



CRITERION 2 TEACHING LEARNING AND EVALUATION

KEY INDICATOR 2.3 TEACHING LEARNING PROCESS

Metric No 2.3.2 Teachers use ICT enabled tools for effective teaching – learning process

S. No.	Content	Page No.
ICT TOOLS		
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2.	Lecture Videos	11



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ACADEMIC YEAR

2022 – 23



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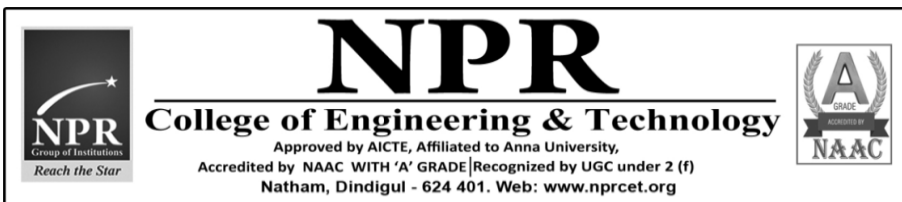
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DIGITAL COURSE MATERIALS



Digital Course Materials
Department of Civil Engineering

S.No	Year / Semester	Name of the Subject	Course Materials
1	II/III	Fluid Mechanics	https://drive.google.com/file/d/1LH_sbK_ZKSgrvkmz-VqnABBEHrgZ6C_f/view
2	II/III	Engineering Mechanics	https://drive.google.com/drive/u/0/folders/1_nGtFiP8_8-S2VqCwMgF1Ff3IM4ZQbZF
3	II/III	Construction Materials and Technology	https://drive.google.com/file/d/1PIMEgtPDs8MJMlsYC9O8j9TWT_I0aIQx/view
4	II/III	Water Supply and Wastewater Engineering	https://drive.google.com/file/d/1NtPKxUD0oEtn_1OtjxVcmX32j0a9CT7B/view
5	II/III	Surveying & Levelling	https://drive.google.com/file/d/1opi2pprBK5526jOqfEITiNJ61Vt7oJ9T/view
6	III/V	Structural Analysis I	https://drive.google.com/file/d/1CTvGqVXZR52zRYlwwQTgzMa4li3ajL_h/view
7	III/V	Foundation Engineering	https://drive.google.com/file/d/1bvt1wW9-zyvCDXNS9DFvup78qm01T24b/view
8	III/V	Design of Reinforced Cement Concrete Elements	https://drive.google.com/file/d/1pYglMiizaiF9x_QdmvAiM5Wp1wVlCaci/view
9	III/V	Rehabilitation / Heritage Restoration	https://drive.google.com/file/d/1agpd0E6jBZUvgRs-26udWP0hahvJGeOr/view
10	III/V	Pavement Engineering	https://drive.google.com/file/d/1hiLzMtUh637CHAcDkDr3ML7jiOLeSQlr/view
11	III/V	Remote Sensing Concepts	https://drive.google.com/file/d/1_FTV93dzo_0IN4tapZx_NPyiRnPVoksu/view
12	IV/VII	Railways, Airports, Docks and Harbour Engineering	https://drive.google.com/drive/u/0/folders/1XXL5lQ-k29LO6ysrHvFzXLpgeJEfmrqA
13	IV/VII	Municipal Solid Waste Management	https://drive.google.com/file/d/1XU9IoAh5g79UgZsoq2tKuD2GI3VPeM7J/view
14	IV/VII	Estimation, Costing and Valuation Engineering	https://drive.google.com/file/d/13esRKeIF5WVxdddF9qEpaPGOtM12dTo5Q/view



Department of Computer Science and Engineering

S. No.	Year / Semester	Name of the Subject	Course Materials
1	I/I	Problem Solving and Python Programming	https://drive.google.com/file/d/1OtdPErBrAf3-0qhGSMyhF_hLZH91P5Eo/view
2	I/II	Programming in C	https://drive.google.com/file/d/1Bg6seP9IXyY-2Q3tpNA27IXVeIb2M3Cx/view
3	II/III	Data Structure	https://drive.google.com/file/d/112PeMbADc2RRZG11Kx5HmUWliamad-SF/view
4		Foundations of Data Science	https://drive.google.com/file/d/1XOb15pDI1A8RBAr3QfNb0880U35bGu17/view
5		Object Oriented Programming	https://drive.google.com/file/d/10j-IODrFLbIWO6X1XmZCwEVaQkj6MGFa/view
6	II/IV	Artificial Intelligence and Machine Learning	https://drive.google.com/file/d/1glrF-B_jvliXkQzaT96GDnBYbxDjO1ML/view
7		Introduction to Operating System	https://drive.google.com/file/d/1eLjIP2AAoeOAx_6stuTmCVs05_FUHZnU/view
8	III/V	Cryptography and Cyber Security	https://drive.google.com/file/d/1tc-6DWpevRyOzGsrXeBJFtic-oPCU_d/view
9		Software Testing Automation Full notes	https://drive.google.com/file/d/1-IJYNtAKwL9COA9InJtb2_-C4yRfmcft/view
10	III/VI	Mobile Computing	https://drive.google.com/file/d/1a8X9Af4D-WDNFnrAn3lmvKSi_be4TmLS/view
11	IV / VII	Cryptography and Network Security	https://drive.google.com/file/d/1BDEnd7bA6ae3ZdjDce51UjJRGBoQy5th/view
12	IV/VIII	Green Computing	https://drive.google.com/file/d/1b3YjFnBD3OtSn-6DrfSNmrke1sKivBc0/view



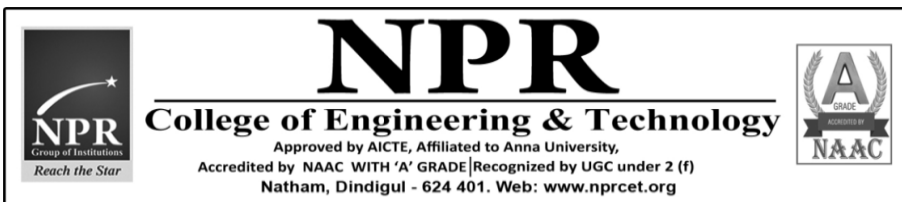
Department of Electronics and Communication Engineering

S. No.	Year / Semester	Name of the Subject	Course Materials
1	I/II	Electrical Circuits and Instrumentation	https://drive.google.com/file/d/1EoPyhPHztE3sIB_SXkrpsgaKvq8JP6yw/view
2		Circuit Analysis	https://drive.google.com/file/d/17-YLMF_0eRRGcjjqslm6cG4qV67Tnj_D/view
3	II/III	Signals and Systems	https://drive.google.com/file/d/1SrAiS8Cl5rVrKhIRtkoQTgbEY9iS235d/view
4	II/IV	Electromagnetic fields	https://drive.google.com/file/d/1jjq13cPKp8LWoCUO_xdK12zDXanHpbse/view
5		Digital Signal Processing	https://drive.google.com/file/d/1NTjWLgWSxUUkrbAdobbBpSIBMSe95Re8/view
6		Communication Theory	https://drive.google.com/file/d/19Otv3yBvJDfrcQvjeLxFRvfg9X3OtcGQ/view
7	III/V	Discrete Time Signal Processing	https://drive.google.com/file/d/1TqCmVKySijDxEjmydZthIFiYP32xSAj3/view
8		Satellite Communication	https://drive.google.com/file/d/1m8xa2LIN93Fk9ruhWDIMIMae0zvVJDJK/view
9		Digital Communication	https://drive.google.com/file/d/1k2nADgMqG3aKRnkZYWMG4qEmzWX2vD0e/view
10		Avionics Systems	https://drive.google.com/file/d/1mvTc36OsePaRTGF0Sa4ZXn9Stp3RuMo3/view
11		Communication Networks	https://drive.google.com/file/d/12Ypqwc7SgF0oPMnsI_IvFO3IXifM7_zR/view
12	IV/VII	Optical Communication	https://drive.google.com/file/d/1LraE9heVqdHjX0jom8d4B-DrxYoZmy2S/view
13		Embedded and Real Time Systems	https://drive.google.com/file/d/1GcywGBleNXrT-VQUqGHCEaYRtDvexsnp/view



Department of Electrical and Electronics Engineering

S. No.	Year / Semester	Name of the Subject	Course Materials
1	II/III	Electron Devices and Circuits	https://drive.google.com/file/d/1aFMcwtiBwFunLvEHMgQwcO_zNdIoIfrrq/view
2		Electromagnetic Theory	https://drive.google.com/file/d/1cyNNa7RwFUvovr_PVleJCyhSkwDcLl3h/view
3		Digital Logic Circuits	https://drive.google.com/file/d/12aPhCwfwTjH0yNHvZ6IbsLY5B7JamYK/view
4		Electrical Machines-I	https://drive.google.com/file/d/1_qzmvBxxjD1vMjKMUEZZSs6TiwB9EsYA/view
5	II/IV	Transmission & Distribution	https://drive.google.com/file/d/119kPYfaXE5qMGXmAZJNSBZJvajlg396C/view
6		Measurements and Instrumentation	https://drive.google.com/file/d/1n9u4-2fFntWwAkKQm0kSbwRtS5GxXouD/view
7		Electrical Machines - II	https://drive.google.com/file/d/1SHjf4ZSUVJ5P6LHs6TFn_rX-gG3MoXwL/view
8		Power Plant Engineering	https://drive.google.com/file/d/1iKWZ2ya_Z8BUZJYUI9vg4r1NATTpDWi/view
9	III/V	Power System Analysis	https://drive.google.com/file/d/1_-8EZn1sb90Vu6Y5RPDYgDnBjsyywmOB/view
10		Power Electronics	https://drive.google.com/file/d/1jFDr-RFPTKeoVSGDRjF0tSAKES2aKWOp/view
11		Control Systems	https://drive.google.com/file/d/1_rfgfvDFR6LWHQAUdud91HC_NUrbBF11/view
12		Microprocessors and Microcontrollers	https://drive.google.com/file/d/1eHQaIcqvRyiqJLJesA9PKz0v_kcnl_il/view
13		Basics of Biomedical Instrumentation	https://drive.google.com/file/d/12gc003XtFuG7Ak4tjEQIvkiuyVinT/view
14	III/VI	Solid State Drives	https://drive.google.com/file/d/14XG-7wSCBH_yoPIvOFjiTveFWnSAZoyG/view
15		Protection and Switchgear	https://drive.google.com/file/d/1phWEFS6nO_dyPNlh3wdxOW2bIe9cr-K5/view
16		Embedded Systems	https://drive.google.com/file/d/19Yv4UMzwMJTZl2PnQJD0ujrAncnHl_c/view
17		Special Electrical Machines	https://drive.google.com/file/d/12XgHnDsL-ftQ6o-qotK1K_h_BZSOhr96/view
18	IV/VII	High Voltage Engineering	https://drive.google.com/file/d/1V7akr1pIryCFvVqQWPFXM2wxXCdxt3h/view
19		High Voltage Direct Current Transmission	https://drive.google.com/file/d/1RdNCUydXN_InEUR2sN7J0a2Wd5d31g7w/view
20		Power System Operation and Control	https://drive.google.com/file/d/1V1Rjip862R27TWZqAFX2bwNlxCSdkvZh/view
21		Renewable Energy Systems	https://drive.google.com/file/d/1iBJGNHAc6AQJuUqvg3xwLDoQ8jeb3Ac/view
22		Fibre Optics and Laser Instrumentation	https://drive.google.com/file/d/1Z1D2afwWV7worOaG2Th8XIISgV11WYPk/view
23		Utilization and Conservation of Electrical Energy	https://drive.google.com/file/d/1jz6R7fpKjqzAYODFhRSyl8H1jhXIT-iC/view
24		Power Systems Transients	https://drive.google.com/file/d/15k6SBzD_ZJQ-SSiqAZtl5ZSIsN51zsAO/view



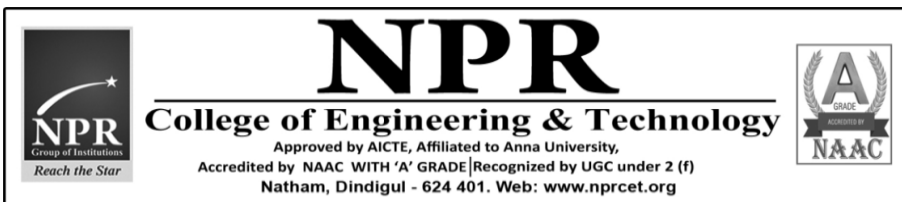
Department of Master of Business Administration

S. No.	Year / Semester	Name of the Subject	Course Materials
1	I / I	Managerial Economics	https://drive.google.com/file/d/1r0e24l_x2OT_Gkntfb0i2Jbtse9Vr7E/view
2	I / I	Design Thinking and Innovation	https://drive.google.com/file/d/1INTBbq3LTiXSZFcj_HSU3SsjBNA92y-ht/view
3	I / I	Research Methodology	https://drive.google.com/file/d/1_ckdKP_d2hBV6bf7WXC_f3S7Vmasr_U7/view
4	I / I	Management Concept and OB	https://drive.google.com/file/d/1gJ0po6M9OI9sNrcnksJXszGsrnvfJP5a/view
5	II / III	Retail Marketing	https://drive.google.com/file/d/1UMRHafTbqAi3c2r7-C96ZkMhuCEKWz3T/view
6	II / III	Banking and Financial Services	https://drive.google.com/file/d/1B9K3_GI4wPaVP6HSRMO9J18_VaTM4o7b/view
7	II / III	Industrial Relations and Labour Legislations	https://drive.google.com/file/d/1PmqI7J9EHopURyBVgIRp2-4AKA96Xsck/view
8	II / III	Security Analysis and Portfolio Management	https://drive.google.com/file/d/1_QxRK9P_5HB5pt7P49HH6eRAV7tDpOeR/view
9	II / III	Strategic Human Resource Management	https://drive.google.com/file/d/19oMG_tJUXNODjSyqH8cUf33EY_qpjPDv/view
10	II / III	Digital Marketing	https://drive.google.com/file/d/1b1SEop5c39DZg2-1LS9-Pjs82CVjCyzL/view
11	II / III	Financial Markets	https://drive.google.com/file/d/1OM44cx6SgCHNQEiCVk76PCDKgl-hYFP5/view
12	II / III	International Business	https://drive.google.com/file/d/1M_f8juTzyx7M5a-q2elWnrMTvc47Dq/view
13	II / III	Services Marketing	https://drive.google.com/file/d/1376vT0rXREzefIVwqhZhXSEFIMtVNt5/view



Department of Mechanical Engineering

S. No.	Year / Semester	Name of the Subject	Course Materials
1	II / III	Engineering Materials And Metallurgy	https://drive.google.com/file/d/1KPR41qcWxM9YPxYpcai4tJv92mwj77Ce/view
2		Engineering Thermodynamics	https://drive.google.com/file/d/1EulGEU8wa1G9M5uh7IOEjFtMeQ9jqc1S/view
3		Strength Of Materials	https://drive.google.com/file/d/1FN3THD8fOmE8Mp1TF8AVOEz3Czp59Kvf/view
4	II / IV	Kinematics Of Machinery	https://drive.google.com/file/d/1_99TD3FEjA8DW-QFn9UmWT5xb6nTiRX8/view
5	III / V	Automobile Engineerring	https://drive.google.com/file/d/1DtmBUVic4JqZY18xW7VS9ZU9glhIHdjF/view
6		Design Of Transmission System	https://drive.google.com/file/d/1fbrWSeULvVThETZ9YCnHJu2BU1Sk3rQz/view
7		Dynamics Of Machines	https://drive.google.com/file/d/1XAZvyvrSF51n6erJslgQNRw9fgwDRelS/view
9	III / VI	Heat And Mass Transfer	https://drive.google.com/file/d/1B6CCfdUm9wVqq4Y9H5_kjHw8KHGJWebA/view
10		Power Plant Engineering	https://drive.google.com/file/d/1W-5-KjUWlzbre0LcA7RjB93nqHHseLmj/view
11	IV / VII	Robotics	https://drive.google.com/file/d/1X9BSVUWtlaR5Len9rdY7N7sx4_8UU-qb/view
12		Maintenance Engineering Material	https://drive.google.com/file/d/1xJ7SceJZJVE7737mHge2Ix1Z21VztEnO/view
13		Mechatronics	https://drive.google.com/file/d/1fCGnA3reycjQBF0bei1x-dUzLsfH37M/view
14	IV / VIII	Production Planning And Control	https://drive.google.com/file/d/1oGHuebCG_Nv9ACZaOswHdZ1iJHveyXpj/view
15		Principles Of Management	https://drive.google.com/file/d/1eoW-fGuWMf-9u9XPrRmaP151jHOJyP_g/view



Department of Science and Humanities

S. No.	Year / Semester	Name of the Subject	Course Materials
1	I/I	Engineering Physics	https://drive.google.com/file/d/1J4UjSeDOw2FsGpGteI9keKkFcntdvHs_/view
2	I/I	Physics for Electronics Engineering	https://drive.google.com/file/d/1F_U3KD0hW4HSPyK67pXx1zoLyOEM_J-8/view
3	I/I	Matrices & Calculus	https://drive.google.com/file/d/1Wfl8vJadxfKrloiNIwL4sViFA1Ulim9l/view
4	I/I	Professional English - I	https://drive.google.com/file/d/1DTx9r0-yLaOWWaPVj84GKKgz5jRLOQ77/view
5	I/I	Engineering Chemistry	https://drive.google.com/file/d/1Fgf6_O7vNcF2A7WAKsZX5LNbLFu3RzAZ/view



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LECTURE VIDEOS



Digital Course Materials

Department of Civil Engineering

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	II/IV	Strength of Materials	Elastic curve, governing differential equation	https://nptel.ac.in/courses/105107123	https://www.nprcet.org/site/content?id=1557&&sch_id=75
			Double integration method		https://www.nprcet.org/site/content?id=1558&&sch_id=75
			Macaulay's methods		https://www.nprcet.org/site/content?id=1559&&sch_id=75
			Area moment method		https://www.nprcet.org/site/content?id=1560&&sch_id=75
			conjugate beam method for computation of slopes and deflections of determinant beams		https://www.nprcet.org/site/content?id=1562&&sch_id=75
2	II/III	Construction Materials and Technology	Deterioration of stones	NPTEL :: Civil Engineering - Civil Engineering - Building materials and Construction	https://www.youtube.com/watch?v=jkdc5ia5IVA&list=PL6749XiErQY39rxftOUPwJHoJd0PCVTsY&index=3
			Bricks and Manufacturing Process		https://www.youtube.com/watch?v=mwEqYtHf7P0&list=PL6749XiErQY39rxftOUPwJHoJd0PCVTsY&index=4



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			Test on Bricks		https://www.youtube.com/watch?v=IyXXHdbuYIk&list=PL6749XiErQY39rxftOUPwJHoJd0PCVTsY&index=5
			Concrete Blocks		https://www.youtube.com/watch?v=8cYnQZNB2f8&list=PL6749XiErQY39rxftOUPwJHoJd0PCVTsY&index=6
3	III/V	Design of Reinforced Cement Concrete Elements	Design Philosophies	https://archive.nptel.ac.in/courses/105/105/105105105/	https://www.nprcet.org/site/content?id=1570&&sch_id=75
			Determination of Stress by WSM- Part-1		https://www.nprcet.org/site/content?id=1571&&sch_id=75
			Determination of Stress by WSM-Part - 2		https://www.nprcet.org/site/content?id=1572&&sch_id=75
			Design of Singly Reinforced beam by WSM		https://www.nprcet.org/site/content?id=1573&&sch_id=75
			Design of Singly and Doubly Reinforced beam by LSM		https://www.nprcet.org/site/content?id=1574&&sch_id=755
4	III/V	Highway Engineering	Highway planning	https://nptel.ac.in/courses/105101087	https://www.nprcet.org/site/content?id=1568&&sch_id=75
			Classification of Roadways		https://www.nprcet.org/site/content?id=1569&&sch_id=75



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5	III/V	Remote Sensing Concepts	Rudiments of remote sensing	https://nptel.ac.in/courses/105107201	
			Interaction of EM radiation with Atmosphere and earth surface		
			Remote sensing Platforms		
			Image enhancement		
			Landsat and SPOT		
6	II/III	Surveying & Levelling	Equipment and accessories for ranging and chaining	https://nptel.ac.in/courses/105107122	
			Methods of leveling		
			Single Plane method and Double Plane method.		
			Horizontal and vertical control		
			GPS		



Department of Computer Science and Engineering

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	I/I	Problem Solving and Python Programming	Fundamentals of Computing -Algorithmis	https://archive.nptel.ac.in/courses/106/106/106106182/	https://www.nprcolleges.org/site/content?id=2520&&sch_id=75
			notation (pseudo code, flow chart,programming language)		https://www.nprcolleges.org/site/content?id=2521&&sch_id=75
			Algorithmic problem solving, simple strategies for developing algorithms		https://www.nprcolleges.org/site/content?id=2522&&sch_id=75
			Programmig Languages		https://www.nprcolleges.org/site/content?id=2523&&sch_id=75
			Illustrative Problems		https://www.nprcolleges.org/site/content?id=2524&&sch_id=75
2	II / III	Foundations of Data Science	Introduction ,Benifits and uses, Facets of Data	https://onlinecourses.nptel.ac.in/noc21_cs69/preview	https://www.nprcolleges.org/site/content?id=2525&&sch_id=75
			Overview of Data Science Process		https://www.nprcolleges.org/site/content?id=2526&&sch_id=75
			Data Mining		https://www.nprcolleges.org/site/content?id=2527&&sch_id=75
			Data Warehousing		https://www.nprcolleges.org/site/content?id=2528&&sch_id=75
			Basic. Statisticals Descriptions of Data		https://www.nprcolleges.org/site/content?id=2529&&sch_id=75
3	III / V	Theory of Computation	Introduction	https://onlinecourses.nptel.ac.in/noc24_cs49/preview	https://www.nprcet.org/site/content?id=1600&&sch_id=75
			Automata Fundamentals		https://www.nprcet.org/site/content?id=1602&&sch_id=75
			Deterministic Finite Automata		https://www.nprcet.org/site/content?id=1633&&sch_id=75

					https://www.nprcet.org/site/content?id=1634&&sch_id=75 https://www.nprcet.org/site/content?id=1637&&sch_id=75 https://www.nprcet.org/site/content?id=1661&&sch_id=75 https://www.nprcet.org/site/content?id=1663&&sch_id=75 https://www.nprcet.org/site/content?id=1690&&sch_id=75
			Nondeterministic Finite Automata Equivalence of DFA and NFA Finite Automata with Epsilon Transitions Examples		
4	III/V	Computer Networks	Networks & Topology Network Types Protocol Layering TCP/IP Protocol Suite OSI Model	https://onlinecourses.nptel.ac.in/noc24_cs19/preview	https://www.nprcet.org/site/content?id=1692&&sch_id=75 https://www.nprcet.org/site/content?id=1694&&sch_id=75 https://www.nprcet.org/site/content?id=1695&&sch_id=75 https://www.nprcet.org/site/content?id=1696&&sch_id=75 https://www.nprcet.org/site/content?id=1697&&sch_id=75
5	II/III	OBJECT ORIENTED PROGRAMMING	Introduction to OOP Concepts Defining classes in Java Constructors, methods Data Types, Variables, Operators Control Flow	https://onlinecourses.nptel.ac.in/noc24_cs43/preview	https://www.nprcet.org/site/content?id=1381&&sch_id=75 https://www.nprcet.org/site/content?id=1387&&sch_id=75 https://www.nprcet.org/site/content?id=1390&&sch_id=75 https://www.nprcet.org/site/content?id=1392&&sch_id=75 https://www.nprcet.org/site/content?id=1401&&sch_id=75



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6	III/VI	Mobile Computing	Generations of Mobile Computing	https://archive.nptel.ac.in/noc/courses/noc16/SEM2/noc16-cs13/	https://www.nprcolleges.org/site/content?id=2535&&sch_id=75
			GSM		https://www.nprcolleges.org/site/content?id=2536&&sch_id=75
			Mobile IP		https://www.nprcolleges.org/site/content?id=2537&&sch_id=75
			Mobile TCP		https://www.nprcolleges.org/site/content?id=2538&&sch_id=75
			Mobile Deivce Operating system		https://www.nprcolleges.org/site/content?id=2539&&sch_id=75
7	IV/VIII	Green Computing	Green IT Fundamentals	https://www.youtube.com/watch?v=zz_8F3cenBk	https://www.nprcolleges.org/site/content?id=2611&&sch_id=75
			Carbon Footprint		https://www.nprcolleges.org/site/content?id=2612&&sch_id=75
			Scoop on Power		https://www.nprcolleges.org/site/content?id=2613&&sch_id=75
			Green IT - Four Dimensions		https://www.nprcolleges.org/site/content?id=2614&&sch_id=75
			Green assets and infrastructure		https://www.nprcolleges.org/site/content?id=2615&&sch_id=75
8	IV/VIII	Cloud Computing	NIST cloud computing reference architecture	https://onlinecourses.nptel.ac.in/noc21_cs14/preview	https://www.nprcolleges.org/site/content?id=2530&&sch_id=75
			Public, Private & Hybrid cloud		https://www.nprcolleges.org/site/content?id=2531&&sch_id=75
			Cloud Service Models		https://www.nprcolleges.org/site/content?id=2532&&sch_id=75
			Cloud Service Provider		https://www.nprcolleges.org/site/content?id=2533&&sch_id=75
			STaaS		https://www.nprcolleges.org/site/content?id=2534&&sch_id=75



Department of Electronics and Communication Engineering

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	II/III	Signals and Systems	Signals and Systems	(92) 1. Introduction to the Course and Basic Concepts - YouTube	https://www.nprcolleges.org/site/content?id=2474&&sch_id=75
			Introduction to Signal & system	https://m.youtube.com/watch?v=0nZYen9w_eo&list=PLyqSpQzTE6M8KJXQ1m2v13nd2ZUqKEN8&index=1	https://www.nprcet.org/site/content?id=1360&&sch_id=75
			Periodic and Aperiodic signals	https://m.youtube.com/watch?v=XqBjqlhgM1w	https://www.nprcet.org/site/content?id=1365&&sch_id=75
			Even and odd signals	https://m.youtube.com/watch?v=ieSIj2XUgAo	https://www.nprcet.org/site/content?id=1367&&sch_id=75
			Energy and power signals	https://m.youtube.com/watch?v=KtLtgz_P_iY	https://www.nprcet.org/site/content?id=1376&&sch_id=75
			Linear and Non-linear system	https://m.youtube.com/watch?v=wOQDGvCLOs8	https://www.nprcet.org/site/content?id=1369&&sch_id=75
			Time variant and time invariant system	https://m.youtube.com/watch?v=LezLNMznZm4	https://www.nprcet.org/site/content?id=1371&&sch_id=75
			Static and dynamic system	https://m.youtube.com/watch?v=xJHJbo3VnmY	https://www.nprcet.org/site/content?id=1372&&sch_id=75
3	II/III	Electronics Circuits -I	Fixed bias	https://m.youtube.com/watch?v=vggipesVGRU	https://www.nprcet.org/site/content?id=1414&&sch_id=75
			Collector to base bias	https://m.youtube.com/watch?v=vggipesVGRU&t=9s	https://www.nprcet.org/site/content?id=1415&&sch_id=75
			voltage divider bias	https://m.youtube.com/watch?v=qXdBCResKvw&t=45s	https://www.nprcet.org/site/content?id=1417&&sch_id=75
			Bias compensation	https://m.youtube.com/watch?v=5_MpULxwjjg	https://www.nprcet.org/site/content?id=1413&&sch_id=75

			Bias using FET	(134) FET Biasing, Current Sources - YouTube	https://www.nprcet.org/site/content?id=1416&sch_id=75
4	II/III	Digital Principles and Computer Organization	Instruction Set Architecture	(92) Lecture -1 Introduction to Computer Architecture - YouTube	https://www.nprcolleges.org/site/content?id=2475&sch_id=75
5	II/IV	Communication Theory	Amplitude Modulation System	https://m.youtube.com/watch?v=S8Jod9AtpN4	https://www.nprcet.org/site/content?id=1389&sch_id=75
			Modification of AM&DSB-SC	https://m.youtube.com/watch?v=6028j9VLIXA	https://www.nprcet.org/site/content?id=1382&sch_id=75
			SSBSC AM	https://m.youtube.com/watch?v=3dGEk5bzNo c	https://www.nprcet.org/site/content?id=1386&sch_id=75
			AM Generation and Detection	https://m.youtube.com/watch?v=_YahdHyZLL 4&t=2013s	https://www.nprcet.org/site/content?id=1378&sch_id=75
			Super heterodyne receiver	https://m.youtube.com/watch?v=bd5XkVqdW Og	https://www.nprcet.org/site/content?id=1388&sch_id=75
6	II/IV	Linear Integrated Circuits	Precision Rectifier	https://m.youtube.com/watch?v=uHqVngYuQt g	https://www.nprcet.org/site/content?id=1422&sch_id=75
			Clipper and Clamper	https://m.youtube.com/watch?v=aO6tA1z933k	https://www.nprcet.org/site/content?id=1419&sch_id=75
			Comparator	https://m.youtube.com/watch?v=XDZNiPySu W4	https://www.nprcet.org/site/content?id=1420&sch_id=75
			Schmitt Trigger	https://m.youtube.com/watch?v=7FepL3KO-LI	https://www.nprcet.org/site/content?id=1424&sch_id=75
7	II/IV	Communication Engineering	Communication Engineering	(92) Lecture - 1 Introduction to Communication Engineering - YouTube	https://www.nprcolleges.org/site/content?id=2476&sch_id=75
8	III/V	Basics of Biomedical Instrumentation	Introduction to Biomedical instrumentation	https://m.youtube.be/sH s4QuUaao	https://www.nprcet.org/site/content?id=1427&sch_id=75
			Origin of bio potential	https://m.youtu.be/2UtH 0H0hhCk	https://www.nprcet.org/site/content?id=1428&sch_id=75



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			Electrodes	https://m.youtu.be/49C WbXNJ3WE	https://www.nprcet.org/site/content?id=1430&sch_id=75
			Basic Components Of Biomedical System	https://m.youtu.be/bm8f EdNjN7g	https://www.nprcet.org/site/content?id=1436&sch_id=75
			Recording Problems	https://m.youtu.be/Exnz ByQiTLc	https://www.nprcet.org/site/content?id=1433&sch_id=75
9	III/V	Discrete-time Signal Processing	Introduction to DSP	https://m.youtube.com/watch?v=6dFnpz_AEYA&list=PL9567DFCA3A66F299&index=1	https://www.nprcet.org/site/content?id=1407&sch_id=75
			Properties of DFT	https://m.youtube.com/watch?v=gpv4h2fcKdA	https://www.nprcet.org/site/content?id=1395&sch_id=75
			Fast Fourier Transform	https://m.youtube.com/watch?v=z7X6jgFnB6Y	https://www.nprcet.org/site/content?id=1403&sch_id=75
			Problem using DIT-FFT algorithm	https://m.youtube.com/watch?v=RioJKiSBlyg	https://www.nprcet.org/site/content?id=1406&sch_id=75
			Problem using DIF-FFT algorithm	https://m.youtube.com/watch?v=nMfr5dcV860	https://www.nprcet.org/site/content?id=1399&sch_id=75
10	III/V	Satellite Communication	Satellite Communication	(92) satellite communication by nptel - YouTube	https://www.nprcolleges.org/site/content?id=2477&sch_id=75
11		4G/5G Communication Networks	5G Service based Architecture	(92) Lecture 01: Evolution of wireless Communication - YouTube	https://www.nprcolleges.org/site/content?id=2478&sch_id=75
12		VLSI and Chip Design	CMOS Integrated Circuits	(92) CMOS Digital VLSI Design - YouTube	https://www.nprcolleges.org/site/content?id=2479&sch_id=75
13		Avionics Systems	Avionics Systems	(92) General Introduction: Airplane Performance Characteristics - YouTube	https://www.nprcolleges.org/site/content?id=2480&sch_id=75



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14		Communication Networks	Communication Networks	(92) Lecture -1 Emergence of Networks & Reference Models - YouTube	https://www.nprcolleges.org/site/content?id=2481&&sch_id=75
15	IV/VII	Embedded and Real Time Systems	Embedded Programming	(92) Lecture -1 Embedded Systems: Introduction - YouTube	https://www.nprcolleges.org/site/content?id=2482&&sch_id=75
16		Industrial Safety	Industrial Safety	(92) Industrial Safety Engineering by Prof J Maiti - YouTube	https://www.nprcolleges.org/site/content?id=2483&&sch_id=75



Department of Electrical and Electronics Engineering

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	I/II	Basic Electrical and Electronics Engineering-Unit II	Measurements and Instrumentation	https://youtu.be/INyGWYa5R	https://www.nprcolleges.org/site/content?id=2562&&sch_id=75
			3 Phase Induction Motor	https://youtu.be/INyGWYa5R	https://www.nprcolleges.org/site/content?id=2563&&sch_id=75
			Transformers	https://youtu.be/INyGWYa5R	https://www.nprcolleges.org/site/content?id=2565&&sch_id=75
			Electronic Devices	https://youtu.be/INyGWYa5R	https://www.nprcolleges.org/site/content?id=2578&&sch_id=75
			Wiring circuits	https://youtu.be/INyGWYa5R	https://www.nprcolleges.org/site/content?id=2579&&sch_id=75
2	II/III	Electric Drives- Unit II	Basics of Electric Drives	https://archive.nptel.ac.in/courses/108/104/108104140/	https://www.nprcolleges.org/site/content?id=2590&&sch_id=75
			Mult quadrant operation of Electric Drives	https://archive.nptel.ac.in/courses/108/104/108104140/	https://www.nprcolleges.org/site/content?id=2591&&sch_id=75
			Electric Vehicle	https://nptel.ac.in/courses/108106170	https://www.nprcolleges.org/site/content?id=2592&&sch_id=75
			Hybrid Electric Vehicle	https://nptel.ac.in/courses/108106170	https://www.nprcolleges.org/site/content?id=2593&&sch_id=75
			PEM fuel cell based Electric Vehicle	https://archive.nptel.ac.in/courses/103/102/103102015/	https://www.nprcolleges.org/site/content?id=2594&&sch_id=75
3	II/III	Power Plant Engineering	Layout of power plant	https://archive.nptel.ac.in/courses/112/107/112107291/	https://www.nprcolleges.org/site/content?id=2557&&sch_id=75
			Gas turbine power plant	https://archive.nptel.ac.in/courses/112/107/112107291/	https://www.nprcolleges.org/site/content?id=2558&&sch_id=75
			Nuclear Power plant	https://archive.nptel.ac.in/courses/112/107/112107291/	https://www.nprcolleges.org/site/content?id=2559&&sch_id=75
			Hydro Electric Power	https://archive.nptel.ac.in/courses/112/107/112107291/	https://www.nprcolleges.org/site/content?id=2559&&sch_id=75

			Plant	/107/112107291/	?id=2560&&sch_id=75
			Various terms and definitions of load	https://archive.nptel.ac.in/courses/112/107/112107291/	https://www.nprcolleges.org/site/content?id=2561&&sch_id=75
4	II/III	Electromagnetic Fields	Introduction	https://archive.nptel.ac.in/courses/108/106/108106073/	https://www.nprcolleges.org/site/content?id=2580&&sch_id=75
			Magnetic Scalar & Vector Potential	https://archive.nptel.ac.in/courses/108/106/108106073/	https://www.nprcolleges.org/site/content?id=2581&&sch_id=75
			Ampere circuital law	https://archive.nptel.ac.in/courses/108/106/108106073/	https://www.nprcolleges.org/site/content?id=2582&&sch_id=75
			Magnetostatic Boundary condition	https://archive.nptel.ac.in/courses/108/106/108106073/	https://www.nprcolleges.org/site/content?id=2583&&sch_id=75
			Inductance	https://archive.nptel.ac.in/courses/108/106/108106073/	https://www.nprcolleges.org/site/content?id=2584&&sch_id=75
5	III/V	Power System Analysis	Introduction to power systems analysis	https://archive.nptel.ac.in/courses/108/107/108107028/	https://www.nprcolleges.org/site/content?id=2585&&sch_id=75
			Reactance and Single Line diagram	https://archive.nptel.ac.in/courses/108/107/108107028/	https://www.nprcolleges.org/site/content?id=2586&&sch_id=75
			Reactance diagram and sample problems	https://archive.nptel.ac.in/courses/108/107/108107028/	https://www.nprcolleges.org/site/content?id=2587&&sch_id=75
			Bus admittance matrix	https://archive.nptel.ac.in/courses/108/107/108107028/	https://www.nprcolleges.org/site/content?id=2588&&sch_id=75
			Bus Impedance Matrix	https://archive.nptel.ac.in/courses/108/107/108107028/	https://www.nprcolleges.org/site/content?id=2589&&sch_id=75
6	III/V I	Embedded System	Introduction to Embedded System Design	https://nptel.ac.in/courses/108102045	https://www.nprcolleges.org/site/content?id=2596&&sch_id=75
			Direct Memory Access	https://nptel.ac.in/courses/108102045	https://www.nprcolleges.org/site/content?id=2597&&sch_id=75
			Architecture of Embedded System	https://nptel.ac.in/courses/108102045	https://www.nprcolleges.org/site/content?id=2598&&sch_id=75
			Memory Organisation	https://nptel.ac.in/courses/108102045	https://www.nprcolleges.org/site/content?id=2599&&sch_id=75



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7	IV/VI I	High Voltage Engineering	Lightning	https://archive.nptel.ac.in/courses/108/104/108104048/	https://www.nprcolleges.org/site/content?id=2600&&sch_id=75
			Simpson's Theory	https://archive.nptel.ac.in/courses/108/104/108104048/	https://www.nprcolleges.org/site/content?id=2601&&sch_id=75
			Wilson's Theory	https://archive.nptel.ac.in/courses/108/104/108104048/	https://www.nprcolleges.org/site/content?id=2602&&sch_id=75
			Protection Systems	https://archive.nptel.ac.in/courses/108/104/108104048/	https://www.nprcolleges.org/site/content?id=2603&&sch_id=75
			Lattice Plane	https://archive.nptel.ac.in/courses/108/104/108104048/	https://www.nprcolleges.org/site/content?id=2604&&sch_id=75
8	II/III	Digital Logic Circuit	Boolean Laws used in Digital Logic ircuit	https://archive.nptel.ac.in/courses/108/105/108105113/	https://www.nprcolleges.org/site/content?id=2605&&sch_id=75
			Combinational Logic gates	https://archive.nptel.ac.in/courses/108/105/108105113/	https://www.nprcolleges.org/site/content?id=2606&&sch_id=75
			Flipflops	https://archive.nptel.ac.in/courses/108/105/108105113/	https://www.nprcolleges.org/site/content?id=2607&&sch_id=75
			K Map Simplification	https://archive.nptel.ac.in/courses/108/105/108105113/	https://www.nprcolleges.org/site/content?id=2609&&sch_id=75
			Minimization of Boolean function using K Map	https://archive.nptel.ac.in/courses/108/105/108105113/	https://www.nprcolleges.org/site/content?id=2610&&sch_id=75



Department of Master of Business Administration

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	II/III	Industrial Relations and Labour Welfare	New Indian Labour Codes	https://www.youtube.com/watch?v=sFhUTj_RMvU&t=17s	https://www.nprcolleges.org/site/content?id=1274&&sch_id=75
			Government Policies	https://www.youtube.com/watch?v=ONGCK80StsQ	
			History of Labour Law in India	https://www.youtube.com/watch?v=zYrCnvgu7xU	
			Social Security Regulation in India	https://www.youtube.com/watch?v=cXNrRCY6Qvw	
			National Labour Commission Reports	https://www.youtube.com/watch?v=HeivMA2CMxI	
2	I/I	Management Concepts and Organization Behaviour	Introduction of OB	https://www.youtube.com/watch?v=CRpqsuM36oo	https://www.nprcolleges.org/site/content?id=2496&&sch_id=75
			Assumptions of OB	https://www.youtube.com/watch?v=6K7cQjV53jk	
			Levels of OB	https://www.youtube.com/watch?v=juR3gzlhOZ0	
			Applications of OB	https://www.youtube.com/watch?v=HeivMA2CMxI	
			Organisation behaviour model	https://www.youtube.com/watch?v=qLOIMuSAJko	
3	I/I	Legal Aspects of Business	Definition of contract, essentials	https://archive.nptel.ac.in/content/mp4/110/105/110105159/M P4/mod04lec16.mp4	https://www.nprcolleges.org/site/content?id=2497&&sch_id=75



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			elements and types of a contract		
			Formation of a contract, performance of contracts, breach of contract and its remedies	https://archive.nptel.ac.in/content/mp4/110/105/110105159/M/P4/mod04lec17.mp4	
			Quasi contracts - Contract Of Agency	https://archive.nptel.ac.in/content/mp4/110/105/110105159/M/P4/mod04lec18.mp4	
			Nature of agency, Creation and types of agents, Authority and liability of Agent and principal	https://archive.nptel.ac.in/content/mp4/110/105/110105159/M/P4/mod04lec19.mp4	
			Rights and duties of principal and agents, termination of agency	https://archive.nptel.ac.in/content/mp4/110/105/110105159/M/P4/mod04lec20.mp4	
4	II/III	Security Analysis and Portfolio Managem	Rights and duties of principal and agents, termination of	https://www.youtube.com/watch?v=ope5Y3Mrsaw	https://www.nprcolleges.org/site/content?id=2498&&sch_id=75



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		ent	agency		
			Characteristics and objectives of Investment	https://www.youtube.com/watch?v=bp76hNEIjAs	
			Investment process, Investment alternatives	https://www.youtube.com/watch?v=fGrS8fRilS4	
			Choice and Evaluation	https://www.youtube.com/watch?v=H9hvDKLI-hQ	
			Risk and return concepts	https://www.youtube.com/watch?v=WOozUiNRd5M	



Department of Mechanical Engineering

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	II / III	Engineering Mechanics	Rectangular force component	Lec 03 Force Systems I (youtube.com)	https://www.nprcolleges.org/site/content?id=2542&&sch_id=75
			Couple	Lecture 03: Moment, Couple & Static Equilibrium (youtube.com)	
			Parallel axis theorem	Moment of inertia, and theorems of perpendicular and parallel axes - YouTube	
			Dry Friction	Dry friction I - introduction with an example (youtube.com)	
			Circular Motion	Lec 22 Circular Motion (youtube.com)	
2	III / VI	Welding Technology	Physics of welding arc	Lec 8 - Physics of Welding Arc (youtube.com)	
			Resistance Spot Welding	Resistance Spot Welding	
			Explosive Welding	Lec 26 - Explosive welding (youtube.com)	
			Friction Stir Welding	FSW mod 11 lec 53	https://www.nprcolleges.org/site/content?id=2540&&sch_id=75
			Welding defects	Lec 24: Welding Defects and Inspection (youtube.com)	
3	IV / VII	Mechatronics	Automatic Control	https://archive.nptel.ac.in/courses/112/107/112107240/	https://www.nprcolleges.org/site/content?id=2543&&sch_id=75
			Element of Mechatronics	https://archive.nptel.ac.in/courses/112/101/112101304/	https://www.nprcolleges.org/site/content?id=2544&&sch_id=75
			Introduction to Mechatronics	https://archive.nptel.ac.in/courses/112/101/112101304/	https://www.nprcolleges.org/site/content?id=2545&&sch_id=75
			Measurement System	http://www.digimat.in/nptel/courses/video/112107242/L34.html	https://www.nprcolleges.org/site/content?id=2546&&sch_id=75
			Sequential control	https://archive.nptel.ac.in/courses/108/105/10810	https://www.nprcolleges.org/site/content?id=254



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				5088/	7&&sch id=75
4	IV/VII	Process Planning and Cost Estimation	Introducti on To Process Planning	https://www.youtube.com/watch?v=v24meNZbUoU	https://www.nprcet.org/site/content?id=1532&&sch id=75
			Tool Selection	https://youtu.be/XJRhYxlrJWk	https://www.nprcet.org/site/content?id=1532&&sch id=76
			Process Selection	https://youtu.be/dXJRbnykX_I	https://www.nprcet.org/site/content?id=1532&&sch id=78
5	IV/VII	ENGINEERING ECONOMIC S	ELEMENT ARY OF ECONOMIC ANALYSIS	Mod-01 Lec-36 Introduction to Economics (youtube.com)	https://www.nprcet.org/site/content?id=1539&&sch id=75
			Engineering Economics Analysis Procedure	Mod-01 Lec-36 Introduction to Economics - YouTube	https://www.nprcet.org/site/content?id=1539&&sch id=76
			Elements of Cost	https://www.youtube.com/watch?v=RaXQ8wQ6TUs&t=876s	https://www.nprcet.org/site/content?id=1539&&sch id=77
6	IV/VII	Maintenance Engineering	Objective s and principles of planned maintenance activity	https://you.be/UOuuTBCrW2kY	https://www.nprcet.org/site/content?id=1555&&sch id=75
			Importance and benefits of sound Maintenance Systems	https://you.be/wlH9eX9OOec	
			Reliability and machine availability	https://you.be/fVEYSTkGP2g	
7	IV/VII	Dynamics Of Machines	Force on the Reciprocating parts	https://nptel.ac.in/courses/112/104/112104114/	https://www.nprcet.org/site/content?id=1563&&sch id=75
			Inertia effect of connecting rod	https://nptel.ac.in/courses/112/101/112101096/	
			Inertia effect of Piston	https://youtu.be/p075LPq3Eas	
8	II/III	Engineering Thermodyna	Zeroth Law of Thermodynamics	https://youtu.be/xQwi9fveGTQ	



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Natham, Dindigul - 624 401. Web: www.nprcet.org



		mics	First Law of Thermodynamics	https://youtu.be/SUVVheK0rf4	https://www.nprcolleges.org/site/content?id=2541&&sch_id=75
			Second Law of Thermodynamics	https://youtu.be/-sTNIvtH-ac	
			Psychometric Processes	https://youtu.be/avT6GIFJ3Lc	
			Vapour Power Cycle	https://youtu.be/O2FwEIKg3ts	



Department of Science and Humanities

S. No.	Year / Semester	Name of the Subject	Title	NPTEL Links	Link for Video Lectures
1	I/I	Communicative English - I	Tenses	https://www.digimat.in/nptel/courses/video/109106094/L14.html	https://www.nprcolleges.org/site/content?id=2499&&sch_id=75
			Modal Verbs	https://www.youtube.com/watch?v=XydUurLvaf0	https://www.nprcolleges.org/site/content?id=2500&&sch_id=75
			Preposition	https://www.digimat.in/nptel/courses/video/109106094/L03.html	https://www.nprcolleges.org/site/content?id=2501&&sch_id=75
2	I/I	Engineering Physics	Crystallography	https://www.youtube.com/watch?v=bnrFe50t6xw	https://www.nprcolleges.org/site/content?id=2502&&sch_id=75
3		Engineering Chemistry	Phase Rule	https://www.youtube.com/watch?v=kGQiiVMjHKc	https://www.nprcolleges.org/site/content?id=2503&&sch_id=75
			Heat treatment of alloys	https://www.youtube.com/watch?v=3IQz9LAPuIA	https://www.nprcolleges.org/site/content?id=2504&&sch_id=75
4	I/II	Communicative English - II	Nouns	https://www.digimat.in/nptel/courses/video/109106094/L04.html	https://www.nprcolleges.org/site/content?id=2505&&sch_id=75
			Parts of Speech	https://www.youtube.com/watch?v=tk9y7xkOcNs	https://www.nprcolleges.org/site/content?id=2506&&sch_id=75
			Wh questions	https://www.youtube.com/watch?v=xuk9yPgpXIE	https://www.nprcolleges.org/site/content?id=2507&&sch_id=75
5	II/II	Physics for Electronics Engineering	Crystallography	https://www.youtube.com/watch?v=bnrFe50t6xw	https://www.nprcolleges.org/site/content?id=2502&&sch_id=75
6			Discrete Mathematics	Laws of Logic	https://www.youtube.com/watch?v=lksWOzIjB9s
			Logic and Connectives	https://www.youtube.com/watch?v=YYQfYBNlfZg	https://www.nprcolleges.org/site/content?id=2509&&sch_id=75

			Truth Table- Tautology and Contradiction	https://www.youtube.com/watch?v=xyIIP7qipbs	https://www.nprcolleges.org/site/content?id=2510&&sch_id=75
7		Probability and Complex Function	Binomial Distribution	https://www.youtube.com/watch?v=HRQHVuQkKGE	https://www.nprcolleges.org/site/content?id=2511&&sch_id=75
			Sampling Distribution-Central limit Theorem	https://www.youtube.com/watch?v=XMKaSwC6rqA	https://www.nprcolleges.org/site/content?id=2512&&sch_id=75
			Normal Distribution	https://www.youtube.com/watch?v=OZ_SA8H6JXU	https://www.nprcolleges.org/site/content?id=2513&&sch_id=75
			Poisson Distribution	https://www.youtube.com/watch?v=8MpgZJHcB8w	https://www.nprcolleges.org/site/content?id=2514&&sch_id=75
8		Statistics and Numerical Methods	Introduction to Statistics	https://www.youtube.com/watch?v=COI0BUmNHT8&list=PLyqSpQzTE6M_JcleDbrVyPnE0PixKs2JE	https://www.nprcolleges.org/site/content?id=2515&&sch_id=75
			Testing of Hypothesis	https://www.youtube.com/watch?v=8oNGkvuRP60	https://www.nprcolleges.org/site/content?id=2516&&sch_id=75