V.S.B. ENGINEERING COLLEGE, KARUR

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Details of the utilization of Animated and NPTEL Videos - Academic Year 2018 – 2019

Class – III year EEE

Sl. No.	Name of the Faculty	Subject code	Name of the Subject	Topic	Details of Web link	
					Web link for Animated Videos	**NPTEL Video Links**
1	Dr.K.Arun	EE6503	Power Electronics	SCR	https://www.youtube.com/watch?v=v58KiktJLyE	
2				Converters		https://www.youtube.com/watch?v=7CReXeMAXHA
3				DC-DC choppper		https://www.youtube.com/watch?v=OxIQhyAn9JE
4				Inverter		https://www.youtube.com/watch?v=7CReXeMAXHA&t=67s
5				Cycloconverter		https://www.youtube.com/watch?v=Wr0NtKm6OyQ

Sl. No.	Name of the Faculty	Subject code	Name of the Subject	Topic	Details of Web link	
					Web link for Animated Videos	**NPTEL Video Links**
1	R.ArunKumar	EE 6505	Control System Engineering	Block diagram reduction	https://www.youtube.com/watch?v=QJNAZ86rKlk	
2				Closed Loop system	https://www.youtube.com/watch?v=OS8Yxq6kYVQ	
3				Nyquist stability criterian	https://www.youtube.com/watch?v=sof3meN96MA	
4				PID Controller		https://www.youtube.com/watch?v=-To4nPh-N2A
5				Bode plot		https://www.youtube.com/watch?v=5onTrsecauw

Sl. No.	Name of the Faculty	Subject code	Name of the Subject	Topic	Details of Web link	
					Web link for Animated Videos	Web link for NPTEL Videos
1	K.Guruwaran	EE6504	Electrical Machines -II	Animation of Alternator Synchronization	https://www.youtube.com/watch?v=5O86O4nfntA	
				synchronous motor	https://www.youtube.com/results?search_query=synchronous+motor	
				Induction Motor Working Principle Animation	https://www.youtube.com/watch?v=MnQXnEiIUI8	
				direct on line DOL starter animation video	https://www.youtube.com/watch?v=s7y4AlaiBl0	
				rotor resistance starter circuit diagram	https://www.youtube.com/watch?v=jrPY9N0qAmg	
				How does single phase Induction motor work (construction and working)	https://www.youtube.com/watch?v=VJoASfg3WCw	
				rotor animation	https://www.youtube.com/watch?v=AXnqb_deDI8	

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1	M.Ramachandran	EE 6501	Power System Analysis	A One-Line diagram of a three phase system	https://www.youtube.com/watch?v=tq5kcF8LgGA&t=32s	https://www.youtube.com/watch?v=BYtY61hOiaw
				Line to Ground Fault	https://www.youtube.com/watch?v=OhUq_oeltiw&t=178s	
				Line to line fault on an unloaded generator and power systems.	https://www.youtube.com/watch?v=WKwLpRvJOCQ	
				Power angle equation of a synchronous machine	https://www.youtube.com/watch?v=4GuU4J6_kwE&t=73s	
				Power Flow Equations Part 1	https://www.youtube.com/watch?v=2Ryn9R89fnA&t=40s	
				Short Circuit Calculations and Symmetrical Components – Part 1	https://www.youtube.com/watch?v=VwgGm-N0Cpw&t=232s	
				SHORT CUT METHOD TO FIND Z-bus MATRIX LEC-1	https://www.youtube.com/watch?v=2CYoKtyO3Yc&t=839s	

				Power System Stability		https://www.youtube.com/watch?v=_Ja10PLaMP4&t=159s
				Sequence network	-	https://www.youtube.com/watch?v=NHxGvHHZTQQ
				The Ybus Admittance Matrix for Solving Power Flow Equations Part 1	https://www.youtube.com/watch?v=8jNuSwnL7HE	-

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1	Dr.K.Umamaheswari	ME6701	POWER PLANT ENGINEERING	Super Critical Boilers	https://www.youtube.com/watch?v=4TGSTNKfy8k	https://nptel.ac.in/courses/112107216/11
				FBC Boilers	https://www.youtube.com/watch?v=T6IcdLfV3G4	https://nptel.ac.in/courses/102104057/38
				Combined Cycle Power Plants	https://www.youtube.com/watch?v=KVjtFXWe9Eo	https://nptel.ac.in/courses/112105221/25
				Integrated Gasifier based Combined Cycle systems	https://www.youtube.com/watch?v=V3jfECTjMS8	
				Working of Nuclear Reactors	https://www.youtube.com/watch?v=1U6Nzcv9Vws	https://nptel.ac.in/courses/115106087/
				CANADA Deuterium-Uranium reactor (CANDU)	https://www.youtube.com/watch?v=M-o3rhxmIvs	
				Construction and working of Wind Power Plant	https://www.youtube.com/watch?v=45Xh7FKS9nM	https://nptel.ac.in/courses/108105058/24

				Principle, Construction and working of fuel cell Power Plant	https://www.youtube.com/watch?v=imV_ufIzxPY	https://nptel.ac.in/courses/112105221/41
				Pollution control technologies including Waste Disposal Options for Coal	https://slideplayer.com/slide/1499695/	

Sl. No.	Name of the Faculty	Subject code	Name of the Subject	Topic	Details of Web link	
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1	M.Iyappan	EE6502	Microprocessors and Microcontrollers	8085 Microprocessors	https://www.youtube.com/watch?v=fS7FFOaC_iQ	
				Programming Of 8085 Processor	https://www.youtube.com/watch?v=IWCAQf2-HMg	
				8051 MICRO CONTROLLER	https://www.youtube.com/watch?v=GPz_mR7Flas	
				PERIPHERAL INTERFACING	https://www.youtube.com/watch?v=l1VcOde1lno	
				Micro Controller Programming & Application	https://www.youtube.com/watch?v=iXSXIJn_Xwc&list=PLm_MSClsnwm9hEIDpFfDnOEu-6kVnF4ug	