AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING

Department of Electrical Engineering
E-Content on YouTube

Sr No	Class	Subject	Topic Name	Link Name
1	FE	BEE	Electric & Magnetic Field Analogy & Disimalirity	https://youtu.be/Tr2yc3eMNpc
2	FE	BEE	Introduction of Meters used to Measure Electrical Parameters	https://youtu.be/bf3DxF93a-8
3	FE	BEE	Laws & Rules Governing Electrical Applications	https://youtu.be/MdkXHYcsQpg
4	FE	BEE	Safety Precautions when working with Electrical Systems Practical 1	https://www.youtube.com/watch?v=YLHQOnITH6c
5	FE	BEE	Introduction to Active,Reactive,Apparent power	https://www.youtube.com/watch?v=Avt1ff-CBnc
6	FE	BEE	Expression for Energy stored in Capacitor	https://www.youtube.com/watch?v=GEO0idvI8EE
7	SE	Numerical Method and Computer programming	Descarte's Rule of Sign and Intermediate Value theorem	https://youtu.be/7_-eh17DqCk
8	SE	Numerical Method and Computer programming	Numerical on Bisection Method	https://youtu.be/Qr81FPkaCZM
9	SE	Numerical Method and Computer programming	Regula Falsi Method	https://youtu.be/cfLEVeO-sU0
10	SE	Numerical Method and Computer	Numerical on Regula Falsi Method	https://youtu.be/ZNEqlqgHYLk

		programming		
11	SE	Numerical Method and Computer programming	Numerical on Birge Vieta Method	https://youtu.be/iX-DkPxNM9M
12	SE	Numerical Method and Computer programming	Bisection Method	https://youtu.be/6ElMikebTiE
13	SE	Numerical Method and Computer programming	Numerical on least Square Approximation to fit second degree polynomial	https://youtu.be/wCKfjxv2p6c
14	SE	Numerical Method and Computer programming	Numerical on least Square Approximation to fit Straight line	https://youtu.be/8_4t8OmwJW8
15	SE	Numerical Method and Computer programming	Numerical on Newton Raphson Method	https://youtu.be/NkLNaWs4lC4
16	SE	Numerical Method and Computer programming	Numerical On Integration	https://youtu.be/vSRbE1iaFi8
17	SE	Network Analysis	Basic of Elecric Circuits	https://youtu.be/IvTpwZrqVoE
18	SE	Network Analysis	Sources of Electric Circuits	https://youtu.be/uqa6tMQ534E
19	SE	Network Analysis	Classification of sources	https://youtu.be/Wxh4haVi5c0
20	SE	FMA	Pin Description of 8051 Micro-controller	https://youtu.be/QH4uYSsdhN0
21	SE	FMA	Addressing Modes Of 8051	https://youtu.be/Ap3dofVwLgw

22	SE	FMA	Memory organization of 8051 Micro-controller	https://youtu.be/p8nVuBu-YgQ
23	SE	FMA	Program Status Register	https://youtu.be/Z7ypghJCkZQ
24	SE	Electrical Machines I	DC Motor 1	https://youtu.be/oJ1CgYC58JY
25	SE	Electrical Machines I	Back EMF as Regulating mechanism	https://youtu.be/ko_5491Yp28
26	SE	Electrical Machines I	Need of starter for DC Motors	https://youtu.be/yDjgr0hbEWY
27	SE	Electrical Machines I	Comparison of three point and four point starter for DC Motors	https://youtu.be/6Wt1FXvyBvM
28	SE	PSI	Types of Electrical Loads in Power System	https://youtu.be/eKbtnOStGq0
29	SE	PSI	Excitation system for Alternators	https://youtu.be/MJ6iaShH_xY
30	SE	PSI	Suspension type, Shackle & Strain Insulators	https://youtu.be/SknEbeScl5A
31	SE	PSI	Overhead line insulators	https://youtu.be/l2h-YZIgp1o
32	SE	PSI	Underground Cables	https://youtu.be/MBPJx_STNGM
33	SE	PSI	Line supports	https://youtu.be/mR9jAO1581I
34	SE	PSI	PS I Numerical of Calculation of Capacitance and charging current of Single core cable	https://youtu.be/Y8U0L9nHLek
35	TE	DEM	OP Equation of single phase transformer	https://youtu.be/P3xtUnHXv3g
36	TE	DEM	Numerical on calculation of output of a	https://youtu.be/h6kE4WKEhxU

			transformer	
37	TE	DEM	Numerical on no load current	https://youtu.be/Huvui7rfLvc
38	TE	DEM	No load current derivation	https://youtu.be/cwi7LCbOHnU
39	TE	DEM	Main Dimensions of induction motor	https://youtu.be/-RHWxH7r9YU
40	TE	DEM	Numerical on leakage reactance	https://youtu.be/TCoRj1tg7_U
41	TE	DEM	Radial Force	https://youtu.be/juBUzYj0B38
42	TE	DEM	Magnetising current induction motor	https://youtu.be/Y0LebNArgw8
43	TE	DEM	Axial mechanical force numerical	https://youtu.be/LHwMbIB1NtY
44	TE	EAM	Classification of Energy Resources	https://youtu.be/cgHzHcQSe6A
45	TE	EAM	Commercial Energy Production	https://youtu.be/h6UtLCueOQo
46	TE	EAM	Indian Energy Scenario	https://youtu.be/0VL0ip0MN4Q
47	TE	EAM	Fluke 435 – II Data Analysis Part 1	https://youtu.be/hXQSoRMvO9g
48	TE	EAM	Fluke 435 – II Data Analysis Part 2	https://youtu.be/pz_TsL_BLaA
49	TE	EAM	Fluke 1748 Data Analysis Part 1	https://youtu.be/NnUDn9-1e9Q

50	TE	EAM	Fluke 1748 Data Analysis Part 2	https://youtu.be/I1riGk4mpWU
51	TE	EAM	Secure Elite 440 Multifunction Meter	https://youtu.be/wYH2PMB5NDQ
52	TE	EAM	Secure Elite 440 Multifunction Meter Part 2	https://youtu.be/AynI9oWulxg
53	TE	EAM	Webinar on Power and Power Quality Audits in industries by Jeyram Srinivasan Organized by PQ Cell	https://youtu.be/y-FSccrMYME
54	TE	EAM	EA Instrumentation	https://youtu.be/dZwbWEQx1wc
55	TE	EAM	types of EA	https://youtu.be/zIzh3J1JYfs
56	TE	EAM	Energy reforms	https://youtu.be/vuatia2GeQ8
57	TE	EAM	Financial Analysis – EA Projects	https://youtu.be/3Poih9lT0ZY
58	TE	EAM	Energy Management	https://youtu.be/pSkFsfHNCvs
59	TE	EAM	How to calculate Electricity Bill	https://youtu.be/fYhhGr3M50A
60	TE	EAM	Energy Management functions	https://youtu.be/z4l8YUbNyck
61	TE	EAM	Calculation of losses- Energy Audit	https://youtu.be/ySkCKg9cWG8
62	TE	EAM	MSEDCL Energy bill	https://youtu.be/BGnd4TLC_kU

63	TE	EAM	Types of losses	https://youtu.be/YckgYNpj1UA
64	TE	PSII	Advantages of HVAC Transmission system	https://youtu.be/3KoYKoD1pwc
65	TE	PSII	Power flow through transmission line	https://youtu.be/I204zd5dqgo
66	TE	PSII	Numerical Critical discruptive Voltage	https://youtu.be/zExD5eYbbeo
67	TE	PSII	Introduction to EHV AC	https://youtu.be/Za5N3IfW_MA
68	TE	PSII	PU System	https://youtu.be/oIQdHDqtkF4
69	TE	PSII	Changing base of Pu system	https://youtu.be/4lGFxl5xCb0
70	BE	SGP	Basics of Differential Relay	https://youtu.be/1T4a_2ty_ZE
71	BE	SGP	Torque equation of Induction Relay	https://youtu.be/lxZ_Zh-QLwM
72	BE	SGP	Basics of Impedance Relay	https://youtu.be/0CAvfck_fow
73	BE	SGP	Numerical on Time of Operation of Relay	https://youtu.be/UV_R6vOmwG4

74	BE	SGP	Single Pressure Puffer Type SF6 Circuit Breaker	https://youtu.be/wH7ixCoAsYM
75	BE	SGP	Percentage Differential Protection for Transformer	https://youtu.be/BqrOIubu--U
76	BE	SGP	Restricted Earth-Fault Protection	https://youtu.be/B_fZQYU7ICg
77	BE	SGP	Numerical on Differential Protection of Transformer	https://youtu.be/6TOEn5Kv7eU
78	BE	SGP	Numerical on Alternator Protection	https://youtu.be/0CYedvcJHdU
79	BE	SGP	Effect of Neutral Resistance on Alternator Stator Protect	https://youtu.be/viFnDZVHyW8
80	BE	PECD	Electric Drives	https://youtu.be/ovaPQETY8ys
81	BE	PECD	Multi quadrant Operation of Electric Drive	https://youtu.be/a0g2ccP_d2s
82	BE	PECD	Classes of Motor Duty	https://youtu.be/E-5jgKY2xhw

83	BE	IE	Lighting Calculations and Photometry	https://youtu.be/zyMpjAYJHiY
84	BE	HVE	Suspended particle theory	https://youtu.be/Ee06NUmnqqs
85	BE	HVE	Cavitation and bubble theory	https://youtu.be/ro4uDKVOtIc
86	BE	HVE	Stressed oil volume theory	https://youtu.be/suWgpBlhjBs
87	BE	HVE	Breakdown Theories in Solid Dielectric	https://youtu.be/zyz3jgn2eOM
88	BE	HVE	Thermal Breakdown theory in solid dielectric	https://youtu.be/qBwKK-yw4A4
88	BE	HVE	Electromechanical breakdown in solid dielectric	https://youtu.be/14IquZp88lI
89	BE	HVE	Breakdown due to Treeing and Tracking in Solid Dielectrics	https://youtu.be/HU5R_YVMy48
90	BE	SG	Introduction to smart grid	https://youtu.be/fPlUeDQIQfo

Mrs . K. S. Gadgil

Coordinator

Dr. A. D. Shiralkar

Head of Department