

An ISO 9001:2015 Certified Institution

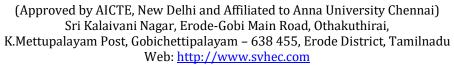
(Approved by AICTE, New Delhi and Affiliated to Anna University Chennai)
Sri Kalaivani Nagar, Erode-Gobi Main Road, Othakuthirai,
K.Mettupalayam Post, Gobichettipalayam – 638 455, Erode District, Tamilnadu
Web: http://www.svhec.com



List of COs for UG courses under Anna University Regulation 2017

	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING					
Semester	: I					
Course Cod	le & Name : HS8151 & Communicative English					
Year of Stu	$oldsymbol{arepsilon}$					
Cos No.	Course Outcome					
C101.1	Read articles of a general kind in magazines and newspapers.					
C101.2	Participate effectively in informal conversations; introduce themselves and their friends and express opinions in English.					
C101.3	Comprehend conversations and short talks delivered in English					
C101.4	Write short essays of a general kind and personal letters and emails in English					
Semester	: I					
Course Coo	ϵ					
Year of Stu	<u>-</u>					
Cos No.	Course Outcome					
C102.1	Use both the limit definition and rules of differentiation to differentiate functions.					
C102.2	Apply differentiation to solve maxima and minima problems					
C102.3	Evaluate integrals both by using Riemann sums and by using the Fundamental Theorem of Calculus.					
C102.4	Apply integration to compute multiple integrals, area, volume, integrals in polar coordinates, in addition to change of order and change of variables.					
C102.5	Evaluate integrals using techniques of integration, such as substitution, partial fractions and integration by parts.					
C102.6	Determine convergence/divergence of improper integrals and evaluate convergent improper integrals.					
C102.7	Apply various techniques in solving differential equations.					
Semester	: I					
Course Cod	le & Name : PH8151 & Engineering Physics					
Year of Stu	•					
Cos No.	Course Outcome					
C103.1	The students will gain knowledge on the basics of properties of matter and its applications,					
C103.2	The students will acquire knowledge on the concepts of waves and optical devices and their applications in fibre optics,					
C103.3	The students will have adequate knowledge on the concepts of thermal properties of materials and their applications in expansion joints and heat exchangers					
C103.4	The students will get knowledge on advanced physics concepts of quantum theory and its					
2105 =	applications in tunneling microscopes					
C103.5	The students will understand the basics of crystals, their structures and different crystal growth techniques.					
Semester	: I					
Course Coo	le & Name : CY8151 & Engineering Chemistry					
Year of Stu	dy : 2017 – 2018, 2018 – 2019,2019-2020					
Cos No.	Course Outcome					
C104.1	The knowledge gained on engineering materials, fuels, energy sources and water treatment techniques will facilitate better understanding of engineering processes and applications for further learning.					
Semester	: I					
Semester	. 1					

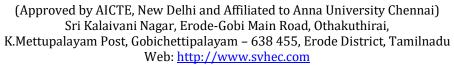






Course Code & Name : GE8151 & Problem Solving and Python Programming Year of Study : 2017 – 2018, 2018 – 2019,2019-2020 Cos No. Course Outcome C105.1 Develop algorithmic solutions to simple computational problems C105.2 Read, write, execute by hand simple Python programs. C105.3 Structure simple Python programs for solving problems. C105.4 Decompose a Python program into functions. C105.5 Represent compound data using Python lists, tuples, dictionaries. C105.6 Read and write data from/to files in Python Programs Semester : I Course Code & Name : GE8152 & Engineering Graphics Year of Study : 2017 – 2018, 2018 – 2019,2019-2020 Cos No. Course Outcome C106.1 Familiarize with the fundamentals and standards of Engineering graphics C106.2 Perform freehand sketching of basic geometrical constructions and multiple views of ob, C106.3 Project orthographic projections of lines and plane surfaces C106.4 Draw projections and solids and development of surfaces C106.5 Visualize and to project isometric and perspective sections of simple solids Semester : I Course Code & Name : GE8161 & Problem Solving and Python Programming Laboratory Year of Study : 2017 – 2018, 2018 – 2019, 2019-2020 Cos No. Course Outcome C107.1 Write, test, and debug simple Python programs L107.2 Implement Python programs step-wise by defining functions and calling them	jects					
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C107.4 Use Python lists, tuples, dictionaries for representing compound data						
C107.5 Read and write data from/to files in Python						
Semester : I						
Course Code & Name : BS8161 & Physics and Chemistry Laboratory Year of Study : 2017 – 2018, 2018 – 2019,2019-2020						
Cos No. Course Outcome						
C108.1 Apply principles of elasticity, optics and thermal properties for engineering applications						
The students will be outfitted with hands on knowledge in the quantitative chemical analysis of	water					
c108.2 quality related parameters.	water					
Semester : II						
Course Code & Name : HS8251 & Technical English						
Year of Study : 2017 – 2018, 2018 – 2019,2019-2020						
Cos No. Course Outcome						
C109.1 Read technical texts and write area- specific texts effortlessly						
C109.2 Listen and comprehend lectures and talks in their area of specialisation successfully						
C109.3 Speak appropriately and effectively in varied formal and informal contexts						
C109.4 Write reports and winning job applications.						
Semester : II						
Course Code & Name : MA8251 & Engineering Mathematics – II						
Year of Study : 2017 – 2018, 2018 – 2019,2019-2020						
Cos No. Course Outcome						
C110.1 Eigenvalues and eigenvectors, diagonalization of a matrix, Symmetric matrices, P definite matrices and similar matrices	'ositive					
C110.2 Condicate divisions and small of a master maintiful district and male district.						
C110.2 Gradient, divergence and curl of a vector point function and related identities						

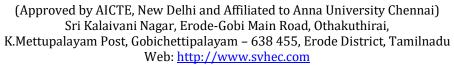






	theorems and their verification.			
C110.4	Analytic functions, conformal mapping and complex integration			
C110.4	mary to the total of the total and the total of the total			
C110.5		orm and inverse transform of simple functions, properties, various related		
Competer	theorems and a	pplication to differential equations with constant coefficients.		
Semester Course Code & Na	me	: PH8253 & Physics For Electronics Engineering		
Year of Study	inc	: 2017 – 2018, 2018 – 2019,2019-2020		
Cos No.		Course Outcome		
C111.1	Gain knowledge on classical and quantum electron theories, and energy band structuues			
C111.2	Acquire knowledge on basics of semiconductor physics and its applications in various			
	devices			
C111.3	Get knowledge	on magnetic and dielectric properties of materials.		
C111.4		sary understanding on the functioning of optical materials for		
	optoelectronics			
C111.5	Understand the	basics of quantum structures and their applications in spintronics and		
	carbon electron			
Semester		: II		
Course Code & Na	ime	: BE8252 & Basic Civil And Mechanical Engineering		
Year of Study	Г	: 2017 – 2018, 2018 – 2019,2019-2020		
Cos No.	A	Course Outcome		
C112.1	Appreciate the Civil and Mechanical Engineering components of Projects			
C112.2	Explain the usage of construction material and proper selection of construction materials			
C112.3	Measure distances and area by surveying			
C112.4		Identify the components used in power plant cycle		
C112.5		orking principles of petrol and diesel engine		
C	Elaborate the c	omponents of refrigeration and Air conditioning cycle : II		
Semester Course Code & Na	ma	EE8251 & Circuit Theory		
Year of Study	IIIC	: 2017 – 2018, 2018 – 2019,2019-2020		
Cos No.		Course Outcome		
C113.1	Ability to analy	yse electrical circuits		
C112.2		y circuit theorems		
C113.2	1 1 1			
C113.3	Ability to analy	yse transients		
Semester Course Code & Na	ma	: GE8291 & Environmental Science And Engineering		
Year of Study	ille	: 2017 – 2018, 2018 – 2019,2019-2020		
Cos No.		Course Outcome		
C114.1	Environmental	Pollution or problems cannot be solved by mere laws. Public		
		an important aspect which serves the environmental Protection. One will		
	-	lge on the following after completing the course		
C114.2		ess of environmental is at infant stage		
C114.3		incomplete knowledge has lead to misconceptions		
C114.4		and improvement in std. of living has lead to serious environmental		
	disasters			
Semester		: II		
Course Code & Name		: GE8261 & Engineering Practices Laboratory		
Year of Study		: 2017 – 2018, 2018 – 2019,2019-2020		
Cos No. Course Outcome				
C115.1	Fabricate carpentry components and pipe connections including plumbing works.			
C115.2	Use welding equipments to join the structures			
L				

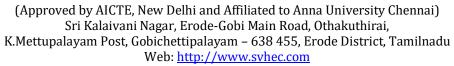






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C115.3	Carry out the basic machining operations				
C115.4	Make the models using sheet metal works				
C115.5	Illustrate on co	entrifugal pump, Air conditioner, operations of smithy, foundary and			
fittings					
C115.6	Carry out basic home electrical works and appliances				
C115.7		electrical quantities			
C115.8	Elaborate on the components, gates, soldering practices				
Semester		: II			
Course Code & N	ame	: EE8261 & Electric Circuits Laboratory			
Year of Study		: 2017 – 2018, 2018 – 2019,2019-2020			
Cos No.		Course Outcome			
C116.1	Understand an	nd apply circuit theorems and concepts in engineering applications.			
C116.2	Simulate elect				
Semester		: III			
Course Code & N	ame	: MA8353 & Transforms And Partial Differential Equations			
Year of Study		: 2017 – 2018, 2018 – 2019			
Cos No.		Course Outcome			
C201.1	Understand ho	ow to solve the given standard partial differential equations.			
C201.2	Solve differen	ntial equations using Fourier series analysis which plays a vital role in			
	engineering ap				
C201.3	Appreciate the	Appreciate the physical significance of Fourier series techniques in solving one and two			
C201.5		heat flow problems and one dimensional wave equations.			
C201.4		e mathematical principles on transforms and partial differential equations			
		e them the ability to formulate and solve some of the physical problems of			
	engineering.				
C201 5	Use the effective mathematical tools for the solutions of partial differential equations by				
C201.5	using Z transform techniques for discrete time systems.				
Semester		: III			
Course Code & N	ame	: EE8351 & Digital Logic Circuits			
Year of Study		: 2017 – 2018, 2018 – 2019			
Cos No.		Course Outcome			
C202.1	Ability to desi	ign combinational and sequential Circuits.			
C202.2	Ability to sim	ulate using software package.			
C202.3	Ability to stu	Ability to study various number systems and simplify the logical expressions using			
	Boolean functions				
C202.4	Ability to desi	ign various synchronous and asynchronous circuits.			
C202.5	Ability to intro	oduce asynchronous sequential circuits and PLDs			
C202.6		oduce digital simulation for development of application oriented logic			
	circuits.				
Semester		: III			
Course Code & N	ame	: EE8391 & Electromagnetic Theory			
Year of Study		: 2017 – 2018, 2018 – 2019			
Cos No.		Course Outcome			
C203.1	Ability to und	erstand the basic mathematical concepts related to electromagnetic vector			
	fields.				
C203.2	Ability to und	lerstand the basic concepts about electrostatic fields, electrical			
		gy density and their applications.			
C203.3		quire the knowledge in magneto static fields, magnetic flux density,			
		al and its applications.			
C203.4	Ability to understand the different methods of emf generation and Maxwell's equations				
C203.5		lerstand the basic concepts electromagnetic waves and characterizing			
	parameters	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
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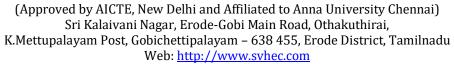






C203.6	Ability to un	derstand and compute Electromagnetic fields and apply them for design and		
	analysis of el	lectrical equipment and systems		
Semester				
Course Code & N	Name	: EE8301 & Electrical Machines - I		
Year of Study		: 2017 – 2018, 2018 – 2019		
Cos No.		Course Outcome		
C204.1	Ability to an	alyze the magnetic-circuits.		
C204.2	Ability to ac	quire the knowledge in constructional details of transformers.		
C204.3	Ability to ur	nderstand the concepts of electromechanical energy conversion.		
C204.4	Ability to ac	quire the knowledge in working principles of DC Generator.		
C204.5		quire the knowledge in working principles of DC Motor		
C204.6		quire the knowledge in various losses taking place in D.C. Machines		
Semester		: III		
Course Code & N	Vame	: EC8353 & Electronics Devices and Circuits		
Year of Study		: 2017 - 2018, 2018 - 2019		
Cos No.		Course Outcome		
C205 1	Explain the s	structure and working operation of basic electronic devices.		
C205.1 C205.2	_			
		tify and differentiate both active and passive elements		
C205.3		characteristics of different electronic devices such as diodes and		
C205.4	transistors	1.01		
C205.4	Choose and a	adapt the required components to construct an amplifier circuit.		
C205.5	Employ the a	acquired knowledge in design and analysis of oscillators		
Semester	<u> </u>	: III		
Course Code & N	Name	: ME8792 & Power Plant Engineering		
Year of Study		: 2017 – 2018, 2018 – 2019		
Cos No.		Course Outcome		
C206.1	Explain the I plant.	Explain the layout, construction and working of the components inside a thermal power plant.		
C206.2	_	Explain the layout, construction and working of the components inside a Diesel, Gas an Combined cycle power plants.		
C206.3		Explain the layout, construction and working of the components inside nuclear power		
C206.4		ayout, construction and working of the components inside Renewable		
C200.4	energy powe			
C206.5		1		
C200.3	Explain the applications of power plants while extend their knowledge to power plant economics and environmental hazards and estimate the costs of electrical energy			
	production.	and environmental hazards and estimate the costs of electrical energy		
Competer	production.	: III		
Semester Course Code & N	Jame	: III : EC8311 & Electronics Laboratory		
Year of Study	vaille	: 2017 – 2018, 2018 – 2019		
Cos No.		Course Outcome		
C207.1	Ability to u	nderstand and analyse electronic circuits.		
Semester	7 tomey to u	: III		
Course Code & N	Jame	: EE8311 & Electrical Machines Laboratory-I		
Year of Study	· ·	: 2017 – 2018, 2018 – 2019		
Cos No.		Course Outcome		
C208.1	Ability to un	derstand and analyze DC Generator		
C208.2		derstand and analyze DC Motor		
C208.3	Ability to understand and analyse Transformers.			
Semester	7 Tomicy to un	: IV		
Course Code & N	Name	: MA8491 & Numerical Methods		
Year of Study	· · · · · · · ·	: 2017 – 2018, 2018 – 2019		
Cos No.		Course Outcome		
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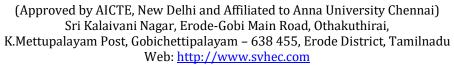






C210.1	Understand the basic concepts and techniques of solving algebraic and transcendental			
	equations.			
C210.2	Appreciate the numerical techniques of interpolation and error approximations in variable in the control of the			
G210.2	intervals in real life situations.			
C210.3	Apply the numerical techniques of differentiation and integration for engineering			
C210.4	problems.			
C210.4	Understand the knowledge of various techniques and methods for solving first and			
C210.5	second order ordinary differential equations. Solve the partial and ordinary differential equations with initial and boundary conditions			
C210.5	by using certain techniques with engineering applications.			
Semester	: IV			
Course Code & N				
Year of Study	: 2017 – 2018, 2018 – 2019			
Cos No.	Course Outcome			
C211.1	Ability to understand the construction and working principle of Synchronous			
	Generator			
C211.2	Ability to understand MMF curves and armature windings.			
C211.3	Ability to acquire knowledge on Synchronous motor.			
C211.4	Ability to understand the construction and working principle of Three phase Induction Motor			
C211.5				
C211.6	Ability to understand the construction and working principle of Special Machines Ability to predetermine the performance characteristics of Synchronous Machines.			
Semester Semester	: IV			
Course Code & N				
Year of Study	: 2017 – 2018, 2018 – 2019			
Cos No.	Course Outcome			
C212.1	To understand the importance and the functioning of transmission line parameters.			
C212.2	To understand the concepts of Lines and Insulators.			
C212.3	To acquire knowledge on the performance of Transmission lines.			
C212.4	To understand the importance of distribution of the electric power in power system.			
C212.5	To acquire knowledge on Underground Cabilitys			
C212.6	To become familiar with the function of different components used in Transmission and			
	Distribution levels of power system and modelling of these components.			
Semester	: IV			
Course Code & N				
Year of Study	: 2017 – 2018, 2018 – 2019			
Cos No.	Course Outcome			
C213.1	To acquire knowledge on Basic functional elements of instrumentation			
C213.2	To understand the concepts of Lines and Insulators.			
C213.3	Ability to compare between various measurement techniques			
C213.4	To acquire knowledge on Various storage and display devices			
C213.5	To understand the concepts Various transducers and the data acquisition systems			
C213.6	Ability to model and analyze electrical and electronic Instruments and understand the			
Semester	operational features of display Devices and Data Acquisition System. : IV			
Course Code & N				
Year of Study	: 2017 – 2018, 2018 – 2019			
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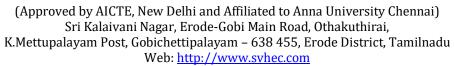






Cos No.	Course Outcome				
C214.1	Ability to acqu	Ability to acquire knowledge in IC fabrication procedure			
C214.2	Ability to anal	Ability to analyze the characteristics of Op-Amp			
C214.3	To understand	To understand the importance of Signal analysis using Op-amp based circuits.			
C214.4	Functional blocks and the applications of special ICs like Timers, PLL circuits,				
	regulator Circu				
C214.5			cquire knowledge on the Applications of Op-amp		
C214.6			d and analyse, linear integrated circuits their Fabrication and		
0210	Application.				
Semester	rippiication.		IV		
Course Code & N	ame		IC8451 & Control Systems		
Year of Study			2017 – 2018, 2018 – 2019		
Cos No.			Course Outcome		
	Ability to deve	elop v	arious representations of system based on the knowledge of		
C215.1			ce and Engineering fundamentals.		
C215.2			omain and frequency domain analysis of various models of linear		
C213.2	system.	iiiic u	or and requestey domain analysis of various models of inical		
C215.3		rnrat a	characteristics of the system to develop mathematical model.		
C215.4					
C215.5			propriate compensator for the given specifications.		
			with solution for complex control problem.		
C215.6	Ability to und		d use of PID controller in closed loop system		
Semester			IV		
Course Code & N	ame		EE8411 & Electrical Machines Laboratory - II		
Year of Study		:	2017 – 2018, 2018 – 2019		
Cos No.	A 1 111		Course Outcome		
C216.1			d and analyze EMF and MMF methods		
C216.2			ne characteristics of V and Inverted V curves		
C216.3			d the importance of Synchronous machines.		
C216.4	Ability to understand the importance of Induction Machines				
C216.5	Ability to acqu	iire kr	nowledge on separation of losses		
Semester		-	IV		
Course Code & N	ame		EE8461 & Linear and digital integrated circuits Laboratory		
Year of Study		:	2017 - 2018, 2018 - 2019		
Cos No.			Course Outcome		
C217.1	Ability to und	erstan	d and implement Boolean Functions.		
C217.2	Ability to und	erstan	d the importance of code conversion		
C217.3	Ability to Des	ign an	d implement 4-bit shift registers		
C217.4	Ability to acqu	ire kr	nowledge on Application of Op-Amp		
C217.5			d implement counters using specific counter IC.		
Semester			IV Supplemental Control of the Contr		
Course Code & N	ame	:	EE8412 & Technical Seminar		
Year of Study		:	2017 – 2018, 2018 – 2019		
Cos No.		1	Course Outcome		
C218.1	Ability to revi	ew, pr	repare and present technological developments		
C218.2			lacement interviews		
Semester		:	V		
Course Code & Name		:	:		
Year of Study		:	:		
C319.1	Ability to mod	del the	power system under steady state operating condition		
C319.2	Ability to understand and apply iterative techniques for power flow analysis				
C319.3	Ability to model and carry out short circuit studies on power system				
C319.4	Ability to model and analyze stability problems in power system				
C317.7	promity to model and analyze stability problems in power system				

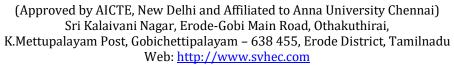






C319.5	Ability to acc	nnire	knowledge on Fault analysis.		
C319.6	Ability to model and understand various power system components and carry out pov				
C317.0					
Semester	now, short ci	icuit	and stability studies.		
Course Code & N	omo	•	EE8551 & Microprocessors And Microcontrollers		
Year of Study	anie		2019-2020		
C320.1	A 1-:1:4 4-0 -0-0				
			knowledge in Addressing modes & instruction set of 8085 & 8051.		
C320.2		Ability to need & use of Interrupt structure 8085 & 8051.			
C320.3			and the importance of Interfacing		
C320.4			the architecture of Microprocessor and Microcontroller.		
C320.5			e assembly language programme.		
C320.6	Ability to dev	velop	the Microprocessor and Microcontroller based applications.		
Semester			V		
Course Code & N	ame	:	EE8552 & Power Electronics		
Year of Study		•	2019-2020		
C321.1	Ability to ana	alyse	AC-AC and DC-DC and DC-AC converters.		
C321.2	Ability to cho	oose t	he converters for real time applications.		
Semester	Ť	:	V		
Course Code & N	ame	:	EE8591 & Digital Signal Processing		
Year of Study		:	2019-2020		
C322.1	Ability to un	dersta	and the importance of Fourier transform, digital filters and DS		
	Processors.		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
C322.2		nnire	knowledge on Signals and systems & their mathematical		
C322.2	_				
C322.3		representation.			
		Ability to understand and analyze the discrete time systems.			
C322.4		Ability to analyze the transformation techniques & their computation.			
C322.5		Ability to understand the types of filters and their design for digital implementation.			
C322.6		Ability to acquire knowledge on programmability digital signal processor & quantization			
	effects.	1			
Semester		:	V		
Course Code & N	ame	:	CS8392 & Object Oriented Programming		
Year of Study		:	2019-2020		
C323.1	Develop Java	prog	grams using OOP principles		
C323.2	Develop Java	prog	grams with the concepts inheritance and interfaces		
C323.3	Build Java ar	Build Java applications using exceptions and I/O streams			
C323.4			ications with threads and generics classes		
C323.5			e Java programs using swings		
Semester		:	V		
Course Code & N	ame	:	OCE551 & Air Pollution And Control Engineering		
Year of Study		•	2019-2020		
C324.1	An understand	ling of	f the nature and characteristics of air pollutants, noise pollution and basic		
C324.2		concepts of air quality management Ability to identify, formulate and solve air and noise pollution problems			
C324.3	Ability to design stacks and particulate air pollution control devices to meet applicable		cks and particulate air pollution control devices to meet applicable		
	standards.		1		
C324.4		ct con	trol equipments		
C324.5			ality, control and preventive measures		
Semester	1,7 72 2230	:	V		
Course Code & N	ame	:	EE8511 & Control And Instrumentation Laboratory		
Year of Study		:	2019-2020		
C325.1	Ability to understand control theory and apply them to electrical engineering problems				
C325.2	Ability to analyze the various types of converters.				
C325.3					
U343.3	Ability to design compensators.				

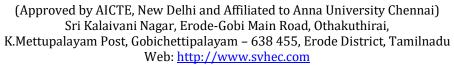






C325.4	Ability to un	derstand the basic concepts of bridge networks.		
C325.5		basics of signal conditioning circuits.		
C325.6		dy the simulation packages.		
Semester	Ability to stu	. V		
Course Code & Name		: HS8581 & Professional Communication		
Year of Study		: 2019-2020		
C326.1	Make effecti	·		
C326.2	Make effective presentations Participate confidently in Group Discussions.			
C326.3		terviews and be successful in them.		
C326.4	J			
	Develop adec	quate Soft Skills required for the workplace		
Semester Course Code & N	Iama	• • •		
	ranne	CS8383 & Object Oriented Programming Laboratory2019-2020		
Year of Study C327.1	D 1 1			
C327.1	packages and	implement Java programs for simple applications that make use of classes, interfaces.		
C327.2	Develop and multithreadir	implement Java programs with arraylist, exception handling and		
C327.3		cations using file processing, generic programming and event handling		
Semester		: VI		
Course Code & N	lame	: EE8601 & Solid State Drives		
Year of Study		: 2019-2020		
C328.1	Ability to un	derstand and suggest a converter for solid state drive.		
C328.2		ect suitability drive for the given application.		
C328.3		udy about the steady state operation and transient dynamics of a motor load		
	system.			
C328.4	Ability to analyze the operation of the converter/chopper fed dc drive.			
C328.5		Ability to analyze the operation and performance of AC motor drives.		
C328.6		Ability to analyze and design the current and speed controllers for a closed loop solid		
	state DC mot			
Semester		: VI		
Course Code & N	lame	: EE8602 & Protection and Switchgear		
Year of Study		: 2019-2020		
C329.1	Ability to un	derstand and analyze Electromagnetic and Static Relays.		
C329.2		ggest suitability circuit breaker		
C329.3		d the causes of abnormal operating conditions of the apparatus and system.		
C329.4		alyze the characteristics and functions of relays and protection schemes.		
C329.5		dy about the apparatus protection, static and numerical relays.		
C329.6		quire knowledge on functioning of circuit breaker.		
Semester C329.0	Aumity to act	: VI		
Course Code & N	 Iame	: EE8691 & Embedded Systems		
Year of Study		: 2019-2020		
C330.1	Ability to un	derstand and analyze Embedded systems.		
C330.2		ggest an embedded system for a given application.		
C330.2		erate various Embedded Development Strategies		
C330.4		dy about the bus Communication in processors		
C330.5				
		quire knowledge on various processor scheduling algorithms.		
		derstand basics of Real time operating system.		
Semester Course Code & N	lama	: VI		
	aille	EE8002 & Design Of Electrical Apparatus2019-2020		
Year of Study C331.1	A b:1:4 4			
C551.1	Ability to understand basics of design considerations for rotating and static electrical machines			







C331.2	Ability to des	sign of field system for its application				
C331.3	Ability to design sing and three phase transformer					
C331.4	Ability to design armature and field of DC machines					
C331.5	Ability to design stator and rotor of induction motor					
C331.6	Ability to design and analyze synchronous machines					
Semester Semester	: VI					
Course Code & N	ame	EE8005 & Special Electrical Machines				
Year of Study		: 2019-2020				
C332.1	Ability to an	alyze and design controllers for special Electrical Machines				
C332.2		quire the knowledge on construction and operation of stepper motor				
C332.3		quire the knowledge on construction and operation of stepper motor				
C332.3	reluctance me					
C332.4		nstruction, principle of operation, switched reluctance motors				
C332.5						
	Ability to acquire the knowledge on construction and operation of permanent magnet brushless D.C. motors.					
C332.6		quire the knowledge on construction and operation of permanent magnet				
		synchronous motors.				
C332.7	Ability to sel	ect a special Machine for a particular application.				
Semester		: VI				
Course Code & Name		EE8661 & Power Electronics And Drives Laboratory				
Year of Study	1	: 2019-2020				
C333.1		actice and understand converter and inverter circuits and apply software for				
	engineering p					
C333.2	Ability to experiment about switching characteristics various switches.					
C333.3	Ability to analyze about AC to DC converter circuits.					
C333.4	Ability to ana	alyze about DC to AC circuits.				
C333.5	Ability to acc	quire knowledge on AC to AC converters				
C333.6	Ability to acquire knowledge on simulation software.					
Semester		: VI				
Course Code & N	ame	EE8681 & Microprocessors and Microcontrollers Laboratory				
Year of Study		: 2019-2020				
C334.1	Ability to understand and apply computing platform and software for engineering problems.					
C334.2	<u> </u> L	ogramming logics for code conversion.				
C334.3		quire knowledge on A/D and D/A.				
C334.4	Ability to understand basics of serial communication.					
C334.5	Ability to understand basics of serial communication. Ability to understand and impart knowledge in DC and AC motor interfacing.					
C334.6	Ability to understand and impart knowledge in DC and AC motor interfacing. Ability to understand basics of software simulators.					
Semester	: VI					
Course Code & Name		EE8611 & Mini Project				
Year of Study		: 2019-2020				
C335.1	On Completi	on of the mini project work students will be in a position to take up their				
	-	eject work and find solution by formulating proper methodology.				
	jour pro	Je				