JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE	**JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE** **Shri Ram Ki Nangal, Via-Vatika,Tonk Road** **Jaipur -302022**	**Academic year (2020-2021)**
Department of Electronics & Communication Engineering		

Sr. No	**Description**		**Remarks**
1.	**Total area of Library (in Sqr mtr)**		**30 X 15 Feet =41.80m2**
2.	**Total Seating Capacity**	**22**	
3.	**Adequate sign Boards**		**Yes**

4. Details of Print (Books back volumes)

Sr. No	Books Titles	Name of Auothors	No of Copies
1	Analog Integrated Circuit	R.S. Tomar	1
2.	Antenna and Wave Pro.	Mahandra Singh Meena	1
3.	Advance Engineering math	Kamlesh Gupta	1
4.	Bio Medical	Jitendra Jain Neeraj	1
5.	Communication System	Simon Hyaline	1
6.	Computer Networks	TINER	1
7.	Computer Aided for VLSI	TINER Simon	7
8.	Circuit Analysis	C.V Vardhani	1
9.	Data Communication Network	Y.V. Chavan	1
10.	Digital Communication	Kami lo Feher	1
11.	Digital Integrated Circuits	A.K. Gautam	2
12.	Data Base Management System	Suresh Fatehpuria	1
13.	Digital Signal Processing	Manish Jain, Gaurav	1
14.	Digital Signal Processing	S Palani Kalaiyarsi	1
15.	Digital Communication	Tara Birla Joyti Sharma	2
16.	Digital Signal Processing	Heema Gupta, Gajanand	1
17.	Digital Design	P Raja	1
18.	Digital Electronics	V.K. Jain Arti	1
19.	Digital Electronics	Dinesh Sethi, Abhishek	1

20.	Digital Electronics	Sanjay Sharma	1
21.	Digital Logic	M. Mcries Mano	1
22.	Digital Circuit	S. Salivanan	2
23.	Digital Communication	Sanjay Sharma	1
24.	Electromagnetic	Johan D.Krause	1
25.	Electronic Communication	Robert J Schoene	1
26	Electro Magnetic	P.V Gupta	1
27	Electronic Measuring Instrument	Sandeep Joshi	1
28.	Electrical and Electronics Engineering	K.R. Nizai	1
29.	Electronic Device and Circle	Gupta Sharma	1
30.	EMMI	Kshitij Singhal	1
31.	Electrical and Electronics	H. P, Tiwari	1
32.	Electronics Measurement and Ins.	U. S. Shah	1
33.	Engineering and Mathematics	Jain and Rawat	1
34.	Embedded Systems	Tapan V Nahar	1
35.	Electrometric field Theory	Dr. R.S. Tiwari Mukesh	1
36.	Environment Engineering	Devendra Agarwal	1
37.	Eltomatic Preparation	Sumita Gupta	1
38.	Feedback and Control System	Josfph, AILFN	1
39.	Hysteresis Machines	N.D. Sharma	1
40.	Introduction of Communication	Semil, Senal	1
41.	Introduction of Communication	John. R. Pierice	1
42.	Industrial Electronics	A.H. Khan Ramnath	1
43.	LIC	Ira Joshi	1
44.	Micro Controller data base	National Semiconductor	3
45.	Microprocessor Architecture 8085	Ramesh Gaonkar	2
46.	Modern Communication Systems	R F W Coates	1
47.	Microwave Engineering	V.S. Bagad	1
48.	Microprocessor and Interfacing	Nikihil Marriwala	1
49.	Multimedia System	Ajeet Singh Punia	1
50.	Microwave Engineering II	Sunit Pacli for	2
51.	Microwave Engineering I	Sumit Gupta, Alok Panday	1
52.	Microwave Engineering I	Vinit Chauhan	1
53.	Microwave Engineering	Annpurna Das	1

54.	Microwave Engineering II	Arachonu Agarwal Sachin	2
55.	Industrial Electronics	A.H. Khan Ramnath	1
56.	National conference	ECE Dept.	20
57.	Power Electronics	B.R. Gupta	1
58.	Principle of VLSI Design	Joyti Sharma	2
59.	Radio Engineering	H.P. Westman	1
60.	RCA Transm Hung Tube	N.J. Harrison	1
61.	Radio Engineering	Pitman	1
62.	RVSP	Jain and Rawat	1
63.	Radar T.V Engineering	Amita Yadav Neha Jain	2
64.	Software Engineering	Shalini Puri	1
65.	Switching Theory and Design	M.V. Subramanyam	1
66.	Switching Theory	V. K. Sunan	1
67.	Solved Question Paper	PEARSUM	1
68.	Solved Paper	N.K Publication	1
69.	TTL Data Book	K D Publication	1
70.	VLSI Technology	Swata Pandey, Manoj	1
71.	VLSL Design	S.K Mehrotra	1
72.	VLSL	Dr. R.K. Singh	1
73.	VLSI Design	Joyti Sharma	1
74.	Wireless Communication	U.S. Moclami	1
75.	Wireless Communication	Dhearaj Joshi	1
76.	8085 Micro Controller	B.P. Singh Renw	2

5. Details of non Print (audio, Video, CD's, Downloaded Articles 142

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NPTEL Online Video Lecture Link

S. No.	Subject	Topic	Link
1	Advanced Engineering Mathematics-I	Review Groups, Fields and Matrices Vector Spaces, Subspaces, Linearly Dependent/Independent of Vectors Basis, Dimension, Rank and Matrix Inverse Linear Transformation, Isomorphism and Matrix Representation System of Linear Equations, Eigenvalues and Eigenvectors	https://nptel.ac.in/courses/111/105/111105035/
2	Technical Communication	An Introduction to the Course Communication Skills Introduction Introduction	https://nptel.ac.in/courses/109/106/109106094/
3	Managerial Economics and Financial Accounting	L1-Introduction to Managerial Economics L2-Introduction to Managerial Economics [Contd ...] L3-Introduction to Managerial Economics [Contd ...] L4-Basic Tools of Economic Analysis and Optimization Techniques L5-Basic Tools of Economic Analysis and Optimization Techniques [Contd ...]	https://nptel.ac.in/courses/110/101/110101005/ https://nptel.ac.in/courses/110/106/110106147/
4	Digital System Design	Introduction to Digital Systems Design Introduction Digital Logic - I Digital Logic - II Digital Logic - III Boolean Algebra Boolean Algebra Boolean Function Minimization	https://nptel.ac.in/courses/117/105/117105080/ https://nptel.ac.in/courses/108/106/108106177/
5	Signal & Systems	Signals and Systems	https://nptel.ac.in/courses/117/104/117104074/ https://nptel.ac.in/courses/108/106/108106163/
6	Network Theory	Review of Signals and Systems Review of Signals and Systems Network Equations; Initial and Final Conditions Problem Session1 Step, Impulse and Complete Responses 2nd Order Circuits:Magnetically	https://nptel.ac.in/courses/108/102/108102042/ https://nptel.ac.in/courses/108/105/108105159/

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7	**Electronics Devices**	**Introduction on Solid State Devices** **Evolution and Uniqueness of Semiconductor** **Equilibrium Carrier Concentration** **Equilibrium Carrier Concentration** **Equilibrium Carrier Concentration** **Equilibrium Carrier Concentration** **Equilibrium Carrier Concentration** **Equilibrium Carrier Concentration**	**https://nptel.ac.in/courses/117/102/117102061/** **https://nptel.ac.in/courses/117/106/117106091/**
8	**Advanced Engineering Mathematics-II**	**Review Groups, Fields and Matrices**	**https://nptel.ac.in/courses/111/105/111105035/**
9	**Managerial Economics and Financial Accounting**	**L1-Introduction to Managerial Economics**	**https://nptel.ac.in/courses/110/101/110101005/** **https://nptel.ac.in/courses/110/106/110106147/**
10	**Technical Communication**	**Modules / Lectures** **Communication Skills Introduction**	**https://nptel.ac.in/courses/109/104/109104031/** **https://nptel.ac.in/courses/109/106/109106094/**
11	**Analog Circuits**	**Introduction op-Amps** **Poles and zeros OP-AMPs** **Application of Op-Amps** **Inverting amplifier and Non Inverting amplifier**	**https://nptel.ac.in/courses/108/101/108101094/** **https://nptel.ac.in/courses/108/106/108106084/** **https://nptel.ac.in/courses/117/107/117107094/**
12	**Microcontrollers**	**Introduction to Microcontrollers & Microprocessors** **Basic Architectures of Microcontrollers** **Processor Types & Memory Structures** **Organization of Data Memory**	**https://nptel.ac.in/courses/117/104/117104072/** **https://nptel.ac.in/courses/106/108/106108100/**
13	**Electronics Measurement & Instrumentation**	**PMMC Instruments (Main)** **Electrodynamic Instrument (Main)** **Demonstration of PMMC and Electrodynamic Instruments (Additional Practical Demonstration)** **Features of PMMC and Electrodynamic Instruments (Main)**	**https://nptel.ac.in/courses/108/102/108102120/**
14	**Analog and Digital Communication**	**Introduction** **Signal Spaces : Waveforms & Vector Spaces** **Inner Product & Orthogonal Expansion**	**https://nptel.ac.in/courses/117/105/117105143/** **https://nptel.ac.in/courses/108/102/108102096/**
15	**Computer Architecture**	**Introduction to Computer Architecture** **History of Computers**	**https://nptel.ac.in/courses/106/102/106102062/**

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16	**Electromagnetic Waves**	**Introduction To Vector Introduction To Vector (Continued) Coulomb's Law Electric Field Electro Static Potential The Gradient Gauss's Law Poisson's Equation Energy In The Field Sample Problems In Electrostatics Fields In Materials Fields In Material Bodies Displacement Vectors**	**https://nptel.ac.in/courses/108/106/108106073/**
17	**Control system**	**Introduction to Systems and Control Modelling of Systems Elements of Modelling Examples of Modelling Solving Problems in Modelling of Systems.**	**https://nptel.ac.in/courses/108/106/108106098/**
19	**Digital Signal Processing**	**Discrete Time Signal and System Discrete Time Signal and System (Contd...) Discrete Time Signal and System (Contd...) Frequency Domain Representation of Discrete Signals Z-Transform Z-Transform (Contd...) Solution of Difference Equation**	**https://nptel.ac.in/courses/108/105/108105055/**
20	**Microwave Theory &**	**Introduction Mircowave**	**https://nptel.ac.in/courses/108/101/108101112/**
21	**Satellite Communication**	**Introduction Orbit – 1Orbit – 2 Orbit – 3**	**https://nptel.ac.in/courses/117/105/117105131/**
22	**Power Electronics**	**Power Electronics Constructional Features, Operating Principle, Characteristics and Specification of Power Semiconductor Diode Power Bipolar Junction Transistor (BJT) Thyristors and Triacs Gate Turn Off Thyristor (GTO) Metal Oxide Semiconductor Field Effect Transistor (MOSFET)**	**https://nptel.ac.in/courses/108/105/108105066/**

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23	**Computer Network**	**Introduction to Computer Networks â€“ A brief history Data Networks â€“ from Circuit Switching Network to Packet Switching Network Network Protocol Stack Services at the Different Layers of the Protocol Stack**	**https://nptel.ac.in/courses/106/105/106105183/**
24	**Fiber Optics Communications**	**Introduction to FOCT: Prerequisites, Course Content and Learning Outcomes Communication through the ages Communication: Basics 1 Communication: Basics 2 Digital Communication for Optical Communication**	**https://nptel.ac.in/courses/108/106/108106167/**
25	**Antennas and Propagation**	**Antenna Introduction-I Antenna Introduction-II Antenna Introduction-III Antenna Fundamentals Antenna Fundamentals-II**	**https://nptel.ac.in/courses/108/101/108101092/**
26	**Information theory and coding**	**Introduction to Information Theory Entropy, Mutual Information, Conditional and Joint Entropy Measures for Continuous, Random Variable, Relative Entropy**	**https://nptel.ac.in/courses/108/102/108102117/**
27	**Introduction to MEMS**	**Introduction to MEMS & Microsystems Introduction to Microsensors Evaluation of MEMS, Microsensors, Market Survey Application of MEMS MEMS Materials MEMS Materials Properties MEMS Materials Properties (Contd.)**	**https://nptel.ac.in/courses/117/105/117105082/**

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Swyam Link

National digital library web courses video link			
Sr. No.	Subject	Topic	Link
1	Macine learning	Introduction to Machine Learning	https://onlinecourses.nptel.ac.in/noc21_cs24/preview
2	Control Systems	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	https://onlinecourses.nptel.ac.in/noc21_ee70/preview
3	Microwave	Advanced Microwave Guided-Structures and Analysis	https://onlinecourses.nptel.ac.in/noc21_ee111/preview
4	Communication	Advances in UHV Transmission and Distribution	https://onlinecourses.nptel.ac.in/noc21_ee63/preview
5	Digital Communication	An Introduction to Information Theory	https://onlinecourses.nptel.ac.in/noc21_ee57/preview
6	Analog Circuits	Analog Circuits	https://onlinecourses.nptel.ac.in/noc21_ee07/preview
7	Analog Circuits	Analog Electronic Circuits	https://onlinecourses.nptel.ac.in/noc21_ee89/preview
8	Analog Circuits	Analog Ic Design	https://onlinecourses.nptel.ac.in/noc21_ee51/preview
9	Analog communication	Analog communication	https://onlinecourses.nptel.ac.in/noc21_ee74/preview
10	Antenna system	Antennas	https://onlinecourses.nptel.ac.in/noc21_ee08/preview
11	Electromagentics	Applied Electromagnetics For Engineers	https://onlinecourses.nptel.ac.in/noc21_ee82/preview

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12	Mathematics	Applied Linear Algebra	https://onlinecourses.nptel.ac.in/noc21_ee38/preview
13	Mathematics	Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning	https://onlinecourses.nptel.ac.in/noc21_ee33/preview
14	Digital electronics	Architectural Design of Digital Integrated Circuits	https://onlinecourses.nptel.ac.in/noc21_ee52/preview
15	Electrical, Electronics and Communications Engineering	Basic Electrical Circuits	https://onlinecourses.nptel.ac.in/noc21_ee99/preview
16	Electrical, Electronics and Communications Engineering	Basic Electronics	https://onlinecourses.nptel.ac.in/noc21_ee55/preview
17	Communication	Basics of software defined Radios and Practical Applications	https://onlinecourses.nptel.ac.in/noc21_ee95/preview
18	Biomedical Sciences	Biomedical Signal Processing	https://onlinecourses.nptel.ac.in/noc21_ee17/preview
19	Biological Sciences & Bioengineering	Biophotonics	https://onlinecourses.nptel.ac.in/noc21_ge13/preview
20	VLSI Design	CMOS Digital VLSI Design	https://onlinecourses.nptel.ac.in/noc21_ee09/preview
21	Computational Electromagnetics	Computational Electromagnetics	https://onlinecourses.nptel.ac.in/noc21_ee91/preview
22	Computer Vision	Computer Vision and Image Processing - Fundamentals and Applications	https://onlinecourses.nptel.ac.in/noc21_ee23/preview
23	Communication and Signal Processing	Concentration inequalities	https://onlinecourses.nptel.ac.in/noc21_ee106/preview
24	Power Systems and Power Electronics	Control and Tuning Methods in Switched	https://onlinecourses.nptel.ac.in/noc21_ee104/preview

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		Mode Power Converters	
25	Control and Instrumentation	Control engineering	https://onlinecourses.nptel.ac.in/noc21_ee67/preview
26	Control System	Dc Microgrid and Control System	https://onlinecourses.nptel.ac.in/noc21_ee96/preview
27	IoT	Design for internet of things	https://onlinecourses.nptel.ac.in/noc21_ee85/preview
28	Mechatronic Systems	Design of Mechatronic Systems	https://onlinecourses.nptel.ac.in/noc21_me129/preview
29	Electric Circuits	Design of photovoltaic systems	https://onlinecourses.nptel.ac.in/noc21_ee62/preview
30	Digital Electronics	Digital Circuits	https://onlinecourses.nptel.ac.in/noc21_ee75/preview
31	Digital Electronics	Digital Electronic Circuits	https://onlinecourses.nptel.ac.in/noc21_ee10/preview
32	Digital Electronics & Microprocessor	Digital Electronics & Microprocessor	https://onlinecourses.swayam2.ac.in/cec21_cs16/preview
33	IC Design	Digital IC Design	https://onlinecourses.nptel.ac.in/noc21_ee22/preview
34	Image Processing	Digital Image Processing	https://onlinecourses.nptel.ac.in/noc21_ee78/preview
35	Digital Signal Processing	Digital Signal Processing and its Applications	https://onlinecourses.nptel.ac.in/noc21_ee20/preview
36	Digital system design	Digital Switching - I	https://onlinecourses.nptel.ac.in/noc21_ee94/preview
37	Signal & Systems	Discrete Time Signal Processing	https://onlinecourses.nptel.ac.in/noc21_ee54/preview
38	Renewable energy	Electric Vehicles and Renewable Energy	https://onlinecourses.nptel.ac.in/noc21_ee112/preview
39	Power Systems	Electrical Distribution System Analysis	https://onlinecourses.nptel.ac.in/noc21_ee69/preview
40	Power Systems and Power Electronics	Electrical Machines	https://onlinecourses.nptel.ac.in/noc21_ee24/preview

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41	Control and Instrumentation	Electrical Measurement and Electronic Instruments	https://onlinecourses.nptel.ac.in/noc21_ee107/preview
42	Power system	Electricity & Safety Measures	https://onlinecourses.swayam2.ac.in/nou21_ee01/preview
43	Electromagnetic Theory	Electromagnetic Theory	https://onlinecourses.nptel.ac.in/noc21_ee83/preview
44	Electromagnetic Theory	Electromagnetic Waves in Guided and Wireless Media	https://onlinecourses.nptel.ac.in/noc21_ee43/preview
45	Electronics Engineering	Electronics Enclosures Thermal issues	https://onlinecourses.nptel.ac.in/noc21_ee46/preview
46	Communication engineering	Evolution of Air Interface towards 5G	https://onlinecourses.nptel.ac.in/noc21_ee12/preview
47	Optical Fibre communication	Fiber Optic Communication Technology	https://onlinecourses.nptel.ac.in/noc21_ee114/preview
	Machine learning	Essential Mathematics for Machine Learning	https://onlinecourses.nptel.ac.in/noc21_ma38/preview
48			
49	Wireless & Cellular communication	Introduction to Wireless and Cellular Communications	https://onlinecourses.nptel.ac.in/noc21_ee66/preview
50	Neuroscience	Introductory Neuroscience & Neuro-Instrumentation	https://onlinecourses.nptel.ac.in/noc21_ee101/preview

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National digital library web courses video link

Sr. No	Subject	Topic	Video Link
1	Electronics Devices & Circuits	Semiconductor Devices	https://www.youtube.com/watch?v=h0Y9jDKqScQ&list=PLgMDNELGJ1CaNcuuQv9xN07ZWkXE-wCGP
2	Electronics Devices & Circuits	Transistors	https://www.youtube.com/watch?v=-VwPSDQmdjM&list=PLwjK_iyK4LLDoFG8FeiKAr3IStRkPSxqq
3	Electronics Devices & Circuits	FET & Mosfets	https://www.youtube.com/watch?v=cOICDYuY-gA&list=PLwjK_iyK4LLC-tRT_Uml3T-ifdcmuykjV
4	Electronics Devices & Circuits	Thyristors	https://www.youtube.com/watch?v=OzTWG0tfhRg
5	Electronics Devices & Circuits	Diodes	https://www.youtube.com/watch?v=TXjHWGngsME
6	Digital Electronics	Boolean Algebra	https://www.youtube.com/watch?v=2U71nZYb990
7	Digital Electronics	Logic Gates	https://www.youtube.com/watch?v=JQBRzsPhw2w
8	Digital Electronics	K-Mapping	https://www.youtube.com/watch?v=wjM2RDG5yTI
9	Digital Electronics	Combinational Circuit	https://www.youtube.com/playlist?list=PL-IC1WV1OE4m3hb-LfCYJ3MOkJD3v9XQT
10	Digital Electronics	Sequential Circuit	https://www.youtube.com/playlist?list=PLmjEXDyU3L-mSz3eG4_JwVZt2fSon3tQX
11	Digital Electronics	Logic Families	https://www.youtube.com/playlist?list=PLgwJf8NK-2e645xqSqUBHJCgkrtkCa5AN

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12	Network Theory	Two Port Circuit Analysis	https://www.youtube.com/playlist?list=PLBlnK6fEyqRjQZj_QXvH8sp1lOWtjQCtT
13	Network Theory	Network Theorams	https://www.youtube.com/playlist?list=PLBlnK6fEyqRg41HzkHScol5bdRebCDOAZ
14	Network Theory	Resonance Circuit	https://www.youtube.com/watch?v=YLGrugmDvc0
15	Network Theory	Kirchoff's Law	https://www.youtube.com/watch?v=2Zu3ppq3n8I
16	Network Theory	Node & Mesh Analysis	https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA
17	Analog Communication	Amplitude Modulation	https://www.youtube.com/watch?v=-PWg-0k2oks
18	Analog Communication	Angle Modulation	https://www.youtube.com/playlist?list=PLgwJf8NK-2e5k2hI8zRal2rffvo7QknyC
19	Analog Communication	Radio Transmitter & Receivers	https://www.youtube.com/playlist?list=PLL13-1PjGvan5HADaFFl0kxuN9P4QNxph
20	Analog Communication	PAM, PWM, PPM	https://www.youtube.com/playlist?list=PLDp9Jik5WjRvjqQ6ruRFC6hZcxnOsp3BE
21	Digital Communication	Signaling Techniques	(657) Signalling techniques in telecommunication systems Unit4 Lec4 - YouTube
22	Digital Communication	Pulse Code Modulation	(657) 10. Pulse Code Modulation - Digital Audio Fundamentals - YouTube
23	Digital Communication	Digital Modulation Techniques	(657) Digital Modulation Techniques - YouTube
24	Digital Communication	Sampling Technique	(657) Sampling Theory basics, response and derivations in Digital Communication by Engineering Funda - YouTube

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25	Digital Communication	Information Theory	https://www.youtube.com/playlist?list=PLXnsjPD8-xutVH9OHMzeBHFc-PYaEZ6AV
26	Microwave	Microwave Components	(657) Introduction to Microwave Components - YouTube
27	Microwave	Transmisson Line	https://www.youtube.com/playlist?list=PL00WWA9f-4c8w3eSaWxkzM1qzQF2GhzP7
28	Microwave	Waveguides	https://www.youtube.com/playlist?list=PLgwJf8NK-2e76bYrTYpOz_5YTVIcKdKBc
29	Microwave	Microwave Devices	https://www.youtube.com/playlist?list=PLopRsoEKv1ny8_we0LRa73d2pEDl9riyO
30	Microwave	Micro Strip Line	(657) Microstrip Transmission Line - Lesson 3 - YouTube
31	Microwave	Radar	https://www.youtube.com/playlist?list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv
32	Control System	Block Diagram Reduction Technique	https://www.youtube.com/playlist?list=PLgwJf8NK-2e7qjwa8cPW2yF1R_j8ICFCa
33	Control System	Signal Flow Graph System	https://www.youtube.com/watch?v=aAPi01gajI8
34	Control System	Root Locus	https://www.youtube.com/playlist?list=PLgwJf8NK-2e78NzXFirvPmyRzH_JE53tW
35	Control System	Polar & Nyquist Plot	https://www.youtube.com/playlist?list=PL00WWA9f-4c9pRnHakDJScQOkC0DkDfaw
36	Control System	Bode Plot	https://www.youtube.com/playlist?list=PLgwJf8NK-2e7ocyYBq-Tv3tb2lR154p2H
37	Control System	State Space Analysis	https://www.youtube.com/playlist?list=PLW6YlvHa65xg5asFyEm6hx0wjHNcaVpTT
38	Control System	Controllers	https://www.youtube.com/watch?v=vzajydHWqrE
39	Analog Circuits	Amplifiers	https://www.youtube.com/watch?v=6O_BX0-aWn0
40	Analog Circuits	Oscillators & Mutivibrators	https://www.youtube.com/playlist?list=PLwjK_iyK4LLCVdgBR30pSFVj-17TI_8ou

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41	Analog Circuits	Frequency Response Of Bjt Amplifier	https://www.youtube.com/playlist?list=PLZvLSclgk4yI0WqeVk2i1f9diaRivg8mh
42	Analog Circuits	Operation Amplifier	https://www.youtube.com/playlist?list=PLwjK_iyK4LLDBB1E9MFbxGCEnmMMOAXOH
43	Analog Circuits	Tiimer Circuits	https://www.youtube.com/watch?v=WFsPI8_ZKbc

Details of Lab Experiment Videos

Academic Year: 2020-2021(Odd Sem)			
Details of lab experimental video			
S. No.	**Lab Name**	**Name of Experiment**	**Video Link**
1	EDC Lab	Plot V-I characteristic of P-N junction diode & calculate cut-in voltage, reverse Saturation current and static & dynamic resistances.	https://youtu.be/u3GiIK8VP4c
2	EDC Lab	Plot the output waveform of half wave rectifier and effect of filters on waveform. Also calculate its ripple factor.	https://youtu.be/XlJxMBIAvDc
3	EDC Lab	Study bridge rectifier and measure the effect of filter network on D.C. voltage output & ripple factor.	https://youtu.be/KsuDM9qN8j0
4	EDC Lab	Plot and verify output waveforms of different clipper and clamper.	https://youtu.be/W-0IVsWVS8g
5	EDC Lab	Plot V-I characteristic of Zener diode.	https://youtu.be/SZJld4c8sK4
6	EDC Lab	Study of Zener diode as voltage regulator. Observe the effect of load changes and determine load limits of the voltage regulator.	https://youtu.be/aV1wTEF-tfw
7	EDC Lab	Plot frequency response of two stage RC coupled amplifier & calculate its bandwidth .	https://youtu.be/XlJxMBIAvDc

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8	EDC Lab	Plot input-output characteristics of field effect transistor and measure Idssand Vp.	https://youtu.be/Ad2W2ZW08EY
9	EDC Lab	Plot frequency response curve for FET amplifier and calculate its gain bandwidth product.	https://youtu.be/Ad2W2ZW08EY
10	DSD Lab	To verify the truth tables of logic gates: AND, OR, NOR, NAND, NOR, Ex-OR and Ex-NOR	https://youtu.be/qhbrcDtXX80
11	DSD Lab	To verify the truth table of OR, AND, NOR, Ex-OR, Ex-NOR logic gates realized using NAND & NOR gates.	https://youtu.be/CFpwOnKvsbs
12	DSD Lab	To realize an SOP and POS expression.	https://youtu.be/-ND0xG_J0qI
13	DSD Lab	To realize Half adder/ Subtractor& Full Adder/ Subtractor using NAND & NOR gates and to verify their truth tables	https://youtu.be/jWKU6FPpJQg
14	DSD Lab	To design 1-to-4 demultiplexer using basic gates and verify the truth table. Also to construct 1-to-8 demultiplexer using blocks of 1-to-4 demultiplexer	https://youtu.be/QtA-JP7Ja0o
15	DSD Lab	Using basic logic gates, realize the R-S, J-K and D-flip flops with and without clock signal and verify their truth table.	https://youtu.be/_-Hbds3Exu8
16	SP Lab	Generation of continuous and discrete elementary signals (periodic and periodic) using mathematical expression.	https://youtu.be/4tWoJkwxVOo
17	SP Lab	Generation of Exponential and Ramp signals in Continuous & Discrete domain.	https://youtu.be/ZyhczlxSxMY
18	SP Lab	Continuous and discrete time Convolution (using basic definition).	https://youtu.be/2lGvjT29ZJk

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19	SP Lab	To generate uniform random numbers between (0, 1).	https://youtu.be/NgaQjFRCBBg
20	SP Lab	To generate a random binary wave.	https://youtu.be/IIT3xiEZcew
21	SP Lab	To generate and verify random sequences with arbitrary distributions, means and variances for Rayleigh distribution	https://youtu.be/X2AAw3whRTc
22	CP Lab-I	Write a simple C program on a 32 bit compiler to understand the concept of array storage, size of a word. The program shall be written illustrating the concept of row major and column major storage. Find the address of element and verify it with the theoretical value. Program may be written for arrays upto 4-dimensions.	https://drive.google.com/file/d/1dF-pit5dMksw9gPcS6OnIUIFtd2FTR2y/view?usp=sharing
23	CP Lab-I	Simulate a stack, queue, circular queue and dequeue using a one dimensional array as storage element. The program should implement the basic addition, deletion and traversal operations.	https://youtu.be/GDKE9SbiYFE https://drive.google.com/file/d/1KtqSCFYTwjs2xIn1PpgsBKQoo32tFDAA/view?usp=sharing
25	CP Lab-I	Implementation of insertion, quick, heap, topological and bubble sorting algorithms.	https://youtu.be/FNEk-2qxaxQ https://youtu.be/G09g9_SeoLQ https://drive.google.com/file/d/1d-qZHCfY6nSAj4K3kqIwlhgU0nXG8TI_/view?usp=sharing
26	RF Simulation Lab	Find the change in characteristics impedance and reflection coefficients of the transmission line by changing the dielectric properties of materials embedded between two conductors.	https://youtu.be/ZESwL4Oj9DA
27	RF Simulation Lab	Design and simulate the following Planar Transmission Lines Strip and micro-strip lines	https://youtu.be/qVlO3ruaSvE

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28	RF Simulation Lab	Determine their field patterns and characteristic impedance.	https://youtu.be/0X71I8jlb40
29	RF Simulation Lab	Design and simulate the following Wilkinson power divider	https://youtu.be/OJn4IDM2lNg
30	RF Simulation Lab	Design RF amplifier using microwave BJT.	https://youtu.be/tYQErdpzZDA
31	RF Simulation Lab	Design RF amplifier using microwave FET.	https://youtu.be/tYQErdpzZDA
32	DSP Lab	Generation of continuous and discrete elementary signals (impulse,unit-step,ramp) using mathematical expression.	https://youtu.be/RL6P_rSsvjc
33	DSP Lab	Perform basic operations on signals like adding, subtracting, shifting and scaling.	https://youtu.be/2WKa20p7g8Y
34	DSP Lab	Perform continuous and discrete time Convolution (using basic definition).	https://youtu.be/ogvKG_W-e6g
35	DSP Lab	Checking Linearity and Time variance property of a system using convolution, shifting.	https://youtu.be/ODH6DRwA0SY
36	DSP Lab	To generate and verify random sequences with arbitrary distributions, means and variances for Rayleigh distribution	https://youtu.be/64YWbXm0P1g
37	DSP Lab	N-point FFT algorithm.	https://youtu.be/53nm6tX4CfM
38	DSP Lab	To implement Circular convolution.	https://youtu.be/BRB0q_ym13s
39	DSP Lab	MATLAB code for implementing z-transform and inverse z-transform.	https://youtu.be/xaQQM81muEE
40	DSP Lab	Perform inverse z-transform using residuez MATLAB function.	https://youtu.be/XkSl2awbAuM

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41	DSP Lab	MATLAB program to find frequency response of analog LP/HP filters.	https://youtu.be/yzc8RKfaBBs
42	DSP Lab	To design FIR filter (LP/HP) using windowing (rectangular, triangular, Kaiser) technique using simulink.	https://youtu.be/wir6aD7sfYg
43	MW Lab	Study of various microwave components and instruments like frequency meter, attenuator, detector and VSWR meter.	https://youtu.be/wVBS_3kUXkA
44	MW Lab	(a) Measurement of guide wavelength and frequency using a X-band slotted line setup.	https://youtu.be/T65hZksl5iE
45	MW Lab	(b) Measurement of low and high VSWR using a X-band slotted line setup.	https://youtu.be/iwAvRmR8Yz8
46	MW Lab	Draw the V-I characteristics of a Gunn diode and determine the output power and frequency as a function of voltage.	https://youtu.be/gBOq7L41mGg
47	MW Lab	Study the square wave modulation of microwave signal using PIN diode.Study and measure the power division and isolation characteristics of a microstrip 3dB power divider.	https://youtu.be/AfXLj9EoXX0
48	MW Lab	Study of rat race hybrid ring (equivalent of waveguide Magic-Tee) in micro-strip.	https://youtu.be/3O1WNo5D66Y
49	MW Lab	To study the characteristics of micro-strip 3dB branch line coupler, strip line backward wave coupler as a function of frequency and compare their bandwidth.	https://youtu.be/D1DNvdRWzbU
50	VLSI Lab	Design and simulate all the logic gates with 2 inputs using VHDL/Verilog.	https://youtu.be/Sc56VEygYho
51	VLSI Lab	Design and simulate 2-to-4 decoder,3-to-8 encoder and 8X1 multiplexer using VHDL/Verilog.	https://youtu.be/EgS38VfK4Lk https://youtu.be/Yl0gREu4FQ8

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52	VLSI Lab	Design and simulate half adder and full adder using VHDL (data flow method)/Verilog.	https://youtu.be/j-uwHCieKDU https://youtu.be/Rs5IucmCXRk
53	VLSI Lab	Design and simulate D, T and J-K flip flop using VHDL/Verilog.	https://youtu.be/XKvF8CJv7IE https://youtu.be/_N5qy8DPt0Y
54	VLSI Lab	Design and simulate all the logic gates (NOT, NAND and NOR) with 2 inputs in CMOS Technology.	https://www.youtube.com/watch?v=iyARDqp0dsI
55	VLSI Lab	Design and simulate half adder and full adder using CMOS Technology.	https://youtu.be/j-uwHCieKDU https://youtu.be/Rs5IucmCXRk
56	VLSI Lab	Design and simulate SR flip flop using CMOS Technology.	https://youtu.be/XKvF8CJv7IE
57	Advance Communication Lab	Generate a sinusoidal signal. Sample and reconstruct a signal through interpolation. Vary the sampling rate below and above the Nyquist rate and hence verify the Sampling theorem.	https://drive.google.com/file/d/1ZQwJf7VHxrncWINz-NEn8iHG5U2yyWx0/view?usp=sharing
58	Advance Communication Lab	Generate a sequence of length 500 of zero-mean, unit variance Gaussian random variables. Using a uniform PCM scheme, quantize this sequence to 16, 64 and 128 levels.	https://drive.google.com/file/d/1ZQwJf7VHxrncWINz-NEn8iHG5U2yyWx0/view?usp=sharing
59	Advance Communication Lab	Simulate the transmitter and receiver for 16-QAM. Plot the average probability of symbol error as a function of SNR Eb/No, where Eb is the transmitted energy per bit and No/2 is the double sided power spectral density of additive white Gaussian noise (AWGN) with zero mean.	https://drive.google.com/file/d/14FfZnmZ_q99Wb5ivP0uRlvz4WPxL37Kj/view?usp=sharing
60	Advance Communication Lab	Simulate the transmitter and receiver for QPSK. Plot the average probability of symbol error as a function of SNR Eb/No, where Eb is the transmitted energy per bit and No/2 is the double sided power	https://drive.google.com/file/d/1oj58bhQiTJU5jlS2f2R9eqV1Xa_UMyEM/view?usp=sharing

		spectral density of additive white Gaussian noise (AWGN) with zero mean.	
61	Advance Communication Lab	Find all the code words of the (15,11) Hamming code and verify that its minimum distance is equal to 3.	https://youtu.be/0eo-h71dpfo
62	Advance Communication Lab	Design a Fuzzy PID controller using Matlab for a DC Motor.	https://youtu.be/EmJhKbelXTU
63	Advance Communication Lab	Consider a MIMO (multiple-input, multiple-output) system with NT = 2 transmit antennas and NR = 2 receive antennas. Generate the elements of the channel matrix H for a Rayleigh fading (frequency nonselective) AWGN channel and the corresponding inputs to the detectors for the two receive antennas.	https://youtu.be/keLuZuKdKOg
64	Advance Communication Lab	To Classify ECG signals using Neural networks.	https://youtu.be/T1DFQnZ1kR4

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Details of lab experimental video

S. No.	Lab Name	Name of Experiment	Video Link
1	ADC Lab	Observe the Amplitude modulated wave form & measure modulation index and demodulation of AM signal.	https://youtu.be/M5VUu0Kinx8
2	ADC Lab	Generation & Demodulation of DSB – SC signal.	https://youtu.be/AP7U0h9fbXQ
3	ADC Lab	Verification of Sampling Theorem.	https://youtu.be/mfgo08w0eLQ
4	ADC Lab	To study & observe the operation of a super heterodyne receiver.	https://youtu.be/t8fksOVi8Is
5	ADC Lab	PAM, PWM & PPM: Modulation and demodulation.	https://youtu.be/0mc_KJslIt8
6	ADC Lab	To study the Delta & Adaptive delta modulation & demodulation and also study the effect of channel like attenuation, noise in between modulator & demodulator through the experimental setup.	https://youtu.be/hxka2IQLWo8
7	ADC Lab	To perform the experiment of generation and study the various data formatting schemes (Unipolar, Bipolar, Manchester, AMI etc.)	https://youtu.be/TguMHT0zEpI

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8	ADC Lab	To perform the experiment of generation and detection of ASK, FSK, BPSK, DBPSK signals with variable length data pattern.	https://youtu.be/B4D08qlpYIk
9	AC Lab	Study and implementation of Voltage Series and Current Series Negative feedback amplifier.	https://youtu.be/1QILzocf82I
10	AC Lab	Study and implementation of Voltage Shunt and Current Shunt Negative feedback amplifier.	https://youtu.be/1QILzocf82I
11	AC Lab	Study and implementation of series and shunt voltage regulators and calculate line regulation and ripple factor.	https://youtu.be/ltXP-XAvXyk
12	AC Lab	Plot and study the characteristics of small signal amplifier using FET.	https://youtu.be/evc3PFToucM
13	AC Lab	Study and implementation of push pull amplifier. Measure variation of output power & distortion with load and calculate the efficiency.	https://youtu.be/h93rTnpjJRg
14	AC Lab	Study and implementation of Wein bridge oscillator and observe the effect of variation in oscillator frequency.	https://youtu.be/N_cUh4l4E0c
15	AC Lab	Study and implementation of transistor phase shift oscillator and observe the effect of variation in R & C on oscillator frequency and compare with theoretical value.	https://youtu.be/JnJQe3yhdKI
16	AC Lab	Study and implementation of the following oscillators and observe the effect of variation of capacitance on oscillator frequency: (a) Hartley (b) Colpitts.	https://youtu.be/gUY8-L1Saqo

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17	AC Lab	Study and implementation of the Inverting And Non-Inverting Operational Amplifier.	https://youtu.be/Kzlv8OjzBj0
18	AC Lab	Study and implementation of Summing, Scaling And Averaging of Operational Amplifier	https://youtu.be/YGiM_lupKnE
19	MC LAB	Introduction of MP trainer kit	https://youtu.be/efb1MFyzUvE
20	MC LAB	1.1 Multiplication of two 8 bit numbers	https://youtu.be/l6FmC_0YDt4
21	MC LAB	1.2 Division of two 8 bit numbers	https://youtu.be/foKnYMgRGeE
22	MC LAB	Write a program to arrange a set of data in Ascending and Descending order.	https://youtu.be/PgoU-9AuTpY
23	EMI Lab	Plot V-I characteristics & measure open circuit voltage & short circuit current of a solar panel.	https://youtu.be/QEZYu-AOVX8
24	EMI Lab	Measure unknown inductance capacitance resistance using following bridges (a) Anderson Bridge (b) Maxwell Bridge To measure bridge.	https://youtu.be/l6FmC_0YDt4
25	EMI Lab	To measure unknown frequency and amp; capacitance using Wein's bridge.	https://youtu.be/9kB6YQaqoLc
26	EMI Lab	Measurement of displacement with the help of LVDT.	https://youtu.be/HxvO7Yh8iEc

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27	EMI Lab	Draw the characteristics of the following temperature transducers (a) RTD (Pt-100) (b)Thermistors	https://sl-coep.vlabs.ac.in/Rtd/rtd.html
28	EMI Lab	Draw the characteristics between temperature & voltage of a K type thermocouple	https://youtu.be/FxP5N2CAEdA
29	AWP LAB	Study antenna designing in CST Microwave Studio	https://youtu.be/q2kAksmgL84
30	AWP LAB	Design a rectangular microstrip patch antenna using CST MWS	https://youtu.be/q2kAksmgL84
31	ED LAB	Op-Amp in inverting and non-inverting modes.	https://drive.google.com/file/d/17x5g4jRhYk3qgxH-Z5acJt59cH7hl6qZ/view?usp=sharing
32	ED LAB	Op-Amp as scalar, summer and voltage follower.	https://drive.google.com/file/d/182qm8ieECb5VUq4nO87CDqySUvggT-X4/view?usp=sharing
33	ED LAB	Op-Amp as differentiator and integrator.	https://drive.google.com/file/d/180opCllWMJTsdTYms1DjsRP7ynBlEJBJ/view?usp=sharing
34	ED LAB	Design Oscillators using Op-Amp (i) RC phase shift (ii) Hartley (iii) Colpitts	https://youtu.be/gUY8-L1Saqo
35	ED LAB	Design (i) Astable (ii) Monostablemultivibrators using IC-555 timer	https://drive.google.com/file/d/185yUmM2OSjTxuAiPWe6j4_QO77qIDPw7/view?usp=sharing
36	PE Lab	Study the characteristics of SCR and observe the terminal configuration, measure the breakdown voltage, latching and holding current. Plot V-I characteristics.	long video

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37	PE Lab	Perform experiment on triggering circuits for SCR. i.e. R triggering, R-C triggering and UJT triggering circuit.	https://youtu.be/mqUms9fmDGU
38	PE Lab	Study and test AC voltage regulators using triac, antiparallel thyristor sand triac and diac.	https://youtu.be/mBDqFWHsnGM
39	PE Lab	Study and obtain the waveforms for single-phase bridge converter.	https://youtu.be/hJvVGJmITas
40	PE Lab	Control speed of a dc motor using a chopper and plot armature voltage versus speed characteristic.	https://youtu.be/hJvVGJmITas
41	PE Lab	Control speed of a single-phase induction motor using single phase AC voltage regulator.	https://youtu.be/enwi3d3uJrQ
42	CN Lab	PRELIMINARIES: Study and use of common TCP/IP protocols and term viz. telnet rlogin ftp, ping, finger, Socket, Port etc.	https://youtu.be/Q2-ui_Mnqkc
43	CN Lab	DATA STRUCTURES USED IN NETWORK PROGRAMMING: Representation of unidirectional, Directional weighted and unweighted graphs.	https://youtu.be/oT5Yo7jUAoI
44	CN Lab	ALGORITHMS IN NETWORKS: computation of shortest path for one source-one destination and one source – all destination	https://youtu.be/JFqsE5LAfJQ
45	CN Lab	SIMULATION OF NETWORK PROTOCOLS:	https://youtu.be/EiTGvhI3vdU
46	CN Lab	i. Simulation of M/M/1 and M/M/1/N queues.	https://youtu.be/oT5Yo7jUAoI

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47	CN Lab	ii.Simulation of pure and slotted ALOHA.	https://youtu.be/JFqsE5LAfJQ
48	CN Lab	iii. Simulation of link state routing algorithm.	https://youtu.be/EiTGvhI3vdU
49	CN Lab	Encoding schemes: Manchester, NRZ.	https://youtu.be/44fq0eCAXgU
50	IOT LAB	Study the fundamental of IOT softwares and components.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
51	IOT LAB	Familiarization with Arduino/Raspberry Pi and perform necessary software installation	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
52	IOT LAB	Installation.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
53	IOT LAB	To interface LED/Buzzer with Arduino/Raspberry Pi and write a program to turn ON LED for 1 sec after every 2 seconds.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
54	IOT LAB	To interface Push button/Digital sensor (IR/LDR) with Arduino/Raspberry Pi and write a program to turn ON LED when push button is pressed or at sensor detection.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
55	IOT LAB	To interface DHT11 sensor with Arduino/Raspberry Pi and write a program to print temperature and humidity readings.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM

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56	IOT LAB	To interface motor using relay with Arduino/Raspberry Pi and write a program to turn ON motor when push button is pressed.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
57	IOT LAB	To interface OLED with Arduino/Raspberry Pi and write a program to print temperature and humidity readings on it.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
58	IOT LAB	To interface Bluetooth with Arduino/Raspberry Pi and write a program to send sensor data to smartphone using Bluetooth.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
59	IOT LAB	To interface Bluetooth with Arduino/Raspberry Pi and write a program to turn LED ON/OFF when '1'/'0' is received from smartphone using Bluetooth.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
60	IOT LAB	Write a program on Arduino/Raspberry Pi to upload temperature and humidity data to thingspeak cloud.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
61	IOT LAB	Write a program on Arduino/Raspberry Pi to retrieve temperature and humidity data from thingspeak cloud.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
62	IOT LAB	To install MySQL database on Raspberry Pi and perform basic SQL queries.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
63	IOT LAB	Write a program to create UDP server on Arduino/Raspberry Pi and respond with humidity data to UDP client when requested.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM
64	IOT LAB	Write a program to create TCP server on Arduino/Raspberry Pi and respond with humidity data to TCP client when requested.	https://drive.google.com/drive/folders/1FJiagISs_4mRw_qrjCPIKT9o8sdPEpNM

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Academic Year: 2020-2021(odd Sem)			
Details of SUBJECT video			
Academic Year: 2020-2021			
Details of Subject Notes			
S. No.	**Semester**	**Subject name**	**Link**
1	III SEM	Advanced Engineering Mathematics-I	https://www.jecrcfoundation.com/student-corner/notes
2	III SEM	Digital System Design	https://www.jecrcfoundation.com/student-corner/notes
3	III SEM	Electronics Devices	https://www.jecrcfoundation.com/student-corner/notes
4	III SEM	Network Theory	https://www.jecrcfoundation.com/student-corner/notes
5	III SEM	Signal & Systems	https://www.jecrcfoundation.com/student-corner/notes
6	III SEM	Technical Communication	https://www.jecrcfoundation.com/student-corner/notes
7	IV SEM	ANLONG CIRCUIT	https://www.jecrcfoundation.com/student-corner/notes
8	IV SEM	Electronic Measurements and Instrumentation	https://www.jecrcfoundation.com/student-corner/notes

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9	IV SEM	Managerial Economics and Financial Analysis	https://www.jecrcfoundation.com/student-corner/notes
10	IV SEM	Microcontroller	https://www.jecrcfoundation.com/student-corner/notes
11	IV SEM	Analog Digital Communication	https://www.jecrcfoundation.com/student-corner/notes
12	V SEM	Computer Architecture	https://www.jecrcfoundation.com/student-corner/notes
13	V SEM	Electromagnetics Waves	https://www.jecrcfoundation.com/student-corner/notes
14	V SEM	Control system	https://www.jecrcfoundation.com/student-corner/notes
15	V SEM	Digital Signal Processing	https://www.jecrcfoundation.com/student-corner/notes
16	V SEM	Satellite Communication	https://www.jecrcfoundation.com/student-corner/notes
17	V SEM	Microwave Theory & Techniques	https://www.jecrcfoundation.com/student-corner/notes
18	VI SEM	Micro Electro Machenical System	https://www.jecrcfoundation.com/student-corner/notes
19	VI SEM	Antennas and Propagation	https://www.jecrcfoundation.com/student-corner/notes
20	VI SEM	Power Electronics	https://www.jecrcfoundation.com/student-corner/notes

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21	VI SEM	Computer Network	https://www.jecrcfoundation.com/student-corner/notes
22	VI SEM	Fiber Optics Communications	https://www.jecrcfoundation.com/student-corner/notes
23	VI SEM	Information theory and coding	https://www.jecrcfoundation.com/student-corner/notes
24	VII SEM	CMOS	https://www.jecrcfoundation.com/student-corner/notes
25	VII SEM	Enviornmental Engg. And Disaster Management	https://www.jecrcfoundation.com/student-corner/notes
26	VIII SEM	Digital Image and Video Processing	https://www.jecrcfoundation.com/student-corner/notes
27	VIII SEM	DIGASTER MANGMENT	https://www.jecrcfoundation.com/student-corner/notes

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Department of Electronics & Communication Engineering		

B.Tech Final Year Project list Session (2019-20)

VIII semester Major Project Allocation 2020-2021

Project Group No.	Student Name	RTU R. No.	Supervisor/Project Guide	Project title
A1	Chaitanya Goyal	17EJCEC055	Mr. Vikas Sharma	Electric Vehicle Charge Supply Equipment
	Bharat Modi	17EJCEC053		
	Aditya Joshi	17EJCEC015		
	Ayushi Rawat	17EJCEC050		
A2	Ayushi Bansal	17EJCEC049	Dr. Shruti Kalra	Colour Vision And Speech Based Mouse Controller
	Arshpreet Singh Dhingra	17EJCEC036		
	Achintya Siddha	17EJCEC010		
	Aayush Khandelwal	17EJCEC003		
A3	Akshat Pareek	17EJCEC017	Dr. Jaiverdhan	Bluetooth App Based Home Automation
	Aryaman Singh	17EJCEC039		
	Bhaira Ram Puniya	17EJCEC052		
	Aarush Saini	17EJCEC001		
A4	Chesta Porwal	17EJCEC059	Dr. Parul Tyagi	Travel Request System
	Aaryan Tiwari	17EJCEC002		
	Aman Pandya	17EJCEC023		
	Aayush Saini	17EJCEC004		
A5	Astha Choudhary	17EJCEC043	Dr. Sandeep Vyas	Smart Alcohol Detection And Accident Indication System
	Baibhav Ranjan	17EJCEC051		
	Akshat Sharma	17EJCEC018		
	Chetan Sharma	17EJCEC061		
A6	Anand Raj Jain	17EJCEC024	Dr.Jaiverdhan	Face Recognition
	Anshul Bhandari	17EJCEC029		

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	Arjun Sharma	17EJCEC034		
	Anup Kumar Jha	17EJCEC031		
A7	Akshay Joshi	17EJCEC020	Dr Parul Tyagi	Covid 19 Testing Management System
	Arun Agrawal	17EJCEC038		
	Aryan Pareek	17EJCEC040		
	Arun Agarwal	17EJCEC037		
A8	Abhishek Jain	17EJCEC006	Dr. Shruti Kalra	Eco-Voice
	Aditya Devgan	17EJCEC014		
	Ayush Jain	17EJCEC048		
A9	Anjali Agarwal	17EJCEC027	Dr. Sandeep Vyas	Library Management System
	Ashna Agarwal	17EJCEC041		
	Abhishek Saxena	17EJCEC008		
	Akshat Mathur	17EJCEC016		
A10	Asmita Verma	17EJCEC042	Mr. Bhoopesh Kumawat	Oxiphile (Website On Availability Of Oxygen Cylinder And Bed)
	Atul Kumar	17EJCEC045		
	Avinash Kumar Yadav	17EJCEC046		
	Chanchal Gharwal	17EJCEC056		
A11	Anisha Sharma	17EJCEC026	Mr. Lokesh Kumar Sharma	The Book Wheel
	Anushka Khandelwal	17EJCEC033		
	Aditi Sharma	17EJCEC012		
	Aditya	17EJCEC013		
A12	Anchita Goyal	17EJCEC025	Mr Lokesh Kumar Sharma	Lead Generation Project
	Akshita Dadheech	17EJCEC021		
	Arpit Gupta	17EJCEC035		
	Adhya Saraf	17EJCEC011		
A13	Atul Bansal	17EJCEC044	Mr. Ashish Kulshrestha	Facial Recognition Attendance System
	Ayush bhatia	17EJCEC047		
	Chandan kumar	17EJCEC057		
	Chandan kumar	17EJCEC058		
A14	Akshay Jain	17EJCEC019	Mr. Rajkumar Jain	Hate Speech/ Toxic Comment Detection
	Anup kumar	17EJCEC030		
	Ankit kaushik	17EJCEC028		

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Department of Electronics & Communication Engineering		

	Anurag sogani	17EJCEC032		
A15	Abhishek Suwalka	17EJCEC009	Mr. Jitendra Sharma	Automatic Certification Generation Using Matlab
	Abhimanyu Singh	17EJCEC005		
	Chesta Sighal	17EJCEC060		
	Aman Aditya	17EJCEC022		
B1	Mohit Kaushik	17EJCEC116	Mr. Jai Prakash Mishra	Smart Irrigation System Using Arduino
	Mudit Khandelwal	17EJCEC118		
	Girish Mishra	17EJCEC081		
	Manoj Gour	17EJCEC110		
B2	Divyansh	17EJCEC073	Ms. Nishi Atray	Temperature Monitoring And Alert System Using Iot
	Divyansh Jadon	17EJCEC074		
	Manvi Joshi	17EJCEC112		
	Naman Pathak	17EJCEC123		
B3	Deeksha Singh	17EJCEC063	Ms. Deepmala kulshresta	Smart Parking System
	Deepak Choudhary	17EJCEC064		
	Naman Kankaria	17EJCEC122		
	Mehul Sharma	17EJCEC115		
B4	Mahima jain	17EJCEC107	Mr. Deepak sankhla	Licence Plate Recognition
	Naman saxena	17EJCEC124		
	Khushboo Bhargava	17EJCEC097		
	naman jain	17EJCEC121		
B5	Megha Mittal	17EJCEC114	Mr. Rajkumar Jain	Smart Shopping Cart
	Mudrika Sharma	17EJCEC119		
	Madhu choudhary	17EJCEC105		
	Khemendra prakash	17EJCEC096		
B6	himanshi saini	17EJCEC088	Mrs. Yazusha Sharma	Microcontroller Based Code Locking System With Alarm.
	mansi bharadwaj	17EJCEC111		
	Kirti chauhan	17EJCEC098		
	Divyansh singh	17EJCEC075		

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B7	Hardik Sogani	17EJCEC083	Mr. Devendra Sharma	Hospital Management System
	Dependra Sethiya	17EJCEC069		
	Divya Tinkar	17EJCEC072		
	Manish Mehra	17EJCEC109		
	Dhruva sharma	17EJCEC071	Mr. Ankur Gangwar	Film Management System
B8	Kushal jain	17EJCEC103		
	Harsh Pratap Singh Shekhawat	17EJCEC086		
	Jahanvi Agarwal	17EJCEC089		
B9	Jatin sharma	17EJCEC093	Mr. Rakesh Kardam	Quadcopter
	Lakshya pant	17EJCEC104		
	Harsh Chhawal	17EJCEC085		
	Manish Mangla	17EJCEC108		
B10	Karan Singh Solanki	17EJCEC095	Ms.Ritambhara	Desktop Ai Voice Assistance System
	Devang Agarwal	17EJCEC070		
	Deepesh Mittal	17EJCEC068		
	Ganesh Goyal	17EJCEC077		
B11	Mayank	17EJCEC113	Mr. Honey Agarwal	Corona Virus Detector Device
	Krishnanjana S	17EJCEC102		
	Naman Sogani	17EJCEC126		
	kislay Kishor Jha	17EJCEC099		
B12	Danish khaa	17EJCEC062	Mr. Bhoopesh Kumawat	Stock Price Prediction
	Deepakshi Joshi	17EJCEC065		
	Deepesh Malhotra	17EJCEC067		
	Hardik Gandhi	17EJCEC082		
B13	Jaishri Sharma	17EJCEC092	Mr. Naresh Kumar	Wireless Power Transfer Using Tesla Coil
	Kailash Singh	17EJCEC094		
	Harender Singh	17EJCEC084		
	Muskan Tak	17EJCEC120		
B14	Niharika bansal	17EJCEC127	Ms. Ritambhara	Desktop Ai Voice Assistance System
	Komal Nisha	17EJCEC100		
	Naman Sharma	17EJCEC125		

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Department of Electronics & Communication Engineering		

	Deepanshu Gupta	17EJCEC066		
B15	GARVIT SHARMA	17EJCEC078	Mr. Mangi Lal	Image Encryption Using Aes Algorithm
	JAHID KHAN	17EJCEC091		
	GARVIT SHARMA	17EJCEC079		
	HARSHIT SHUBHAM	17EJCEC087		
C1	Prateek Kumar	17EJCEC142	Ms. Yazusha Sharma	Piezo Electric Floor
	Rohitashv Garg	17EJCEC179		
	Saket Sharma	17EJCEC176		
	Sanskar Sharma	17EJCEC183		
C2	Raghav Singhal	17EJCEC152	Dr. S. K. Singh	Personal Assistant
	Rahul Sogani	17EJCEC157		
	Rishabh Jain	17EJCEC167		
	Rajat Mundra	17EJCEC159		
C3	Richa Mishra	17EJCEC165	Dr. S S Manaktala	Rfid Based Attendance System
	Purva Banthia	17EJCEC149		
	Rahul Baloda	17EJCEC155		
	Ojasv Sharma	17EJCEC133		
C4	Rakhi Rawat	17EJCEC161	Ms. Ritu Vyas	Home Automation Using Voice Via Google Assistant
	Praveen Sharma	17EJCEC145		
	Priyanshi Khandelwal	17EJCEC148		
C5	Rupal Saini	17EJCEC177	Dr.S.S Manaktala	Rfid Based Security System For Atm
	Riya Kanoongo	17EJCEC171		
	Rincy Chacko Kurien	17EJCEC166		
	Pankaj Jangid	17EJCEC135		
C6	Pranay Kasliwal	17EJCEC139	Mr. Naresh Kumar	Emergency Ventilation System
	Prateek Kumar Mishra	17EJCEC143		
	Pushpendra Soni	17EJCEC150		
	Pranshu Chaurasia	17EJCEC140		
C7	Saurabh Kumar	17EJCEC188	Dr. Vinita Mathur	Object Detection And Identification
	Saurabh Ghosh	17EJCEC187		

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	Prateek Sharma	17EJCEC144		
	Sarthak Saxena	17EJCEC185		
C8	Rakshit Sharma	17EJCEC162	Dr. Ajay Yadav	Smart Shopping Cart With Payment Gateway
	Nikhil Somani	17EJCEC128		
	Ritik Jain	17EJCEC170		
	Nitin Kumar	17EJCEC131		
C9	Shashi shekhar gaurav	17EJCEC190	Mr. Jai Prakash Mishra	Human Body Temperature Sensed Automatic Door Opening System
	Nitin nirwan	17EJCEC132		
	Rishi raj shekhawat	17EJCEC169		
	Rohit sharma	17EJCEC175		
C10	Sakina Saify	17EJCEC180	Mr. Ashish Sharma	Medicine Reminder
	Rohit Anand	17EJCEC173		
	Rohit Jangid	17EJCEC174		
	Raghavendra Kr Thakur	17EJCEC153		
C11	Rishabh Khandelwal	17EJCEC168	Dr. S.K Singh	Real-Time Prediction of Taxi Demand using Recurrent Neural Network (RNN)
	Nishant pahwa	17EJCEC129		
	Shahid Ali	17EJCEC189		
	Sarthak Chaturvedi	17EJCEC184		
C12	Priya Laddha	17EJCEC146	Dr. Vinita Mathur	Blood Bank & Donor Management System
	Pranshu Sharma	17EJCEC141		
	Raman Garg	17EJCEC163		
	Prachi Chauhan	17EJCEC138		
C13	Priyal Agarwal	17EJCEC147	Ms.Mamta Rani	Restaurant Ordering System
	Rahul Kumar Dubey	17EJCEC156		
	Satyam Kumar Jha	17EJCEC186		
	Sagar Nigam	17EJCEC178		
C14	Rajat Purohit	17EJCEC160	Mr.Deepak Shankla	Wireless Lock System
	Nitesh Ram Kishore Meena	17EJCEC130		
	Pankaj Sharma	17EJCEC137		
	Pankaj Joshi	17EJCEC136		

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C15	Rajan Dhawan	17EJCEC158	Mr. Sudarshan Jain	Covid-19 Stats Tracker
	Raghav Das Singhal	17EJCEC151		
	Riya Sharma	17EJCEC172		
	Ravi Nagar	17EJCEC164		
	Vaibhav Maheshwari	17EJCEC869	Mr. Vikas Sharma	Iron Man Jarvis Ai Desktop Voice Assistant
D1	Shubham Mittal	17EJCEC197		
	Shyam Somani	17EJCEC852		
	Vaibhav Agrawal	17EJCEC868		
D2	Vardaan Bhalla	17EJCEC870	Dr. Girraj Sharma	Fatigue Detection System Based On Behvourial Characteristics Of Driver
	Kareena Khan	17EJCEC400		
	Utsav Sharma	17EJCEC867		
	Sourav Chippa	17EJCEC855		
D3	Vidushi Mangnani	17EJCEC872	Dr. Ashish Kumar	Vehicle To Vehicle Communication Using Lifi Technology
	Tejaswi Bansal	17EJCEC863		
	Surbhi khandelwal	17EJCEC858		
	Ujjwal sharma(+ve)	17EJCEC865		
D4	Tushar Sharma	17EJCEC864	Dr. Ashish Kumar	Arduino Based Water Quality Monitoring System
	Yash Dixit	17EJCEC882		
	Vipin Aanjana	17EJCEC875		
	Vinit Singh	17EJCEC874		
D5	Yash Gupta	17EJCEC884	Dr. Girraj Sharma	Object Detection Using Webapp
	Vipul Gwala	17EJCEC876		
	Chandra Shekhar Vyas	17EJCEC300		
	Surya Pratap Singh	17EJCEC302		
D6	TANUJ AGARWAL	17EJCEC860	Ms. Sameeksha Choudhary	Real Time Vehicle Accident Detection And Tracking Using Gsm, Gps & Arduino
	SAURABH SHARMA	17EJCEC301		
	VINESH GUPTA	17EJCEC873		
	SHIVAM SHUKLA	17EJCEC192		
D7	YASH GUPTA	17EJCEC883	Mr. Jitendra Sharma	Online Test Portal
	YUVRAJ SINGH	17EJCEC886		

	BADGUJAR			
	SHUBHAM RATHI	17EJCEC198		
	YAMAN PAREEK	17EJCEC881		
D8	VISHWASH KHANDAL	17EJCEC879	Mr. Ashish Sharma	Online Quiz Web Application
	UPENDRA KUMAR SHARMA	17EJCEC866		
	SPARSH MEENA	17EJCEC856		
	RANJEET SINGH	18EJCEC200		
D9	Tanushi Agarwal	17EJCEC861	Mr. Ankur Gangwar	Tele Operation Data Communication Glove
	Shubham Agarwal	17EJCEC195		
	Shubham Sharma	17EJCEC851		
	Siddharth Kharra	17EJCEC853		
D10	Shivangi Sharma	17EJCEC193	Ms. Bhavna Kalra	Library Management System
	Vivek pandey	17EJCEC880		
	Taniya Joshi	17EJCEC859		
	Shivansh pandya	17EJCEC194		

6. Average numbers of books added during last three years

S.No.	Book Title	Name of Author
1	**Advance Microprocessor and interfacing**	**Badri Ram**
2	**Fundamental of optical communication and network**	**Somali sikender**
3	**Advance Microprocessor and interfacing**	**Badri Ram**
4	**Digital Image Processing**	**Dr Ketki kshirsagar**
5	**Advance Microprocessor and interfacing**	**Badri Ram**

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7. List of e books 100

S.No.	Book Title	Name Of Author
1.	A Guide to MATLAB	Brian R. Hunt Ronald L. Lipsman Jonathan M. Rosenberg
2.	A Practical Guide to 'Free-Energy' Devices	Patrick J. Kelly
3.	Advanced Natural Gas Engineering	Xiuli Wang XGAS
4.	ADVANCED POWER ELECTRONICS	Susan A. Rogers
5.	Advanced Power Electronics	B. Treanton
6.	Advanced Power Electronics and Electric Motors	U.S. Department of Energy
7.	Aeroelasticity of Turbomachines	Prof. Paolo Mantegazza
8.	Aeroelasticity of Turbomachines	ROBERT E. KIELB
9.	Air Conditioning Engineering	W.P. Jones
10.	An Accelerated Navier-Stokes Solver for Flows in Turbomachines	Tobias Brandvik
11.	Analog and Digital Circuits for Electronic Control System Applications	Jerry Luecke
12.	Analogue and Digital Communication Techniques	Grahame Smillie
13.	ANTENNAS	JOHN S. SEYBOLD
14.	APPLICATIONS OF DIGITAL SIGNAL PROCESSING	Christian Cuadrado-Laborde
15.	Arduino Workshop	John Boxall
16.	automated milling machine	harding
17.	Automobile Electrical and Electronic Systems	Tom Denton BA, AMSAE, MITRE, Cert.Ed.
18.	BASIC CIRCUIT ANALYSIS	JOHN O'MALLEY
19.	BASIC ELECTRICAL ENGINEERING	B.L. THERAJA,A.K. THERAJA
20.	Communication Systems	Simon Haykin
21.	Communication Systems	A. Bruce Carlson
22.	COMMUNICATION SYSTEMS	Bruce Carlson, Paul B. Crilly

23.	COMMUNICATION SYSTEMS ENGINEERING	John G. Proakis Masoud Salehi
24.	COMPLETE DIGITAL DESIGN	Mark Balch
25.	Complete Electronics	carol long
26.	Complete Electronics	Earl Biosen
27.	COMPUTER NETWORKS	ANDREW S. TANENBAUM
28.	Control in Power Electronics Selected Problems	J. David Irwin
29.	Control in Power Electronics Selected Problems	MARIAN P. KAZMIERKOWSKI
30.	Customer Relationship Management	Francis Buttle
31.	DATA COMMUNICATIONS AND NETWORKING	Behrouz A. Forouzan
32	DC Fundamentals	Lab-Volt
33.	Dielectric Resonator Antennas	Professor J. R. James,K. M. Luk
34.	Dielectric Resonator Antennas	K. W. Leung
35.	Digital and Analog Communication Systems	LEON W. COUCH
36.	Digital Audio Signal Processing	Udo Zölzer
37.	DIGITAL COMPUTER AND CONTROL ENGINEERING	ROBERT STEVEN LEDLEY
38.	DIGITAL DESIGN	M. MORRIS MANO MICHAEL D. CILETTI
39.	DIGITAL ELECTRONICS	WALID K. HAMOUDEI
40.	Digital Electronics	Anil K. Maini
41.	DIGITAL ELECTRONICS LECTURE NOTES	WALID K. HAMOUDEI
42.	DIGITAL IMAGE PROCESSING	WILLIAM K. PRATT
43.	Digital Image Processing	Rafael C. Gonzalez,Richard E. Woods
44.	DIGITAL IMAGE PROCESSING	WILLIAM K. PRATT
45.	Digital Logic Circuit Analysis and Design.pdf	Victor P Nelson
46.	Digital Signal Processing	Michael Parker
47.	Digital Signal Processing	Li Tan
48.	Digital Signal Processing	Michael Parker
49.	Digital Signal Processing	sanjit k. mitra
50.	Digital Signal Processing	Andreas Antoniou

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51.	Digital Signal Processing	Steven W. Smith
52.	Digital Signal Processing	Sanjit k.Mitra
53.	Digital Signal Processing	Andreas Antoniou
54.	Digital Signal Processing Fundamentals and Applications	Li Tan
55.	Digital Signal Processing Handbook	VijayK.Madisetti
56.	Digital Signal Processing System Analysis and Design	Paulo S. R. Diniz Eduardo A. B. da Silva
57.	ELECTONIC DIVICES AND CIRCUITS	S Salivahanan, N suresh kumar
58.	Electrical Circuit Theory and Technology	John Bird
59.	Electricity and electronics	Stan Gibilisco
60.	ELECTRICITY AND ELECTRONICS	Marija Krznarić
61.	Electromagnetic Waves and Antennas	Sophocles J. Orfanidis
62.	ELectronic and Electrical Servicing	Ian Sinclair and John Dunton
63.	Electronic Circuits for the Evil Genius™, Second Edition	Dave Cutcher
64.	Electronic Devices and Circuit Theory	Tenth Edition
65.	ELECTRONIC DEVICES AND CIRCUIT THEORY	ROBERT BOYLESTAD LOUIS
66.	ELECTRONIC DEVICES AND CIRCUITS	JIMMIE J. CATHEY
67.	Electronic devices and circuits	boyelsted
68.	Electronic devices and circuits	s.salivahan
69.	ELECTRONIC DEVICES AND CIRCUITS	JIMMIE J. CATHEY, Ph.D.
70.	Electronic Warfare and Radar Systems Engineering Handbook	Dr. Andrew Chen.
71.	Electronic Warfare and Radar Systems Engineering Handbook	DR. R. E. SMILEY, NAVAIR Director
72.	ELECTRONICS	DONALD G. FINK
73.	ELECTRONICS	navy book
74.	ELECTRONICS	H. W. MATEER,
75.	ELECTRONICS	fredhelm loh group
76.	Electronics Circuits and Systems	Owen Bishop
77.	Electronics for Dummies	Gordon McComb Earl Boysen

78.	electronics for engineers	JOHN MARKUS,VIN ZELUFF
79.	electronics for engineers	john markus
80.	Electronics Projects FOR DUMmIES	Earl Boysen and Nancy Muir
81.	ENGINEERING ELECTRONICS	DONALD G. FINK
82.	ENGINEERING ELECTRONICS	GEORGE E. HAPPELL, WILFRED M.
83.	ENGINEERING THERMODYNAMICS	R.K. RAJPUT
84.	Fiber-Optic Communication Systems	GOVIND E? AGRAWAL
85.	Finite Element Analysis	DR S.S. BHAVIKATTI
86.	Finite element method	Daryl L. logan
87.	Fluid Mechanics,THERMODYNAMICS OF TURBOMACHINERY	S.L. Dixon, B.Eng.
88.	Foundations of Analog and Digital Electronic Circuits	anant agarwal, j e f f r e y h . Lang
89.	Fundamental Electrical and Electronic Principles	Christopher R Robertson
90.	FUNDAMENTALS OF COMPUTER PROGRAMMING WITH C#	Svetlin Nakov & Co.
91.	Fundamentals of Computer Science Using Java	David Hughes
92.	Fundamentals of Digital Communication	Upamanyu Madhow
93.	Fundamentals of Digital Image Processing	Chris Solomon,Toby Breckon
94.	Fundamentals of Digital Image Processing	ANIL K. JAIN
95.	Fundamentals of Electrical Engineering I	Don Johnson
96.	Fundamentals of Instrumentation and Measurement	Dominique Placko
97.	Fundamentals of Materials Science and Engineering	William D. Callister, Jr.
98.	Fundamentals of Power Electronics	R. W. Erickson
99.	Fundamentals of Power Electronics	Randall Shaffar
100	Fundamentals of Power Electronics	R. W. Erickson

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08 . Detail of e-journals

S.No.	E-Journal Name	ISSN-NO.	Tittle of paper	Author name
1	Electromagnetics, Tayler and Francios	0272-6343	Broadband circularly polarized compact MIMO slot antenna based on strip and stubs for UWB applications	Dr. Jaiverdhan
2	International Journal of Systems Control and Communications	1755-9359	Performance Comparison Of Different Fractal Shape Antennas For Ultra Wide Band Applications	Vinita Mathur
3	IEEE Congress for Evolutionary Computation 2021, Poland	1063-6560	A Binary NSGA-II Model for declustering seismicity in earthquake prone regions	Ashish Sharma

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09. Detail of Journals

S.NO.	Journal Name	ISSN-NO.	Tittle of paper	Author name
1	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Octagonal Patch antenna for WiMax Applications	Dr. Vinita Mathur
2	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	A Survey on Evolution of Internet of Things	Dr. Vinita Mathur
3	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	A Study on the Behaviour of MANET: Along with Challenges, Applications and Security Attacks	Dr. Vinita Mathur
4	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Novel Vedic Multiplication Technique and its Implementatio n â€“ A Fast and Simple Method of Convolution	Devesh Gupta

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5	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	A Review on ground use & ground Cover in India	Devesh Gupta
6	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Carbon Nano-Tube Field Effect Transistor (CNTFETs): A Promising Technology for future Ics	Ritambhara
7	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	The Study on SILVER AND GOLD BASED PLASMONICS BASED FIBRE OPTIC SENSORS: A REVIEW	Ritambhara

8	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Quad-band Frequency Reconfigurable Microstrip Patch Antenna Using Modified Ground Plane for the WI-FI, Wi-Max, RF-Altimeters, and WLAN Applications	Jaiverdhan
9	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Review: the Human Pose Estimation using Radio Frequency	Dr. Sandeep Vyas
10	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Steagnography -An introduction and various techniques in digital image processing	Vikas Sharmaa
11	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Design and Simulation of Tapped Input Compact Hairpin Band Pass Filter	Ashish Sharma

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12	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Time frequency localized improved S-transform for ECG Signal Analysis	Ashish Sharma
13	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	A Review on Doped and Defected Graphene-based materials for supercapacitor electrodes	Deepak sankala
14	ICCOMET 2020 - 2nd International Conference on Communication, Optical and Microelectronics: "The Emerging Trends"-2020	ISSN 2229-5518	Adder designing process LUT based using FPGAs.	Deepak sankala

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10.List of virtual industry tour

S.No.	Virtual Industry	Relared Link
1	Samsung Virtual Industry Tour	https://www.youtube.com/watch?v=Oj4KyZI2FJs
2	Samsung Virtual Industry Tour	https://www.youtube.com/watch?v=bD6jBCvdmKw
3	Samsung Virtual Industry Tour	https://www.youtube.com/watch?v=5_85-Pp6aLU
4	Philips Virtual Industry Tour	https://www.youtube.com/watch?v=CtI6THWAJn0
5	Philips Virtual Industry Tour	https://www.youtube.com/watch?v=SrPv9MV0Spo
6	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=Oz8hliin4r8
7	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=EPZOQwEWyA4
8	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=SfxFyiTuL6Y
9	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=_ca8mbRGXu0
10	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=bQH5z_dMcwE
11	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=UvJUAZbjGBE
12	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=ZFJ8RfNJBWE
13	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=SZLP4sNFSHY
14	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=VmUi6EhqPb4
15	Tosiba Virtual Industry Tour	https://www.youtube.com/watch?v=59Iq4y9uOgg

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11.Special Collection (e.g. text book, reference book, standard, patents)

S.N	BOOK NAME	AUTHOR/PUBLICATION
1.	Numerical and verble aptitude (SAIL & CIL)	Ankit goyal/Kreatryx
2.	Engineering maths (GATE & ESE)	Ankit goyal/Kreatryx
3.	UPSC ESE main exam Electronics & Communication Engg. Paper-I	Made easy
4.	UPSC ESE main exam Electronics & Communication Engg Paper-II	Made easy
5.	Civil services main exam Electronics & Communication Engg Paper-I	Made easy
6.	Civil services main exam Electronics & Communication Engg Paper-II	Made easy
7.	GATE solved paper Electronics & Communication Engg	Arihant
8.	Krash GATE PSU preparation Electronics & Communication Engg	Kreatryx

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Patent

Patent No.	Name Of Faculty	Title
Patent 1.	Dr. Vinita Mathur, Dr. Parul Tyagi, Dr. Neha Singh	Design of a hybrid floating Solar System
Patent 2.	Dr. Vinita Mathur	Multilayer Reusable Activated Carbon Face Mask for Preventing Viral Infection
Patent 3.	Ms. Ritambara	High Efficient Wind Solar Diesel Hybrid System and Method Thereof for application in Remote Area
Patent 4.	Ms. Ritambara	Method of Free Space Optical Communication With Minimising Fog Related Atmospheric Interferences
Patent 5	Ms. Ritambara	A System for Agriculture Field Monitoring and Pest Controlling
Patent 6.	Mr. Ashutosh	Protecting Malicious Attacks by Using Fuzzy Based ANT Colony Optimization Model For MANET
Patent 7.	Mr. Ashutosh, Mr. Naresh, Mr. Lokesh Kumar Sharma	Design of IOT Based Air Control Using WI-FI Sensor Device Integrated to Cloud Computing

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12. Annual department library Budget and the amount spent for purchasing new books and journals 3500/-

Library Incharge

Mr. Devendra Sharma