6qdAv8FAuGolC2wFGrUy_E2zYteV&index=8	Mr.K.Sampath	65	
34			Stream Cipher	Prof. Sourav Mukhopadhyay	IIT Kharagpur	https://www.youtube.com/watch?v=qEFTTKIRLZY&list=PLJ5C_6qdAv8FAuGolC2wFGrUy_E2zYteV&index=9	Mr.K.Sampath	68	
35			Public key Cryptosystem	Prof. Sourav Mukhopadhyay	IIT Kharagpur	https://drive.google.com/file/d/1hV0CYNWTHY3S4P2v0tXfSatw5SpvY2/view?usp=sharing	Mr.K.Sampath	68	
41	LINUX PROGRAMMING	LINUX PROGRAMMING	Basics of Linux	Anand Iyer	Director, Calypto Design Systems	https://www.youtube.com/watch?v=akUj18Vzdk&list=PLZ5dJ1UQexIMzvtbuUk2uVHttBKV-1H&index=1	Mr.K.Prathap	10	
42			Linux Networking	Anand Iyer	Director, Calypto Design Systems	https://www.youtube.com/watch?v=Z0RVmUR1RZM&list=PLZ5dJ1UQexIMzvtbuUk2uVHttBKV-1H&index=5	Mr.K.Prathap	12	
43			File Transfer Protocol	Anand Iyer	Director, Calypto Design Systems	https://www.youtube.com/watch?v=akUj18Vzdk&list=PLZ5dJ1UQexIMzvtbuUk2uVHttBKV-1H&index=7	Mr.K.Prathap	12	

44	IV YEAR	DATA MINING	Domain Name System	Anand Iyer	Director, Calypto Design Systems	https://www.youtube.com/watch?v=akU1J8Vzdk&list=PLZ5dJlIUQexIMzybuik2uVHtt8KV-1H8&index=8	Mr.K.Prathap	12
45			AFS & NIS	Anand Iyer	Director, Calypto Design Systems	https://www.youtube.com/watch?v=akU1J8Vzdk&list=PLZ5dJlIUQexIMzybuik2uVHtt8KV-1H8&index=11	Mr.K.Prathap	12
46			Introduction to KDD	Prof.Pabitra Mitra	IIT Kharagpur	174/	Dr.Y.Ravi Kumar	10
47			Data Preprocessing	Prof.Pabitra Mitra	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105174/	Dr.Y.Ravi Kumar	12
48			Association Rules	Prof.Pabitra Mitra	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105174/	Dr.Y.Ravi Kumar	12
49			Apriori Algorithm	Prof.Pabitra Mitra	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105174/	Dr.Y.Ravi Kumar	12
50			Decision Tree	Prof.Pabitra Mitra	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105174/	Dr.Y.Ravi Kumar	12



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A.Y.2017-2018 I SEM

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	Students Attended
1	II YEAR	ANALOG ELECTRONICS	Introduction to Analog Electronics	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=N3b0tDixR8Y_ , https://nptel.ac.in/courses/108/102/108102095/	Mrs.S.S Gowry	109
2			BJT Power Amplifiers	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=Xoo6QIQWODE&list=PL2D75EC7EC87B37E0&index=2 , https://nptel.ac.in/courses/108/102/108102095/	Mrs.S.S Gowry	95
3			High Frequency Response of Small Signal Amplifiers	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=RyXWXKuajUo&list=PL2D75EC7EC87B37E0&index=14 , https://nptel.ac.in/courses/108/102/108102095/	Mrs.S.S Gowry	101
4			Low Frequency Response of Small Signal Amplifiers	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=xL8hQ1pHjCO , https://nptel.ac.in/courses/108/102/108102095/	Mrs.S.S Gowry	100
5			Design Feedback Amplifier	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=sT7nQypM5uU&list=PL2D75EC7EC87B37E0&index=17 , https://nptel.ac.in/courses/108/102/108102095/	Mrs.S.S Gowry	97
6		SIGNALS AND STOCHASTIC PROCESS	Discrete probability distributions	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=6x1pL9Yov1khttps://www.youtube.com/watch?v=KcXCARqI-6A&list=PLp6ek2hDcoNBtK-hVSSPIbBzfxXwWON4x&index=1	Mrs.G.Ramya	110
7			Stochastic processes	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=FWe5uk5NA5I	Mrs.G.Ramya	109
8			Continuous probability distributions	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=1NPBMF2T8Iw&list=PLp6ek2hDcoNBtK-hVSSPIbBzfxXwWON4x&index=2	Mrs.G.Ramya	97
9			Random experiment, sample space, axioms of probability, probability space.	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=1NPBMF2T8Iw&list=PLp6ek2hDcoNBtK-hVSSPIbBzfxXwWON4x&index=2	Mrs.G.Ramya	110

10		Conditional probability, independence of events.	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=caET-YiyYug&list=PLp6ek2hDcoNBtK-hVSSPlbBzfxXwWON4x&index=5	Mrs.G.Ramya	102
11	ANTENNAS WAVE & PROPAGATION	antenna	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=wx_tlvaaAI	Mr.M.Ranjith Reddy	95
12		Antenna Radiation Efficiency, Antenna Parameters	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=gud2VREiheU	Mr.M.Ranjith Reddy	105
13		Beam Angle & Beam Solid Angle	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=5Mu9FBiStt0&list=PLgwJf8NK-2e7tzLIDL4aXUbtRFY3ykmkT&index=7	Mr.M.Ranjith Reddy	98
14		Polarization - linear, Circular & Elliptical Polarization	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=Eg6NJZfxfA&list=PLgwJf8NK-2e7tzLIDL4aXUbtRFY3ykmkT&index=17	Mr.M.Ranjith Reddy	100
15		Reflection Coefficient and VSWR of	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=twZ0YbnQfDA&list=PLgwJf8NK-2e7tzLIDL4aXUbtRFY3ykmkT&index=25	Mr.M.Ranjith Reddy	110
16	ELECTRONIC MEASUREMENTS & INSTRUMENTATION	Introduction and PMMC Instrument	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=3eYmFjHnQjY&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6lpEio	Mr.A.Harish Kumar	109
17		Damping and Eddy Current Damping	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=6W-k9qSj5PU&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6lpEio&index=11	Mr.A.Harish Kumar	98
18		Sensitivity, Accuracy, and Resolution of Wheatstone Bridge	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=ip6P7-gT2OE&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6lpEio&index=26	Mr.A.Harish Kumar	102
19		Flux density measurement with Ballistic Galvanometer	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=gJtxcGEg5R0&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6lpEio&index=47	Mr.A.Harish Kumar	110
20		Connection of Energy Meter, Wattmeter, and Three Phase Supply	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=9nTjCEpZyo&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6lpEio&index=33	Mr.A.Harish Kumar	106
21		Introduction and Frequency Domain, Time domain concepts	Prof.Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=F3sIbE2r8vA&list=PLg-Gm0vRYwTgX2FkPvCY6io003-tz8Ru , https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	110

III

YEAR							
22	ANALOG COMMUNICATIONS	Discrete Fourier Series, Fourier and Inverse Fourier Transform	Prof. Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=klo-3f7Vio&list=PLq-Gm0yRYwTgX2FkPvcY6io003-tZd8Ru&index=5 , https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	97
23		Auto-Correlation of Signal, Duality Property of Fourier Transform	Prof. Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=1axf5-cMi5I&list=PLq-Gm0yRYwTgX2FkPvcY6io003-tZd8Ru&index=7 , https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	105
24		Modulation & Demodulation Techniques in Various Systems	Prof. Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=hnn_EhRjPa8&list=PLq-Gm0yRYwTgX2FkPvcY6io003-tZd8Ru&index=6 , https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	104
25		Bandwidth of FM Carson's Rule, Sampling, Aliasing, Nyquist Theorem	Prof. Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=m_IP3AiGfO8&list=PLq-Gm0yRYwTgX2FkPvcY6io003-tZd8Ru&index=37 , https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	96
26	LINEAR & DIGITAL IC APPLICATIONS	Introduction to IC fabrication, Sensors	Prof. Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=lv4Cj2A3ldw&list=PLuv3GM6-gsE3npYPJJDnEF3pdiH2T6Kj3&index=3	Ms.Y.Sreeja	104
27		Process flow for Fabrication of MOSFETs	Prof. Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=88eYPWShO5c&list=PLuv3GM6-gsE3npYPJJDnEF3pdiH2T6Kj3&index=11	Ms.Y.Sreeja	110
28		Operational Amplifier Characteristics	Prof. Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=SaJsl9_M1_w&list=PLuv3GM6-gsE3npYPJJDnEF3pdiH2T6Kj3&index=16	Ms.Y.Sreeja	105
29		Introduction to Passive and Active Filters and op-amp as Low Pass Filter	Prof. Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=W70GFpfilKk&list=PLuv3GM6-gsE3npYPJJDnEF3pdiH2T6Kj3&index=24	Ms.Y.Sreeja	98
30		Introduction to Oscillator, Noise and its Types	Prof. Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=YND4OujksA8&list=PLuv3GM6-gsE3npYPJJDnEF3pdiH2T6Kj3&index=33	Ms.Y.Sreeja	105
31		Introduction to Microwave and Transmission Line Theory	Prof. Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=NW1NXoM4q5c&list=PLwdnzIV3ogoUe3QVmrNzDTJYikG0IYji-	Dr. J.Narendra Babu	110

32	MICROWAVE ENGINEERING	Waveguides and Rectangular Waveguide, Circular, Attenuation	Prof. Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=k-zeCttEYVQ&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0IYj-&index=6	Dr. J. Narendra Babu	102
33		Scattering, Impedance Matrix	Prof. Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=oyegBQEA2e8&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0IYj-&index=11	Dr. J. Narendra Babu	110
34		Impedance Matching Using Shunt Stub, Double Stub and Quarter wave Transformer	Prof. Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=JWNvvTGoByc&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0IYj-&index=13	Dr. J. Narendra Babu	105
35		Transmission line resonators, Gunn, IMPATT Diodes and Varactor Diodes	Prof. Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=h-uD3IEOLbM&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0IYj-&index=25	Dr. J. Narendra Babu	95
41		CELLULAR AND MOBILE COMMUNICATION	Cellular system design and analysis	Prof. David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=B4FxbLvyk0o&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=9	Dr. P. Ramana nthan
42	Cellular Geometry & System Design		Prof. David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=28M558JVTd0&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=10	Dr. P. Ramana nthan	105
43	Rayleigh Fading and Statistical Characterization		Prof. David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=BKf2mN9W6Nk&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=15	Dr. P. Ramana nthan	98
44	BER in Fading, Narrowband vs Wideband Channels		Prof. David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=ZF09yI4Wonk&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=17	Dr. P. Ramana nthan	110
45	Channel State Information, Optimum Power Allocation		Prof. David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=3Y9xnUUBwvl&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=39	Dr. P. Ramana nthan	95

IV
YEAR



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE & Affiliated to JNTUH)

Chowdharyguda, Korremula(V),Ghatkesar (M),Medchal(D),TS-500088

DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING

AY 2017-18

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	Students Attended
1	II YEAR	Electrical Machines - I	Armature Reaction	Dr D Kastha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105017/	P.VARUN KUMAR	45
2			Compound DC generator	Dr D Kastha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105017/	P.VARUN KUMAR	42
3			Testing of DC Series Motor	Dr D Kastha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105017/	P.VARUN KUMAR	46
4			Dc shunt generator	Dr D Kastha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105017/	P.VARUN KUMAR	43
5			Commutation of Dc Machines	Dr D Kastha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105017/	P.VARUN KUMAR	48
11		Electrical Machines - II	fLux density distribution in space and nature emf	Prof tapas kumar bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105131/	SAIDA NAYAK	42
12			types of induction motor	Prof tapas kumar bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105131/	SAIDA NAYAK	45
13			circle diagram	Prof tapas kumar bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105131/	SAIDA NAYAK	41
14			synchronous motor construction	Prof tapas kumar bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105131/	SAIDA NAYAK	40
15			oc and sc test on synchronous generator	Prof tapas kumar bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105131/	SAIDA NAYAK	43
16		Switching Theory and Logical Design	Introduction	Prof Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105185/	G.SRINIVAS	39
17			BCD and Gray Code Representations	Prof Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105185/	G.SRINIVAS	45
18			Logic Gates	Prof Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105185/	G.SRINIVAS	42
19			Karnaugh Maps	Prof Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105185/	G.SRINIVAS	38
20			Design of Counters	Prof Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105185/	G.SRINIVAS	36
21	III YEAR	Static Drives	Electric Drives	Prof K Gopakumar	IISC Bangalore	https://nptel.ac.in/courses/108/108/108108077/	K.SRINIVAS	34
22			AC-DC Converter Close Loop Control Schematic	Prof K Gopakumar	IISC Bangalore	https://nptel.ac.in/courses/108/108/108108077/	K.SRINIVAS	41
23			DC Motor Speed Control - Block Diagram	Prof K Gopakumar	IISC Bangalore	https://nptel.ac.in/courses/108/108/108108077/	K.SRINIVAS	42
24			Space Vector PWM Signal Generation	Prof K Gopakumar	IISC Bangalore	https://nptel.ac.in/courses/108/108/108108077/	K.SRINIVAS	33
25			Effect of Seinting Time Lag In Inverter	Prof K Gopakumar	IISC Bangalore	https://nptel.ac.in/courses/108/108/108108077/	K.SRINIVAS	35
26		GTO,SCR,IGBT	Web Content	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105066/	K.SRINIVAS	32	
27		Power Electronics	Single phase fully controlled rectifier	Web Content	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105066/	MADHUKAR	41
28			Types of DC-DC Converters	Web Content	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105066/	MADHUKAR	33

29		AC to AC Voltage Converters	Web Content	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105066/	MADHUKAR	38	
30		sine PWM and its Realization	Web Content	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105066/	MADHUKAR	32	
31	PSA	Transmission line parameters	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	GANESH	36	
32		transmission line modelling	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	GANESH	34	
33		power flow studies	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	GANESH	39	
34		power system stability	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	GANESH	31	
35		bus impedane matrix	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	GANESH	37	
41		IV YEAR	Utilization of Electrical Energy	instructional Objectives	Prof K N Kishore	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105060/	B.MOUNIKA
42	Eye and Vision I			Prof K N Kishore	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105060/	B.MOUNIKA	36
43	Discharge Lamps I			Prof K N Kishore	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105060/	B.MOUNIKA	34
44	Interior Lighting			Prof K N Kishore	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105060/	B.MOUNIKA	38
45	conclusion on illumination engineering			Prof K N Kishore	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105060/	B.MOUNIKA	32
46	Flexiable AC Transmission System			Introduction of FACTS	Prof Avik Bhattacharya	IIT Roorkee	https://nptel.ac.in/courses/108/107/108107114/	B.DIVYA
47		Static VAR Compensator	Prof Avik Bhattacharya	IIT Roorkee	https://nptel.ac.in/courses/108/107/108107114/	B.DIVYA	33	
48		Statcom	Prof Avik Bhattacharya	IIT Roorkee	https://nptel.ac.in/courses/108/107/108107114/	B.DIVYA	31	
49		Series Compensator	Prof Avik Bhattacharya	IIT Roorkee	https://nptel.ac.in/courses/108/107/108107114/	B.DIVYA	36	
50		TCSC and UPFC	Prof Avik Bhattacharya	IIT Roorkee	https://nptel.ac.in/courses/108/107/108107114/	B.DIVYA	34	