2.3.2: Teachers use ICT enabled tools for effective teaching-learning process Subject Wise for Year 2018-19

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 CIVIL ENGINEERINGA.Y.2018-2019

SL NO	YEAR	SUBJECT	TOPIC	DATE	TIME	Professor Name	Professor Affiliation	Source	Name of the faculty	Students attended
1	II YEAR	Engineering geology	Importance of geology from civil engg point of view	1/7/2019	9:30-10:20	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.G.Shree Mahalakshmi	98
2			Structural geology	2/11/2019	9:30-10:20	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.G.ShreeMahalakshmi	93
3			Landslides causes and its effects	3/13/2019	9:30-10:20	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.G.Shree Mahalakshmi	94
4			Intruduction of geological hazards	4/8/2019	9:30-10:20	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.G.Shree Mahalakshmi	97
5			Geological consideration in selection ofdam	4/17/2019	9:30-10:20	Dr. Debasis Roy	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105106/	Mrs.G.Shree Mahalakshmi	89
6		Strength of materials-I	Introduction of simple stresses and strains	7/11/2018	11:10-12:00	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/1	Mr.H.Manjunatha	95
7			Definition of beam – Types of beams – Concept of shear force and bending moment	7/31/2018	3:10-4:00	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/22	Mr.H.Manjunatha	97
8			Theory of simple bending – Assumptions	8/8/2018	9:30-10:20	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/112105164/36	Mr.H.Manjunatha	112
9			Theory of pure torsion, assumptions made in theory of torsion	8/22/2018	3:10-4:00	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/18	Mr.H.Manjunatha	103
10			Deflection of beams	9/5/2018	3:10-4:00	Prof. S.K.Bhattacharyya	IIT Kharagpur	https://nptel.ac.in/courses/105105108/19	Mr.H.Manjunatha	98
11		Building materials and construction planning	Building stone classification and dressing	7/17/2018	10:20-11:10	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Ms.Narsamma	107
12			Admixtures mineral and chemical admixtures	8/24/2018	9:30-10:20	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Ms.Narsamma	98
13			Plumbing services	9/17/2018	9:30-10:20	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Ms.Narsamma	96
14			Brick masonry types	10/9/2018	10:20-11:10	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Ms.Narsamma	80

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15			Principles of building planning	11/5/2018	9:30-10:20	Prof Battacharjee	IIT Delhi	https://nptel.ac.in/courses/105/102/105102088/	Ms.Narsamma	112
16	III YEAR	Soil mechanics	Soil structures	1/14/2019	10:20-11:10	Dr. B.V.S. Viswanadham	IIT Bombay	https://nptel.ac.in/courses/105/101/105101084/	Mrs.S.Swapna	97
17			Grain Size distribution of soils.	2/7/2019	3:10-4:00	Dr. B.V.S. Viswanadham	IIT Bombay	https://nptel.ac.in/courses/105/101/105101084/	Mrs.S.Swapna	95
18			Sieve Analysis	2/21/2019	3:10-4:00	Dr. B.V.S. Viswanadham	IIT Bombay	https://nptel.ac.in/courses/105/101/105101084/	Mrs.S.Swapna	96
19			Clay mineralogy	3/18/2019	10:20-11:10	Dr. B.V.S. Viswanadham	IIT Bombay	https://nptel.ac.in/courses/105/101/105101084/	Mrs.S.Swapna	98
20			IS classification of soils	4/11/2019	3:10-4:00	Dr. B.V.S. Viswanadham	IIT Bombay	https://nptel.ac.in/courses/105/101/105101084/	Mrs.S.Swapna	97
21			Limit state analysis and design of T and L beam sections.	7/19/2018	11:10-12:00	Prof. N. Dhang	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105105/	MrJ.Mahipal	88
22			Limit state analysis and design of section for shear and torsion.	8/23/2018	11:10-12:00	Prof. N. Dhang	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105105/	MrJ.Mahipal	92
23		Design of Reinforced Concrete Structures	Detailing and Limit state design for serviceability for deflection, cracking and codal provision.	9/7/2018	2:30-3:10	Prof. N. Dhang	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105105/	MrJ.Mahipal	96
24			Design Of Footings – Isolated (square, rectangle)	9/27/2018	11:10-12:00	Prof. N. Dhang	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105105/	MrJ.Mahipal	94
25			Design of Two-way Slabs	10/19/2018	2:30-3:10	Prof. N. Dhang	IIT Kharagpur	https://nptel.ac.in/courses/105/105/105105105/	MrJ.Mahipal	95
26	IV YEAR	Transportation Engineering – II	Introduction to railway.	7/16/2018	12:00-12:50	Prof. Rajat Rastogi	IIT Roorkee	https://nptel.ac.in/courses/105107123/1	Dr.K.Jagadeesan	86
27			Introduction ofAirport engineering and airport site selection	8/8/2018	10:20-11:10	Prof. Rajat Rastogi	IIT Roorkee	https://nptel.ac.in/courses/105107123/27	Dr.K.Jagadeesan	80
28			Introduction of Port and horbour engineering.	9/12/2018	10:20-11:10	Prof. Rajat Rastogi	IIT Roorkee	https://nptel.ac.in/courses/105107123/29	Dr.K.Jagadeesan	84
29			Intelligent transport systems:ITS definition	9/24/2018	12:00-12:50	Prof. Rajat Rastogi	IIT Roorkee	https://nptel.ac.in/courses/105107123/30	Dr.K.Jagadeesan	87
30			Features of horbour,planning of horbour	10/3/2018	10:20-11:10	Prof. Rajat Rastogi	IIT Roorkee	https://nptel.ac.in/courses/105107123/31	Dr.K.Jagadeesan	89
31		Prestressed Concrete.	Prestressing System	1/9/2019	2:20-3:10	Dr.A.K.Sengupta	IIT Madras	https://nptel.ac.in/courses/105106118/1	Dr.M.Nithya	86
32			Friction & Anchorage Slip	15-02-1019	3:10-4"00	Dr.A.K.Sengupta	IIT Madras	https://nptel.ac.in/courses/105106118/9	Dr.M.Nithya	87
33			Analysis of Members Under Flexure	3/12/2019	2:30-3:10	Dr.A.K.Sengupta	IIT Madras	https://nptel.ac.in/courses/105106118/12	Dr.M.Nithya	83
34			Analysis of Flanged Sections	4/25/2019	3:10-4:10	Dr.A.K.Sengupta	IIT Madras	https://nptel.ac.in/courses/105106118/15	Dr.M.Nithya	82
35			Composite Sections	5/17/2019		Dr.A.K.Sengupta	IIT Madras	https://nptel.ac.in/courses/105106118/35	Dr.M.Nithya	81

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A.Y.2018-2019

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	Students Attended
1	II YEAR	DLD	Systems Design	Prof.D.Roy Choudhury	IIT Kharagpur	https://www.youtube.com/watch?v=ODanUZPr5GY&list=PLUtfVcb-iqn_wpppb	Mr.I.V.Prakash	70
2			Hazzard Covers by K Map	Prof.D.Roy Choudhury	IIT Kharagpur	https://www.youtube.com/watch?v=ODanUZPr5GY&list=PLUtfVcb-iqn_wpppb	Mr.I.V.Prakash	72
3			Introduction to Combinational Circu	Prof.D.Roy Choudhury	IIT Kharagpur	https://www.youtube.com/watch?v=ODanUZPr5GY&list=PLUtfVcb-iqn_wpppb	Mr.I.V.Prakash	72
4			Introduction to Logic Design with PL	Prof.D.Roy Choudhury	IIT Kharagpur	https://www.youtube.com/watch?v=ODanUZPr5GY&list=PLUtfVcb-iqn_wpppb	Mr.I.V.Prakash	72
5			Design of Sequential Modules	Prof.D.Roy Choudhury	IIT Kharagpur	https://www.youtube.com/watch?v=ODanUZPr5GY&list=PLUtfVcb-iqn_wpppb	Mr.I.V.Prakash	75
11		DBMS	Introduction to DBMS	Prof.Partha Pratim Dass	IIT Kharagpur	https://www.youtube.com/watch?v=SkT7jhPAQOE&list=PLIwC9bZ0rmjSkm1VR	Mrs.VNS.Manaswini	70
12			Introduction to SQL	Prof.Partha Pratim Dass	IIT Kharagpur	https://www.youtube.com/watch?v=w1XdPholzWY&list=PLIwC9bZ0rmjSkm1V	Mrs.VNS.Manaswini	72
13			ER MODEL	Prof.Partha Pratim Dass	IIT Kharagpur	https://www.youtube.com/watch?v=cx7rBTS2dBM&list=PLIwC9bZ0rmjSkm1VR	Mrs.VNS.Manaswini	72
14			Relational Data Base Design	Prof.Partha Pratim Dass	IIT Kharagpur	https://www.youtube.com/watch?v=K5jqNjnE-pE&list=PLIwC9bZ0rmjSkm1VRJ	Mrs.VNS.Manaswini	72
15			Storage and File Structure	Prof.Partha Pratim Dass	IIT Kharagpur	https://www.youtube.com/watch?v=QX2AfS5TDB4&list=PLIwC9bZ0rmjSkm1V	Mrs.VNS.Manaswini	75
16		JAVA	Introduction to Java	Prof.Debasis Samanta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105191/	Mr.T.Shiva Kumar	70
17			Java Applet Programming	Prof.Debasis Samanta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105191/	Mr.T.Shiva Kumar	72
18			Inheritance	Prof.Debasis Samanta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105191/	Mr.T.Shiva Kumar	72
19			Interface	Prof.Debasis Samanta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105191/	Mr.T.Shiva Kumar	72
20			Exception Handling	Prof.Debasis Samanta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106105191/	Mr.T.Shiva Kumar	75
26	III YEAR	DAA	Framework for Algorithms Analysis	Prof.Abhiram Ranade	IIT Bombay	https://www.youtube.com/watch?v=7KQf7f8ti1U&list=PL7DC83C6B3312DF1E	Dr.A.Satyanarayana	60
27			Asymptotic Notation	Prof.Abhiram Ranade	IIT Bombay	https://www.youtube.com/watch?v=7KQf7f8ti1U&list=PL7DC83C6B3312DF1E	Dr.A.Satyanarayana	60
28			Algorithm Design Techniques	Prof.Sunder Vishwanathan	IIT Bombay	https://www.youtube.com/watch?v=7KQf7f8ti1U&list=PL7DC83C6B3312DF1E	Dr.A.Satyanarayana	60
29			Divide And Conquer	Prof.Sunder Vishwanathan	IIT Bombay	https://www.youtube.com/watch?v=7KQf7f8ti1U&list=PL7DC83C6B3312DF1E	Dr.A.Satyanarayana	60
30			NP Completeness	Prof.Abhiram Ranade	IIT Bombay	https://www.youtube.com/watch?v=7KQf7f8ti1U&list=PL7DC83C6B3312DF1E	Dr.A.Satyanarayana	60
31		Compiler Design	An Overview of a Compiler	Prof.Y.N.Srikant	IISC Bangalore	https://www.youtube.com/watch?v=F3e5YXedFLo&list=PL3690D679B876DE6A	Mr.T.Upender	60
32			Run-Time Environments	Prof.Y.N.Srikant	IISC Bangalore	https://www.youtube.com/watch?v=F3e5YXedFLo&list=PL3690D679B876DE6A	Mr.T.Upender	60
33			Code Generation	Prof.Y.N.Srikant	IISC Bangalore	https://www.youtube.com/watch?v=F3e5YXedFLo&list=PL3690D679B876DE6A	Mr.T.Upender	60
34			Global Register Allocation	Prof.Y.N.Srikant	IISC Bangalore	https://www.youtube.com/watch?v=F3e5YXedFLo&list=PL3690D679B876DE6A	Mr.T.Upender	60
35			Introduction to Machine-Independe	Prof.Y.N.Srikant	IISC Bangalore	https://www.youtube.com/watch?v=F3e5YXedFLo&list=PL3690D679B876DE6A	Mr.T.Upender	60
41	IV YEAR	Mobile Computing	Introduction	Dr.Pushperndra Singh	IIT Delhi	https://www.youtube.com/watch?v=ytLkrvyIf6g&list=PLsK7K7rfGYke2ZfFugu2	Mr.N.Ajay	45
42			Java Basics	Dr.Pushperndra Singh	IIT Delhi	https://www.youtube.com/watch?v=ytLkrvyIf6g&list=PLsK7K7rfGYke2ZfFugu2	Mr.N.Ajay	45
43			Java: Strings, OOP principles	Dr.Pushperndra Singh	IIT Delhi	https://www.youtube.com/watch?v=ytLkrvyIf6g&list=PLsK7K7rfGYke2ZfFugu2	Mr.N.Ajay	46
44			Interfaces	Dr.Pushperndra Singh	IIT Delhi	https://www.youtube.com/watch?v=ytLkrvyIf6g&list=PLsK7K7rfGYke2ZfFugu2	Mr.N.Ajay	48
45			Classes, Exceptions, Threads	Dr.Pushperndra Singh	IIT Delhi	https://www.youtube.com/watch?v=ytLkrvyIf6g&list=PLsK7K7rfGYke2ZfFugu2	Mr.N.Ajay	46
46		CLOUD COMPUTING	Introduction to Cloud Computing	Dr.Rajiv Misra	IIT Patna	https://www.youtube.com/watch?v=A3FPxuKInkU&list=PLFW6lRTa1g82dte3Y	Mr.Sampath Korra	45
47			virtualization	Dr.Rajiv Misra	IIT Patna	https://www.youtube.com/watch?v=AkST9AO01x0&list=PLFW6lRTa1g82dte3Y	Mr.Sampath Korra	46
48			Hotspot Mitigation for Virtual Mach	Dr.Rajiv Misra	IIT Patna	https://www.youtube.com/watch?v=-gcROeHOH9s&list=PLFW6lRTa1g82dte3Y	Mr.Sampath Korra	46
49			Geo-Distributed Cloud Data Centers	Dr.Rajiv Misra	IIT Patna	https://www.youtube.com/watch?v=dKUXo6z6Q88&list=PLFW6lRTa1g82dte3Y	Mr.Sampath Korra	48
50			P2P Systems in Cloud Computing	Dr.Rajiv Misra	IIT Patna	https://www.youtube.com/watch?v=_-pB_YwwkMA&list=PLFW6lRTa1g82dte3	Mr.Sampath Korra	48

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A.Y.2018-2019

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	Students Attended
1	II / I	ANALOG ELECTRONICS	Introduction to Analog Electronics	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=N3b0tDjxR8Y , https://nptel.ac.in/courses/108/102/108102095/	Dr.Narendra Babu	105
2			BJT Power Amplifiers	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=Xoo6QlQW0DE&list=PL2D75EC7EC87B37E0&index=2 , https://nptel.ac.in/courses/108/102/108102095/	Dr.Narendra Babu	104
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/	Dr.Narendra Babu	102
4			Low Frequency Response of Small Signal Amplifiers	Prof.S.C.Datta Roy	IIT Delhi	https://www.youtube.com/watch?v=xL8hQ1pHjC0 , https://nptel.ac.in/courses/108/102/108102095/	Dr.Narendra Babu	101
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/	Dr.Narendra Babu	95
6	II / I	SIGNALS AND STOCHASTIC PROCESS	Discrete probability distributions	Prof.S.Dharmaraja	IITMadras	https://www.youtube.com/watch?v=6x1pL9Yov1k&list=PLp6ek2hDcoNBtK-hVSSPlbBzfxXwWON4x&index=4	Mr.G.Srinivas	110
7			Stochastic processes	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=FWe5uk5NA5I	Mr.G.Srinivas	114
8			Continuous probability distributions	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=1NPBMF2T8Iw&list=PLp6ek2hDcoNBtK-hVSSPlbBzfxXwWON4x&index=2	Mr.G.Srinivas	110
9			Random experiment, sample space, axioms of probability, probability space.	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=1NPBMF2T8Iw&list=PLp6ek2hDcoNBtK-hVSSPlbBzfxXwWON4x&index=2	Mr.G.Srinivas	110
10			Conditional probability, independence of events.	Prof.S.Dharmaraja	IIT Madras	https://www.youtube.com/watch?v=caET-YjyYug&list=PLp6ek2hDcoNBtK-hVSSPlbBzfxXwWON4x&index=5	Mr.G.Srinivas	102
11			Fundamentals of antenna	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=wx_tIvaajAI	Mr.M.Ranjith Reddy	82
12			Antenna Radiation Efficiency, Antenna Parameters	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=gud2VREjheU	Mr.M.Ranjith Reddy	81

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13	III / I	ANTENNAS WAVE & PROPAGATION	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	84
14			Polarization - linear, Circular & Elliptical Polarization	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=Eq6NJZfqxfA&list=PLgwJf8NK-2e7tzLIDL4aXUbtRFY3ykmkT&index=17	Mr.M.Ranjith Reddy	81
15			Reflection Coefficient and VSWR of Antenna	Prof.Girish Kumar	IIT Bombay	https://www.youtube.com/watch?v=twZ0YbnQfDA&list=PLgwJf8NK-2e7tzLIDL4aXUbtRFY3ykmkT&index=25	Mr.M.Ranjith Reddy	82
16	III / I	ELECTRONIC MEASUREMENTS & INSTRUMENTATION	Introduction and PMMC Instrument	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=3eYmFjHnQjY&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6IpEio	Mr K.Rajesh	84
17			Damping and Eddy Current Damping	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=6W-k9qSj5PU&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6IpEio&index=11	Mr K.Rajesh	81
18			Sensitivity, Accuracy, and Resolution of Wheatstone Bridge	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=ip6P7-gT2OE&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6IpEio&index=26	Mr K.Rajesh	82
19			Flux density measurement with Ballistic Galvanometer	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=gJtxcGEg5R0&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6IpEio&index=47	Mr K.Rajesh	79
20			Connection of Energy Meter, Wattmeter, and Three Phase Supply	Prof.Avishek Chatterjee	IIT Kharagpur	https://www.youtube.com/watch?v=9nTjCEpPZyo&list=PLbRMhDVUMngcoKrA4sH-zvbNVSE6IpEio&index=33	Mr K.Rajesh	85
21	III / I	ANALOG COMMUNICATIONS	Introduction and Frequency Domain,Time domain concepts	Prof.Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=F3sIBe2r8vA&list=PLq-Gm0yRYwTgX2FkPVcY6io003-tZd8Ru,https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	79
22			Discrete Fourier Series,Fourier and Inverse Fourier Transform	Prof.Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=kIIo-3f7Vio&list=PLq-Gm0yRYwTgX2FkPVcY6io003-tZd8Ru&index=5, https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	85
23			Auto-Correlation of Signal,Duality Property of Fourier Transform	Prof.Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=1axf5-cMj5I&list=PLq-Gm0yRYwTgX2FkPVcY6io003-tZd8Ru&index=7, https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	84
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	81
25			Bandwidth of FM Carson's Rule,Sampling, Aliasing, Nyquist Theorem	Prof.Aditya.k Jaganadham	IIT Kanpur	https://www.youtube.com/watch?v=mIP3AiGfO8&list=PLq-Gm0yRYwTgX2FkPVcY6io003-tZd8Ru&index=37, https://nptel.ac.in/courses/117/105/117105143/	Mr.A.Srinivas Reddy	82

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26	III / I	LINEAR & DIGITAL IC APLLICATIONS	Introduction to IC fabrication,Sensors	Prof.Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=Iv4Cj2A3Idw&list=PLuv3GM6-gsE3npYPJJDnEF3pdiHZT6Kj3&index=3	Ms.Y.Sreeja	79
27			Process flow for Fabrication of MOSFETs	Prof.Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=88eYPWShO5c&list=PLuv3GM6-gsE3npYPJJDnEF3pdiHZT6Kj3&index=11	Ms.Y.Sreeja	85
28			Operational Amplifier Characteristics	Prof.Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=5aJsL9_M1_w&list=PLuv3GM6-gsE3npYPJJDnEF3pdiHZT6Kj3&index=16	Ms.Y.Sreeja	84
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-gsE3npYPJJDnEF3pdiHZT6Kj3&index=24	Ms.Y.Sreeja	81
30			Introduction to Oscillator,Noise and its Types	Prof.Hardhik J Pandya	IISc Bangalore	https://www.youtube.com/watch?v=YND4OujskA8&list=PLuv3GM6-gsE3npYPJJDnEF3pdiHZT6Kj3&index=33	Ms.Y.Sreeja	82
31	IV / I	MICROWAVE ENGINEERING	Introduction to Microwave and Transmission Line Theory	Prof.Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=NW1NXoM4q5c&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0lYjj-	Dr.Y.Vasantha Rao	57
32			Waveguides and Rectangular Waveguide,Circular,Attenuation	Prof.Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=k-zeCttEYVQ&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0lYjj-&index=6	Dr.Y.Vasantha Rao	55
33			Scattering ,Impedence Matrix	Prof.Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=oyegBQEA2e8&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0lYjj-&index=11	Dr.Y.Vasantha Rao	56
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=PLwdnzlV3ogoUe3QVmRNzDTJYikG0lYjj-&index=13	Dr.Y.Vasantha Rao	52
35			Tansmission line resonators,Gunn, IMPATT Diodes and Varactor Diodes	Prof.Ratnajit Bhattacharjee	IIT Guwahathi	https://www.youtube.com/watch?v=h-uD3IEOLbM&list=PLwdnzlV3ogoUe3QVmRNzDTJYikG0lYjj-&index=25	Dr.Y.Vasantha Rao	51
36	IV / I	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.R.Velmani	55
37			Cellular Geometry & System Design	Prof.David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=28M558JVTd0&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=10	Dr.R.Velmani	56
38			Rayleigh Fading and Statistical Characterization	Prof.David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=BKf2mN9W6Nk&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=15	Dr.R.Velmani	52
39			BER in Fading, Narrowband vs Wideband Channels	Prof.David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=ZF09yl4Wonk&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=17	Dr.R.Velmani	51
40			Channel State Information, Optimum Power Allocation	Prof.David Koilpillai	IIT Madras	https://www.youtube.com/watch?v=3Y9xnUUBwvI&list=PLuv3GM6-gsE3ypUYh43pPuZsXxJVG1e7F&index=39	Dr.R.Velmani	50
41	II / II	SWITCHING THEORY AND	REVIEW OF NUMBER SYSTEMS	Prof. Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106	Mr.A.Harish Kumar	185
42			HE KARNAUGH MAP METHO	Prof. Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106	Mr.A.Harish Kumar	150
43			DESIGN OF COMBINATIONAL LOGIC	Prof. Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106	Mr.A.Harish Kumar	120

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44		LOGIC DESIGN	FLIP FLOPS:SR,JK,T,D	Prof. Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106	Mr.A.Harish Kumar	110
45			NTIAL CIRCUITS:MELAY AND MOORE	Prof. Indranil Sengupta	IIT Kharagpur	https://nptel.ac.in/courses/106/105/106	Mr.A.Harish Kumar	115
46	III / II	DIGITAL SYSTEM DESIGN	BOOLEAN ALGEBRA:BASIC THEORAMS AND PROPERTIES	Prof. D. Roychoudhury	IIT Kharagpur	https://nptel.ac.in/courses/117/105/117	Dr.Ayesha Firdous	84
47			K- MAP	Prof. D. Roychoudhury	IIT Kharagpur	https://nptel.ac.in/courses/117/105/117	Dr.Ayesha Firdous	86
48			COMBINATIONAL CIRCUITS	Prof. D. Roychoudhury	IIT Kharagpur	https://nptel.ac.in/courses/117/105/117	Dr.Ayesha Firdous	87
49			S-R,J-K,T,D FLIP FLOPS	Prof. S. Srinivasan	IIT Madras	https://nptel.ac.in/courses/117/106/117	Dr.Ayesha Firdous	82
50			SHIFT REGISTERS	Prof. S. Srinivasan	IIT Madras	https://nptel.ac.in/courses/117/106/117	Dr.Ayesha Firdous	85
51	III / II	MICRO PROCESSORS AND MICRO CONTROLLERS	8086 ARCHITECTURE-REGISTER ORGANISATION-MICRO PROCESSOR	Prof. Santanu Chattopadhyay	IIT Kharagpur	s://nptel.ac.in/courses/108/105/108105	Mr.G.Srinivas	82
52			8051 ARCHITECTURE -MICRO CONTROLLER	Prof. Santanu Chattopadhyay	IIT Kharagpur	s://nptel.ac.in/courses/108/105/108105	Mr.G.Srinivas	81
53			ARM ARCHITECTURE-PIPELINE	Prof. Santanu Chattopadhyay	IIT Kharagpur	s://nptel.ac.in/courses/108/105/108105	Mr.G.Srinivas	82
54			KEYBOARD INTERFACE TO 8051	Prof. Shaik Rafi Ahamed	IIT Guwahati	s://nptel.ac.in/courses/108/103/108103	Mr.G.Srinivas	85
55			I/O INTERFACE TO 8051	Prof. Shaik Rafi Ahamed	IIT Guwahati	s://nptel.ac.in/courses/108/103/108103	Mr.G.Srinivas	84
56	IV / II	SATELLITE COMMUNICATION	CONCEPTS OF SATELLITE COMMUNIC	Prof. Kalyankumar Bandyopadhya	IIT Kharagpur	s://nptel.ac.in/courses/117/105/117105	Dr.J.NarendraBabu	57
57			ORBITAL MECHANICS	Prof. Kalyankumar Bandyopadhya	IIT Kharagpur	s://nptel.ac.in/courses/117/105/117105	Dr.J.NarendraBabu	55
58			SATELLITE DOEN LINKS,UP LINKS	Prof. Kalyankumar Bandyopadhya	IIT Kharagpur	s://nptel.ac.in/courses/117/105/117105	Dr.J.NarendraBabu	56
59			FREQUENCY DIVISION MULTIPLE ACCESS	Prof. Kalyankumar Bandyopadhya	IIT Kharagpur	s://nptel.ac.in/courses/117/105/117105	Dr.J.NarendraBabu	52
60			GPS POSITION AND LOCATION PRINCIPLES	Prof. Kalyankumar Bandyopadhya	IIT Kharagpur	s://nptel.ac.in/courses/117/105/117105	Dr.J.NarendraBabu	52
61	IV / II	WIRELESS COMMUNICATION NETWORKS	FREQUENCY REUSE	Prof. Ranjan Bose	IIT Delhi	ps://nptel.ac.in/courses/117/102/117102	Dr. V.Ranganathan	56
62			RADIO WAVE PROPAGATION	Prof. Ranjan Bose	IIT Delhi	ps://nptel.ac.in/courses/117/102/117102	Dr. V.Ranganathan	54
63			DIVERSITY TECHNIQUES	Prof. Ranjan Bose	IIT Delhi	s://nptel.ac.in/courses/117/102/117102	Dr. V.Ranganathan	56
64			EAR EQUALIZER,NON LINEAR EQUALI	Prof. Ranjan Bose	IIT Delhi	s://nptel.ac.in/courses/117/102/117102	Dr. V.Ranganathan	52
65			YPES OF WIRELESS COMMUNICATIO	Prof. Ranjan Bose	IIT Delhi	s://nptel.ac.in/courses/117/102/117102	Dr. V.Ranganathan	51
66	IV / II	RADAR SYSTEMS	SIMPLE FORM OF RADAR EQUATION	Dr. Amitabha Bhattacharya	IIT Kharagpu	s://nptel.ac.in/courses/108/105/108105	Dr.P.Ramananthan	57
67			CW RADAR	Dr. Amitabha Bhattacharya	IIT Kharagpu	s://nptel.ac.in/courses/108/105/108105	Dr.P.Ramananthan	55
68			MTI RADAR	Dr. Amitabha Bhattacharya	IIT Kharagpu	s://nptel.ac.in/courses/108/105/108105	Dr.P.Ramananthan	52
69			TRACKING WITH RADAR	Dr. Amitabha Bhattacharya	IIT Kharagpu	s://nptel.ac.in/courses/108/105/108105	Dr.P.Ramananthan	52
70			DETECTION IN RADAR RECEIVER	Dr. Amitabha Bhattacharya	IIT Kharagpu	s://nptel.ac.in/courses/108/105/108105	Dr.P.Ramananthan	51
71	III / II	ANTENNAS AND WAVE PROPAGATION	ANTENNA PARAMETERS :RADIATED POWER,RADIATION PATTERN , FIELD REGIONS	Dr. Amalendu Patnaik	IIT Roorkee	https://nptel.ac.in/courses/117/107/117107035/	Dr. Y.Vasantha Rao	84
72			HALF WAVE DIPOLE AND ITS PROPERTISE	Dr. Amalendu Patnaik	IIT Roorkee	https://nptel.ac.in/courses/117/107/117107035/	Dr. Y.Vasantha Rao	82
73			RELATION BETWEEN WIRE AND APERTURE ANTENNAS,HORN ANTENNA DESIGN PRINCIPLES	Dr. Amalendu Patnaik	IIT Roorkee	https://nptel.ac.in/courses/117/107/117107035/	Dr. Y.Vasantha Rao	81
74			PRINCIPLES OF FREQUENCY-INDEPENDENT ANTENNA	Dr. Amalendu Patnaik	IIT Roorkee	https://nptel.ac.in/courses/117/107/117107035/	Dr. Y.Vasantha Rao	83

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75			N-ELEMENT ARRAY,UNIFORM ARRAY,ARRAY FACTOR	Dr. Amalendu Patnaik	IIT Roorkee	https://nptel.ac.in/courses/117/107/117107035/	Dr. Y.Vasantha Rao	84
76	III / II	DIGITAL SIGNAL PROCESSING	INTRODUCTION TO DIGITAL SIGNAL PROCESSING ,LTI SYSTEMS	Prof. V. M. Gadre	IIT Bombay	https://nptel.ac.in/courses/108/101/108101174/	Dr. G.Sudhakar	82
77			DISCRETE TIME FOURIER TRANSFORM	Prof. V. M. Gadre	IIT Bombay	https://nptel.ac.in/courses/108/101/108101174/	Dr. G.Sudhakar	83
78			Z-TRANSFORM	Prof. V. M. Gadre	IIT Bombay	https://nptel.ac.in/courses/108/101/108101174/	Dr. G.Sudhakar	84
79			STEPS FOR FIR FILTER DESIGN	Prof. V. M. Gadre	IIT Bombay	https://nptel.ac.in/courses/108/101/108101174/	Dr. G.Sudhakar	81
80			BUTTER WORTH FILTER DERIVATION AND ANALYSIS	Prof. V. M. Gadre	IIT Bombay	https://nptel.ac.in/courses/108/101/108101174/	Dr. G.Sudhakar	82

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DEPARTMENT OF ELECTRICAL and ELECTRONICS ENGINEERING

A.Y.2018-2019

SL NO	YEAR	SUBJECT	TOPIC	Professor Name	Professor Affiliation	source	Name of the Faculty	STUDENTS Attended
1	II YEAR	EMF	Guass's Law	Prof K Pradeep Kumar	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104087/	P. VARUN KUMAR	45
2			Poissons's Equation	Prof K Pradeep Kumar	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104087/	P. VARUN KUMAR	48
3			Displacement Vectors	Prof K Pradeep Kumar	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104087/	P. VARUN KUMAR	43
4			Amperes Law	Prof K Pradeep Kumar	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104087/	P. VARUN KUMAR	48
5			Stokes Theorems	Prof K Pradeep Kumar	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104087/	P. VARUN KUMAR	56
11		NT	Energy Stored in Inductor with Example	Prof Tapas Kumar Bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105159/	GANESH NOMULA	42
12			RL Series Circuit	Prof Tapas Kumar Bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105159/	GANESH NOMULA	45
13			RL circuit with Sinusoidal Exictation	Prof Tapas Kumar Bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105159/	GANESH NOMULA	46
14			Laplace Transforms Applied for Circuit Analysis	Prof Tapas Kumar Bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105159/	GANESH NOMULA	39
15			Graph Theory Applied in Network Analysis	Prof Tapas Kumar Bhattacharya	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105159/	GANESH NOMULA	41
16		CS	Second order system	Prof CS Shankar Ram	IIT Madras	https://nptel.ac.in/courses/107/106/107106081/	N.GANESH	52
17			rouths stability criteria	Prof CS Shankar Ram	IIT Madras	https://nptel.ac.in/courses/107/106/107106081/	N.GANESH	54
18			Root locus	Prof CS Shankar Ram	IIT Madras	https://nptel.ac.in/courses/107/106/107106081/	N.GANESH	50
19			state space representation	Prof CS Shankar Ram	IIT Madras	https://nptel.ac.in/courses/107/106/107106081/	N.GANESH	57
20			Bode plot	Prof CS Shankar Ram	IIT Madras	https://nptel.ac.in/courses/107/106/107106081/	N.GANESH	48
26		PSA	Transmision line parameters	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	Pavani	52
27			transmission line modelling	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	Pavani	53
28			power flow studies	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	Pavani	48

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29	III YEAR		power system stability	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	Pavani	47
30			bus impedane matrix	Prof A K Sinha	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105067/	Pavani	43
31		EMS	PMMC Instruments	Prof Avishek Chatterjee	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105153/	T Sowmya	55
32			Ammeter and Voltmeters	Prof Avishek Chatterjee	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105153/	T Sowmya	57
33			kelvin double bridge	Prof Avishek Chatterjee	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105153/	T Sowmya	49
34			AC Bridges	Prof Avishek Chatterjee	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105153/	T Sowmya	48
35			single phase energy meter	Prof Avishek Chatterjee	IIT Kharagpur	https://nptel.ac.in/courses/108/105/108105153/	T Sowmya	50
36	IV YEAR	HVE	Importance of Electric Field Intensity in the Dielectrics	web content type	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104048/	A Naresh	57
37			Development of Electron Avalanche	web content type	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104048/	A Naresh	45
38			Electrostatic voltmeters principle and construction	web content type	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104048/	A Naresh	42
39			potential diciders their types and applications	web content type	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104048/	A Naresh	52
40			classifications and properties of solid dielectrics	web content type	IIT Kanpur	https://nptel.ac.in/courses/108/104/108104048/	A Naresh	54
41		RES	Conventional sources of energy	Prof Prathap Haridoss	IIT Madras	https://nptel.ac.in/courses/121/106/121106014/	Pallavi	46
42			solar cell	Prof Prathap Haridoss	IIT Madras	https://nptel.ac.in/courses/121/106/121106014/	Pallavi	50
43			wind energy : design and considerations	Prof Prathap Haridoss	IIT Madras	https://nptel.ac.in/courses/121/106/121106014/	Pallavi	44
44			ocean thermal energy	Prof Prathap Haridoss	IIT Madras	https://nptel.ac.in/courses/121/106/121106014/	Pallavi	50
45			biomass usage and issues	Prof Prathap Haridoss	IIT Madras	https://nptel.ac.in/courses/121/106/121106014/	Pallavi	44

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