

V.S.B. ENGINEERING COLLEGE, KARUR
Department of Electrical and Electronics Engineering
Academic Year 2017-18 (Even Semester)

CLASS II YEAR/ IV SEMESTER -VIDEO LINKS

S.NO	SUBJECT CODE	SUBJECT NAME	PAGE NO
1	HS8251	Technical English	1
2	MA8251	Engineering Mathematics - II	1
3	PH8253	Physics for Electronics Engineering	1
4	BE8252	Basic Civil and Mechanical Engineering	1
5	EE8251	Circuit Theory	1
6	GE8291	Environmental Science and Engineering	2

HS8251- TECHNICAL ENGLISH

WEB SOURCES:

<http://www.slideshare.net/rohitjsh/presentation-on-group-discussion>

http://www.washington.edu/doi/TeamN/present_tips.html

<http://www.oxforddictionaries.com/words/writing-job-applications>

<http://www.kent.ac.uk/careers/cv/coveringletters.htm>

http://www.mindtools.com/pages/article/newCDV_34.htm

MA8251-ENGINEERING MATHEMATICS-II

<http://nptel.ac.in/course/122104018/1>

<http://nptel.ac.in/downloads/122101003/>

<http://freevideolecture/course/3244/Advanced-Engineering-mathematics/12>

<http://nptel.ac.in/course/111105035/12>

<http://nptel.ac.in/course/111105035/22>

PH8253-PHYSICS FOR ELECTRONICS ENGINEERING

<https://www.youtube.com/watch?v=zaSJfYxyY1E>

<https://www.youtube.com/watch?v=aU5zFv0BjPE>

<https://www.youtube.com/watch?v=QQZ6EGf0Ju8>

<https://www.youtube.com/watch?v=oCrD1-qOPcc>

<https://www.youtube.com/watch?v=3u3jhTpUDKo>

BE8252- BASIC CIVIL AND MECHANICAL ENGINEERING

<https://www.youtube.com/watch?v=7uNNdwUGIks> - Cement Block Masonry

<https://www.youtube.com/watch?v=XsQi0Et5UI0> - Chain Surveying

<https://www.youtube.com/watch?v=U-zGJOdcMI8> - Pile Foundation

<https://www.youtube.com/watch?v=rIK7JIAz9WY>

<https://www.youtube.com/watch?v=QWD3O1TyJRg>

EE8251- CIRCUIT THEORY

<https://www.youtube.com/watch?v=wHXZ9Q5EIXk&t=101s>

<https://www.youtube.com/watch?v=fAFPHbXBjmc>

<https://www.youtube.com/watch?v=igvqOyJYAoA&t=106s>

<https://www.youtube.com/watch?v=1bosvZHPXdA>

<https://www.youtube.com/watch?v=Mq-PF1vo9QA&t=62s>
<https://www.youtube.com/watch?v=qHwQueQQe0E>
https://www.youtube.com/watch?v=x2EuYqj_0Uk&t=158s
<https://www.youtube.com/watch?v=RxbJo2kDRxE>
<https://www.youtube.com/watch?v=XiHVe8U5PhU&t=47s>
<https://www.youtube.com/watch?v=NED2Cl8u9Q0&list=PLQNC9KhS56XwsAtI28BZGC9cEGWGhuEOK>

GE8291-ENVIRONMENTAL SCIENCE AND ENGINEERING

<https://www.youtube.com/watch?v=Cd1M9xD482s>
<https://www.youtube.com/watch?v=f8eCbwg-lik>
<https://www.youtube.com/watch?v=BLlj-HDJsqw>
<https://www.youtube.com/watch?v=3GC2SnwqqsU>
<https://www.youtube.com/watch?v=9ptOY5jsVGQ>
<https://edition.cnn.com/videos/.../smog-increasing-air-pollution-india...>
<https://www.youtube.com/watch?v=UcWpkWBX04E>
<https://www.youtube.com/watch?v=y1ObvXZDQNs>
https://www.youtube.com/watch?v=71IBbTy-_n4
<https://www.youtube.com/watch?v=8B4yWebknXc>
<https://www.youtube.com/watch?v=00c4goQRLeK>
<https://www.youtube.com/watch?v=CcdXCVbeD4U>
<https://www.youtube.com/watch?v=SSIRzuE78TA>
<https://www.youtube.com/watch?v=4SzrnuTpvgs>
<https://www.youtube.com/watch?v=GslO0Z3vWXY>
<https://www.youtube.com/watch?v=RCxvbosa4fU>
<https://www.youtube.com/watch?v=oO-U4nEqL08>
<https://www.youtube.com/watch?v=LY3XQDCx0GE>
<https://www.youtube.com/watch?v=F8tihK-FgBE>
<https://www.youtube.com/watch?v=1V4NXTacjxE>
<https://www.youtube.com/watch?v=4MDLpVHY8LE>
<https://www.youtube.com/watch?v=AJlbdAgoxe>
<https://www.youtube.com/watch?v=tKsh7wTGToM>
<https://www.youtube.com/watch?v=fNurLhVqcNs>

V.S.B. ENGINEERING COLLEGE, KARUR

Department of Electrical and Electronics Engineering

Academic Year 2017-18 (Even Semester)

CLASS II YEAR/ IV SEMESTER -VIDEO LINKS

S.NO	SUBJECT CODE	SUBJECT NAME	PAGE NO
1	MA6459	Numerical Methods	1
2	EE6401	Electrical Machines - I	2
3	CS6456	Object Oriented Programming	3
4	EE6402	Transmission and Distribution	4
5	EE6403	Discrete Time Systems and Signal Processing	5
6	EE6404	Measurements and Instrumentation	6

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	MA6459	Numerical Methods	Newton raphson Method	https://www.youtube.com/watch?v=Qwdl8AttrRw	
			Bisection Method	https://www.youtube.com/watch?v=7LL70V1509o	
			Nonlinear equation with solution	https://www.youtube.com/watch?v=L_aDcpHwV48&index=1&list=PLvJjPQ_P4dDpNoiSu_rrkL68lWjuMkPnH	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	EE6401	Electrical Machines - I	DC Motor	https://www.youtube.com/watch?v=LAtPHANefQo	
			Lenz's Law _ Magnetic forces, magnetic fields, and Faraday's law	https://www.youtube.com/watch?v=xxZenoBs2Pg	
			Doubly excited system	https://www.youtube.com/watch?v=MbRBA1_RKMc	
			Transformer Working principle	https://www.youtube.com/watch?v=w990FVhXCLY	
			Per-Unit Quantities - Transformers	https://www.youtube.com/watch?v=gLdUUtknhCk	
			Swinburne's test for dc shunt motor	https://www.youtube.com/watch?v=9XIsfe4g26M	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	CS6456	Object Oriented Programming	Object Oriented Programming concept	https://www.youtube.com/watch?v=5SWKbS87p98	
			OOPS Programming	https://www.youtube.com/watch?v=xnh7ip5gpzc&list=PLVsf4Bjg79DLA5K3GLbIwf3baNVFO2Lq	
			OOPS concept with example	https://www.youtube.com/watch?v=WEX9J7dkZOU	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	EE6402	Transmission and distribution	AC Generator explained via best animation ever	https://www.youtube.com/watch?v=bllRGVpS980&t=332s	
			Corona and Arc Discharge	https://www.youtube.com/watch?v=2pLJ2ZX4By4&t=155s	
			Proximity Effect - Electric cable	https://www.youtube.com/watch?v=ugISf1cbQiA	
			Suspension Insulator Leakage Current Sensor Installation Animation	https://www.youtube.com/watch?v=vuUK8iDXh8o	https://www.youtube.com/watch?v=gd1nruo4_iA
			What Is Eddy Current	https://www.youtube.com/watch?v=zJ23gmS3KHY&t=18s	https://www.youtube.com/watch?v=daeT9aiAYYM

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	EE6403	Discrete Time Systems and Signal Processing	What is DTSP	https://www.youtube.com/watch?v=L63iUikg0cA	
			Convolution of DTSP	https://www.youtube.com/watch?v=w7qaGZUgI8k	
			Circular convolution of DTSP	https://www.youtube.com/watch?v=-1rZstItJTU	
			Representation of Linear Time Invariant Systems	https://www.youtube.com/watch?v=LZrbM3flgLc	
			Impulse Response	https://www.youtube.com/watch?v=iiIOgX19Wk0	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
1	EE 6404	Measurements and Instrumentation	M&I Calibration by The Scene Standards Committee	https://www.youtube.com/watch?v=tMDBu6d_wco	
			Calibration Of a Thermometer	https://www.youtube.com/watch?v=iFiSaJ4qGZ0	
			Current Transformer	https://www.youtube.com/watch?v=wtgvOQfNEDM	
			LCD Monitor Technique	https://youtu.be/O3aITfU_UvE	
			Potentiometer	https://www.youtube.com/watch?v=yEHQjawwpFM	
			What is Hall Effect and How Hall Effect Sensors Work	https://www.youtube.com/watch?v=wpAA3qeOYiI	

V.S.B. Engineering College, Karur – 639 111.
Department of Electrical and Electronics Engineering
Academic Year 2017-18 (Even Semester)
VIDEO LINKS

CLASS: III YEAR/VI SEMESTER

Sl.No	Subject Code	Subject Name	PAGE NO.
1	EC6651	Communication Engineering	2
2	EE6601	Solid State Drives	3
3	EE6602	Embedded System	4
4	EE6603	Power System Operation And Control	5
5	EE6604	Design of Electrical Machines	6
6	EE6002	Power System Transients	7

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	Web link for NPTEL Videos
1.	EC6651	Communication Engineering	Fiber Optic Fundamentals	https://www.youtube.com/watch?v=MrJswUU143M	
			Satellite Communication	https://www.youtube.com/watch?v=hXa3bTcIGPU	
			Satellite Communication	https://www.youtube.com/watch?v=h9qzkg9gW4	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	Web link for NPTEL Videos
2	EE6601	Solid State drives	Variable frequency control (V/F) of Induction Motor 1	https://www.youtube.com/watch?v=QYYn6RCYFrk	
			Inverter working	https://www.youtube.com/watch?v=IZ0bhRPpW_c&t=180s	
			single phase half wave controlled rectifier with rl load	https://www.youtube.com/watch?v=btstaLHYgKc	
			three phase half wave controlled rectifier with rl load	https://www.youtube.com/watch?v=rX3oOx7O-2Y	
			V/f Control of Permanent Magnet Synchronous Machine	https://www.youtube.com/watch?v=WVqMknkfQy4	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
3	EE6602	Embedded Systems	Embedded Systems: Introduction	https://www.youtube.com/watch?v=xylw5bhSR9E	https://www.youtube.com/watch?v=y9RAhEflfJs
			Serial Bus communication protocols: I2C AND SPI	https://www.youtube.com/watch?v=UUBxxFODyc4	
			Difference between Semaphore and Mutex	https://www.youtube.com/watch?v=DvF3AsTglUU	
			Smart Card Technology	https://www.youtube.com/watch?v=nJATwA4DJGg	
			Scheduling Policies		https://www.youtube.com/watch?v=MVfHrlpOjP4&list=PL84637AA7125111CB&index=21
			Embedded - OS		https://www.youtube.com/watch?v=9NAIG2Pmzfg&list=PL84637AA7125111CB&index=23

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	Web link for NPTEL Videos
4	EE6603	Power System Operation and control	Excitation Control of AC Generators - Shorter Version	https://www.youtube.com/watch?v=3E39NAvacQk	
			PPT Presentation On economic load dispatch	https://www.youtube.com/watch?v=WCRPbNG9jUw&t=33s	
			Load flow studies	-	https://www.youtube.com/watch?v=rEyE3NxK8vE
			Voltage control	https://www.youtube.com/watch?v=80ByGBSIEMA&t=290s	
			What is reactive power _ active power _ why we need reactive power__	https://www.youtube.com/watch?v=tP3T8w0gBm4	
			SCADA Systems for electric power industry	https://www.youtube.com/watch?v=WQWJzgbdq1E	
			Two area load frequency control total concept	https://www.youtube.com/watch?v=d7uShbNNCIw&t=314s	
			Automatic Generation Control	-	https://www.youtube.com/watch?v=fK_j_3ZJwuk

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	Web link for NPTEL Videos
5	EE6604	Design of Electrical Machines	Alternator stator winding process machinery	https://www.youtube.com/watch?v=oSZWGOXNR1A	
			Commutator_ Basics on AC and DC Generation	https://www.youtube.com/watch?v=ATFqX2C13-w	
			Cooling Of Transformers	https://www.youtube.com/watch?v=DL-FJAELmOU	
			Principle of Operation of a DC Generator	https://www.youtube.com/watch?v=Jh167TEECBk	
			Squirrel Cage Motors	https://www.youtube.com/watch?v=3MbP4t920Is	

Sl. No.	Subject code	Name of the Subject	Topic	Details of Web link	
				Web link for Animated Videos	NPTEL Video Links
6	EE6002	Power System Transient	Transmission Lines	https://www.youtube.com/watch?v=g-dM7H1perc	
			EM waves	https://www.youtube.com/watch?v=0OwmYAljz4A	
			Transient	https://www.youtube.com/watch?v=c9vqmOY3Rq8	
			Electricity transient	https://www.youtube.com/watch?v=tQgDGyXNsC0	
			Power System	https://www.youtube.com/watch?v=-ZBNNcczmDM	

V.S.B. ENGINEERING COLLEGE, KARUR

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year 2017-2018 (Even Semester)

CLASS IV YEAR/ VIII SEMESTER –VIDEO LINKS

Sl.No:	SUBJECT CODE	SUBJECT NAME	PAGE NO.
1	EE6801	ELECTRIC ENERGY GENERATION, UTILISATION AND CONSERVATION	2
2	EE6009	POWER ELECTRONICS FOR RENEWABLE ENERGY SOURCES	3
3	GE6075	PROFESSIONAL ETHICS IN ENGINEERING	4

Subject code	Name of the Subject	Topic	Details of Web link	
			Web link for Animated Videos	Web link for NPTEL Videos
EE6801	Electric Energy Generation, Utilization And Conservation	Traction motor control	https://www.youtube.com/watch?v=nqNGhNsyOyQ	
		Outdoor lighting schemes	https://www.youtube.com/watch?v=Fds-mmk3shg	https://www.youtube.com/watch?v=fQrZMMWo1mA&list=PLA0933E7A7EB52032
		Radiation welding.	https://www.youtube.com/watch?v=h1OFkk2LjoE	
		Solar, Parabolic concentrating collectors	https://www.youtube.com/watch?v=1gta2ICarDw	
		Basic components of a WECS (Wind Energy Conversion System)	https://www.youtube.com/watch?v=P9SyZvHrJvc	https://www.youtube.com/watch?v=GExTwrNkQBg

Subject code	Name of the Subject	Topic	Details of Web link	
			Web link for Animated Videos	Web link for NPTEL Videos
EE 6009	Power Electronics for Renewable Energy Systems	Solar power plant	https://www.youtube.com/watch?v=nc_0spDFc7s	https://www.youtube.com/watch?v=Fuyq6WrM1EA
		AC Generator	https://www.youtube.com/watch?v=HLNugJwBRow	https://www.youtube.com/watch?v=b24jORRoxEc
		AC wind Generator	https://www.youtube.com/watch?v=1k8aHz6xlXg	
		Matrix Converter	https://www.youtube.com/watch?v=wdcyzmr6hYk	
		Wind energy conversion system	https://www.youtube.com/watch?v=LNXTm7aHvWc	

Subject code	Name of the Subject	Topic	Details of Web link	
			Web link for Animated Videos	Web link for NPTEL Videos
GE6075	Professional Ethics in Engineering	Bhopal disaster	https://www.youtube.com/watch?v=OiKwJKTmVyo	
		Challenger - A Case Study in Risk Management	https://www.youtube.com/watch?v=mG8BPB_oPIg	

		Three Mile Island Accident	https://www.youtube.com/watch?v=4Qwg4oERhww	
		Titanic Sinking animation	https://www.youtube.com/watch?v=WIW3ULPEsGA	
		Nuclear Reactor Explosion - 3D Animation	https://www.youtube.com/watch?v=SWuLLy_kUHg	