			Department of Electrical and Electronics Engineering	
			Course Outcomes - Academic Year 2019-20 3rd Semester	
SL NO	SUDIECT		COURSE OUTCOMES	PTI
SENO	SUBJECT	CO#	Students will be able to : Define semiconductor device and different operating condition and their performance	DIL
		CO1	parameter. Analyze and design the FET and BJT biasing circuit	2
1	Analog Electronic Circuits	CO2 CO3	Understand and describe the concept of frequency analysis of amplifier circuits	2
	-	CO4	Learn the Design Analysis of combinational circuit using Op Amp	2
		COG	Analize the behavious the sinosodial oscilators & feed back circuis	3
SL NO	SUBJECT	CO#	COURSE OUTCOMES Students will be able to :	BTL
	Network Theory	C01	Apply network theorems for the analysis of electrical circuits	3
2		CO2	Analyze circuits in the sinusoidal steady state (Single phase & Three phase)	4
-		CO4 CO5	Analyze two port circuit behavior Learn the Design of low pass, high pass, hand pass and hand elimination filter networks	4
		CO6	Explain transfer functions of circuits and analysis of stability using poles of the transfer Function	2
SL NO	SUBJECT	CO#	Students will be able to :	BTL
	-	CO1	Apply & solve Analytic Function, Cauchy-Riemann equations, line integral in complex plane, Cauchy Integral theorem. Taylor's series. Maclaurin's series. Laurent's series.	3
		CO2	Solve and explain Residue Integration method, Evaluation of Real Integrals, Error & Error Propagation, Lagranges Interpolation, Newton's Divided Difference Interpolation, Newton's Forward and backward Interpolation, Spline's	3, 2
3	Mathematics – III	CO3	Explain Trapezoidal Rule, Simpson's 1/3rd Rule, Simpson's 3/8th Rule, Gauss Integral Formula, Euler's Method for	2
	induction in the second	CO4	ODE, Runge-Kutta 2 nd order and 4 th order Method, Multi-Step method. Apply & solve Probability & Random Variables, Probability Distribution Funtion, Probability Density Function,	2
		CU4	Bionomial Distribution, Poisson's Distribution, Uniform Distribution, Normal Distribution.	3
		CO5	correlation analysis, regression analysis.	3
SL NO	SUDIECT	C06	Solve Fitting of straight lines, Estimation of Parameter & statistical Hypothesis. COURSE OUTCOMES	3
SL NO	SUBJECT	CO#	Students will be able to : Define organizational behaviour, and explain nature of learning	1 2
		CO2	Define personality and explain determinants of personality, personality Traits.	1,2
	0	CO3	Explain perception and explain perceptual process, importance of perception in OB. Explain, types of communication, gateways and Barriers to communication, communication as a tool for improving	1,2
4	Organisational Benaviour	CO4	Interpersonal Effectiveness.	2
		CO5	Explain Theores of Leadership Trait theory, Leader Benaviour theory, Contingency Theory, Leadership and Followership, How to be an effective leader.	2
	0110 UD 07	CO6	Explain organizational culture and organizational effectiveness. COURSE OUTCOMES	2
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Able to explain the basic concepts and features of OOPS, use of compiler and intrepreter in Java programming. Able to acquire the knowledge on JDK, JRE, JVM. And program execution.	2
		CO2	Understand the use of classes, objects, members of a class and relationships among them in different scenario. Able to explain the inheritance and string manipulation for various scenario.	2
	Object Oriented	CO3	Able to understand and demonstrate the use of data abstraction, polimorphism, use of exception handling and multi	2,3
5	Programming Using Java	CO4	Able to understand the use of IO strean in java application. Acquire the idea of GUI design using various componemts	2
			of Applet and AWT. Make use of MVC architecture to develop various advanced GUI application using	-
		C05	the module like SWING and JavaFX.	3
		CO6	unchecked exceptions.	2
SL NO	SUBJECT	CO#	COURSE OUTCOMES Students will be able to :	BTL
		C01	Identify relevant information to supplement to the Analog Electronic Circuitcourse.	3
		C02	Choose testing and experimental procedures on different types of electronic circuit and analyze their operation	1
6	Analog Electronic Circuits	CO4	different operating conditions. Evaluate possible causes of discrepancy in practical experimental observations in comparison to theory.	4
	LdU.	CO5	Practice diferent types of wiring and instruments connections keeping in mind technical ,Economical ,safety issues.	1
		CO6	Prepare professional quality textual and graphical presentations of laboratory data and Computational results,	2
SL NO	SUDIECT		incorporating accepted data analysis and synthesis methods, Mathematical software and word processing tools. COURSE OUTCOMES	PTI
SL NO	SUBJECT	CO#	Students will be able to :	BIL
		C01	Analyze Practical implementation of the fundamental electrical theorems and modeling of simple electrical systems	4
7	Network Theory Lab.	CO2 CO3	Find different parameter values of two port network systems. Compare the frequency responses between different filters	2
		CO4	Measure the inductances of different coupled circuits.	3
		COG	Develop analytical skills to compare experimental results with theoretical concepts of network theory.	3
SL NO	SUBJECT	CO#	COURSE OUTCOMES Students will be able to :	BTL
		CO1	Understand the programming language concepts	2
		CO2	Write, Debug and document well-structured java applications	3
8	OOP Using Java Lab.	C03	Implement Java classes from specification, create and use objects from predefined class libraries Understand the behaviour of primitive data types control statements, object reference and arrays	3
		CO5	Implement Modular , multithreading and event driven programming	3
		CO6	Implement interface, inheritance polymorphism, exception handling, file I/O and multithreading	3
			Course Outcomes - Academic Year 2019-20 4th Semester	
			COURTEOUTE	
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Understand number representation and conversion between different representation in digital electronic circuits	2
		CO2	Analyze logic processes and implement logical operations using combinational logic circuits.	3
	Digital Electronics	C03	Analyze the concents of combinational circuits and design different types of cominational circuits	3
1				
		CO4	unuerstanu concepts of sequential circuits and to analyze sequential systems in terms of state machines.	2
		CO5	Implement combinational and sequential circuits using VHDL.	4
		CO6	Understand characteristics of memory and their classifications	2
SL NO	SUBJECT	CO#	COURSE OUTCOMES	BTL
		CO1	Learn how to determine the Efficiency and Voltage Regulation by Open Circuit and Short Circuit test on single phase	2
		CO2	transtormer. Compare parallel operation and back to back test on single phase transformer.	2
2	Electrical Machines I	CO3	Learn how to determine the Efficiency, Plotting of Torque-Slip Characteristics of Three Phase Induction motor by Brake Test	2
		CO4	Learn how to determine the parameters of three phase induction motor from No load Test and Blocked Rotor Test.	2

1	I	005		4
		CO5	Examine the Performance of grid connected induction generator.	2
CL NO	CUDIECT		COURSE OUTCOMES	DTI
SLINU	SUBJECT	CO#	Students will be able to :	BIL
		CO1	Explain the differences between signal level and power level devices.	2
		C02	Analyze various single plase and three plase power converter circuits and understand their applications.	4
3	Power Electronics	CO4	Analyze the operation of voltage source inverters and their applications.	4
		CO5	Explain basic operation of various power semiconductor devices and switching circuits.	2
	OLID ID CT	00	COURSE OUTCOMES	4
SL NO	SUBJECT	CO#	Students will be able to :	BIL
		CO1	Define and recognize different co ordinate systems to describe the spatial variations of the physical quantities dealt in electromagnetic field theory at the are functions of energy and time. Apply, different techniques of upper	1
	-	01	calculus to understand different concepts of electromagnetic field theory.	1
		CO2	Explain fundamental laws governing electromagnetic fields and evaluate the physical quantities of electromagnetic	2
			fields (Field intensity, Flux density etc.) in different media using the fundamental laws.	
4	Electro Magnetic Theory	CO3	of various electric and electromagnetic energy conversion devices are based on this Force.	2
-	Electro Mugnetic Theory	CO4	Learn the Design of electromagnetic energy storage devices like capacitor, inductor which are frequently used	2
		604	devices.	2
		CO5	Justify the concepts of electromagnetic waves, means of transporting energy or information, in the form of	2
			Faulto waves, 1 v signals, radar beams and light rays.	
		CO6	commonly used in power distribution and communication.	2
SL NO	SUBJECT		COURSE OUTCOMES Students will be able to :	BTL
		CO1	Apply their knowlwdge to design LTI systems using Z transform technique.	3
		CO2	Apply their knowlwedge to design linear filter for long data sequence using DFT and IDFT technique	3
	Digital Signal Processing	<u>CO3</u>	Understand and design different form of FIR and IIR filter structures.	2
5	Digital Signal Processing	605	Understand the implementation of DFT interm of FFT as well as some of its application(Computation of convolution	4
		05	sum, Spectral analysis)	2
		CO6	Understand the concept of adaptive filters and application .	2
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Understand the scope, basics of the Economics. Able to explain the demand and supply for maintaining the market	2
		CO2	equinorium. Able to explain the law of production.	2
6	Engineering Economic-	CO3	Understand the analysis of the cost, revenue and its minimization.	
0	Engineering Economics	CO4	Able to understand the market structure and break even analysis	2
		CO5	Able to explain the etect of interest and depreciation capital assets. Apply the engineering project cost evaluation for various projects.	3
		CO6	Able to explain the inflation, cause and measures and understand the banking system	2
SL NO	SUBJECT	CO#	COURSE OUTCOMES	BTL
		CO#	Learn the basics of gates.	2
		CO2	Construct basic combinational circuits and verify their functionalities	4
7	Digital Electronics	CO3	Apply the design procedures to design basic sequential circuits	3
	Laboratory	CO4	Learn about Counters	3
	-	CO6	Understand the basic digital circuits and to verify their operation	2
SL NO	SUBJECT		COURSE OUTCOMES	BTL
		CO#	Students will be able to : Learn how to determine the Efficiency and Voltage Regulation by Open Circuit and Short Circuit test on single phase	
	-	CO1	transformer.	2
	Electrical Machines I	CO2	Compare parallel operation and back to back test on single phase transformer.	2
8	Laboratory	CO3	Brake Test.	2
		CO4	Learn how to determine parameters of three phase induction motor from No load Test and Blocked Rotor Test.	2
	-	CO5	Examine the Performance of grid connected induction generator.	4
SL NO	SUDIECT	00	COURSE OUTCOMES	PTI
3L NO	JUBJECI	CO#	Students will be able to :	BIL
		01	Analyze testing strategies and select proper instruments to evaluate performance characteristics of Power devices	3
		CO2	and power electronics circuits and analyze their operation under different loading conditions.	4
		CO3	Plan different types of wiring and devices connections keeping in mind technical, economical safety issues	2
			Relate the limitations of computer simulations for verification of circuit behavior, apply these	
9	Power Electronics Laboratory	CO4	techniques to different power electronic circuits and evaluate possible causes of discrepancy in practical experimental	1
			Show prefercional quality toxtual and graphical presentations of laboratory data and computational results	
		CO5	incorporating accepted data analysis and synthesis methods, mathematical software, and word processing tools.	2
			Demonstrate the ability to interact	
		CO6	effectively on a social and interpersonal level with fellow students, and will demonstrate the ability to divide	2
			up and share task responsibilities to complete assignments.	
			Course Outcomes - Academic Year 2019-20 5th Semester	
			COURSE OUTCOMES	
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		C01	Illustrate the basics to formulate the LPP, TP, AP, IPP & NLPP.	2
		CO2	Apply the market demand and able to compare the cost of the product time to time.	3.2
1	Optimization In Engineering	CO4	Solve the transportation cost involved in a TP, Quadratic programming using Kuhn-Tucker Conditions, Wolfe's	3
		CO5	method. Select job to different machine/human depending upon their credibility/job solving conscity.	3
		<u>CO6</u>	Compare the time period of stay in a queue using Markovian models, M/M/1model Kendell's notations	2
SL NO	SUBJECT	<i>co</i> "	COURSE OUTCOMES	BTL
		CO#	Explain the differences between signal level and power level devices.	2
	l t	CO2	Analyze various single phase and three phase power converter circuits and understand their applications.	4
2	Power Electronics	CO3	Analyze the operation of DC-DC choppers and their applications.	4
		CO4	Explain basic operation of vortage source inverters and their applications.	2
		CO6	Analyze power electronic inverter circuits.	4
SL NO	SUBJECT	C0#	COURSE OUTCOMES	BTL
		C01	Identify a detailed s/w & h/w structure of the Microprocessor	2
	[CO2	Compare the accepted standards and guidelines to select appropriate Microprocessor (8085 &	3
	Microprocessor &		8086) and Microcontroller to meet specified performance requirements.	
3		CO3	transfer instructions of the target microprocessor and microcontroller.	3
	Microcontroller	CO4	illustrate how the different peripherals (8255, 8253 etc.) are interfaced with Microprocessor.	3
		CO5	enaryze assembly language programs; select appropriate assemble into machine a cross assembler utility of a microprocessor and microcontroller.	3
	l l	CO6	Evaluate assembly language programs and download the machine code that will provide solutions real world	4
			COURSE OUTCOMES	
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		C01	Apply their knowlwdge to design LTI systems using Z transform technique.	3
	-	CO1 CO2 CO3	Apply their knowlwdge to design LTI systems using Z transform technique. Apply their knowlwedge to design linear filter for long data sequence using DFT and IDFT technique Understand and design different form of FIR and IIR filter structures.	3 3 2

1		COF	Understand the implementation of DFT interm of FFT as well as some of its application(Computation of convolution	2
		COS	sum, Spectral analysis)	2
		CO6	Understand the concept of adaptive filters and application .	2
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		C01	Explain the environmental aspects of non-conventional energy resources. In Comparison with various	2
		01	conventional energy systems, their prospects and limitations.	2
		CO2	Understand the need of renewable energy resources, historical and latest developments.	2
5	Renewable Energy Systems	CO3	applications like-heating, cooling, desalination, power generation, drying, cooking etc	2
		CO4	llustrate the need of Wind Energy and the various components used in energy generation and know the	2
		004	classifications.	2
		CO5	Learn the concept of Biomassenergy resources and their classification, types of biogas Plants-applications	2
	CUDIECT	000	COURSE OUTCOMES	DE
SL NO	SUBJECT	CO#	Students will be able to :	BTL
	Advance Lab - I (ADVANCED Electrical	CO1	Become familiar with the basic circuit components and know how to connect them to make a real electrical circuit;	2
			Become familiar with basic electrical measurement instruments and know how to use them to make different types of	
		CO2	measurements;	2
6		CO3	Be able to verify the laws and principles of electrical circuits, understand the relationships and differences between	2
	Computational Lab-I)	665	theory and practice;	-
		CO4	Be able to gain practical experience related to electrical circuits, stimulate more interest and motivation for further studies of electrical circuits:	2
		CO5	Be able to carefully and thoroughly document and analyze experimental work	2
		CO6	Build electronics circuits and characterize circuit behavior using the appropriate instruments and techniques	3
SL NO	SUBJECT	CO#	COURSE OUTCOMES	BTL
		0#	Students will be able to : Explain the role structure services and types of operating system also discuss various issues and types of system	
		CO1	calls.	2
			Compare and contrast the common algorithm for both preemptive and non preemptive task in os such as FCFS, SJF,	
		CO2	Priority, RR scheduling , differentiate between process and thread , various threading issues, cite the various approach to solve the problem of mutual exclusion related to critical regions	2
			Understand the concept of deadlock in Operating systems how they can be managed and avoided through the	
		CO3	implementation of Banker's algorithm and resource request algorithm and also cite different methods involved in	2
7	Operating System		recovery from deadlock.	
		CO4	Learn how virtual memory is used and describe the operation of memory management unit, also define various page	2
		0.04	replacement strategies like FIFO, LRU, Optimal, also able to analyse the use of demand paging, and segmentation	
		C05	Explain various issues related to file system such as structure, access method, efficiency, performance directory	2
			structure and its implementation	-
		CO6	algorithms such as SSTF, LOOK, SCAN, C-LOOK, C-SCAN and also illustrating the overview of I/o hardware	2
			application I/O interface kernel I/O subsystem.	
			Course Outcomers A and anti- View 2010-20 Ceb Course tor	
			Course Outcomes - Academic Year 2019-20 bin Semester	
CL NO	CUDIECT		COURSE OUTCOMES	DET
SL NO	SUBJECT	CO#	Students will be able to :	BIL
		CO1	Explain the concept of various forms of renewable energy	2
		CO2	Outline division aspects and utilization of renewable energy sources for both domestics and agricultural application	2
1	Carera Trasha ala si sa	C03	Understand the need of Wind Energy and the various components used in energy generation and know the	2
1	Green Technologies	C03	classifications	2
		CO4	Understand the concept of Biomass energy resources and their classification,	2
		CO5	Explain green guidelines such as GRIHA and LEED	2
	CUDIECT	000	COURSE OUTCOMES	2
SL NO	SUBJECT	CO#	Students will be able to :	BIL
		CO1	Diffrentiate the types of signals and calculate the energy, power of a signal	3
		CO2	Undrstand the Concepts of different analog modulation technique.	2
	Communication	CO3	Analyze and allocate performance objectives to components of an analog communication system and to design analog communication systems.	3
2	Engineering	CO4	Understand the concept of various pulse modulation techniques as PAM, PPM, PWM	2
		CO5	Understand the concepts of different digital modulation system	2
		CO6	Apply the concepts of signals processing and mathematically evaluate the performance of digital communication	3
			COURSE OUTCOMES	
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Utilize the techniques to control power flows, frequency and voltage.	3
		CO2	Construct the Single Line or One Line Diagram, Impedance and Reactance Diagrams	3
3	Power System Operation &	CO3	Explain the techniques to control reactive power, reactive power-voltage coupling concept.	2
	Control	C05	Show Load Frequency Control, Control Area Concept	2
		CO6	IllustrateTwo Area Systems and Power System Stability	2
SL NO	SUBJECT		COURSE OUTCOMES	BTL
	201201	CO#	Students will be able to :	4
		C01	Examine various applications in industrial and domestic areas where use of electric drives are essential.	4
		0.02	Compare the concepts of previously learnt courses such as electrical machines. Control and nower electronics to cater	
		CO3	to the need of automation inindustries.	2
4	Electrical Drives	CO4	Select most suitable type and specification of motordrive combination for efficient conversion and control of	3
		CO5	Identify the critical areas in application levels and derive typical solutions	3
		000	Design and justify new control and power conversion schemes for implementing alternative solutions considering the	2
		CO6	critical and contemporary issues.	2
SL NO	SUBJECT	00"	COURSE OUTCOMES	BTL
		CO#	Students will be able to :	2
		C01	Understand various types of power controllers in AC transmission lines.	2
		CO2	Understand the static VAR compensator and its applications	2
5	Flexible Ac Transmission	CO3	Understand the Static Synchronous Compensator (STATCOM) and its applications.	2
5	Systems	CO4	Understand the transient stability and modelling of STATCOM.	2
		CO5	Learn the concept of coordination of FACTS controllers.	2
		CO6	Understand the STATIC VAR COMPENSATOR (SVC) and its application	2
01.2	(The second s		COURSE OUTCOMES	*
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Communicate effectively in work places.	3
	Purine C	CO2	Make effective presentation.	3
6	Business Communication & Skill For Interview	CO3	Develop problem solving skills.	3
		CO5	Develop leadership skills.	3
		CO6	Face group discussion and interview.	3
SL NO	SUBJECT		COURSE OUTCOMES	BTL
		CO#	Students will be able to :	
		CO1	Describe the Dasic concepts of data communication, networks, internet, USI and TCP/IP models Illustrate the Digital-to-Digital, Analog-to-Analog and Digital-to-Analog conversion techniques	2
_	Computer Network and	CO3	Explain Analog-to-Analog conversion, different types of multiplexing techniques and transmission	2
7	Data Communication	CO4	Understand the different functionalities of data link layer and discuss error detection and correction codes	2
		CO5	Discuss the different media access control protocols and IEEE standards for wired and wireless LANs	2
		CO6	Understand the routing protocols and analyze how to assign the IP addresses for the given network	2
			Course Outcomes - Academic Year 2019-20 7th Semester	

SEINO	SUBJECT	CO#	Students will be able to :	BIL
		CO1	Dfine and explain various issues and challenges of IOT and understand the components of IOT.	1,2
		CO2	Understand various protocols of IOT and architecture of various IOT layers.	2
1	Internet Of Things (IOT)	CO3	Understand the resource management like software agent, data synchronization and network architecture	2
1	internet Of Things (101)	CO4	Raspberry Pi/Arduino	2
		CO5	Outline the difference between WoT and IoT. Understand the use of IOT in Grid and Cloud.	2
		CO6	Understand the revolution of Internet in Mobile Devices, Cloud &Sensor Networks.	2
SL NO	SUBJECT	<u> </u>	COURSE OUTCOMES	BTL
		CO#	Students will be able to : Understand marketing concents and their application to profit-oriented and non-profit oriented organizations	2
			Apply these concepts to the analysis of marketing problems and development of appropriate and creative marketing	
	Marketing Management	CO2	strategies to solve these problems	3
		CO3	Understand the need for a customer orientation in the competitive global business environment	2
2		CO4	Have an appreciation that marketing is integrated with other functional areas of business	1
		CO5	beverope an understanding and acquiring skins in now to successfully design and implement marketing plans and strategies	2
			Understand the concept of marketing mix and its application in traditional and novel environments characterized by	2
		0.06	emerging information technologies	2
SL NO	SUBJECT		COURSE OUTCOMES	BTL
		CO#	Students will be able to :	
		CO1	Analyze discrete-time mathematical models in both time domain (difference equations, state equations) and z- domain (transfer function using z-transform).	4
		602	Analyze transient and steady-state responses and stability and sensitivity of both open-loop and closed-loop	
		CO2	linear, time-invariant, discrete-time control systems.	4
3	Control System	CO3	Utilize knowledge of state space andstate feedback in modern control systems, pole placement, design of state	3
-	Engineering – II		Observers and output feedback controllers	
		CO4	Define and explain the basic properties of multivariable linear systems such as controllability, observability, and transfer functions.	1
		CO5	Explain the stability of linear and nonlinear systems by Lyapunov method.	2
		CO6	Explain the non linear system behavior by phase plane and describing function methods	2
SL NO	SUBJECT		COURSE OUTCOMES	BTI.
52.10		CO#	Students will be able to :	
		C01	Acquire the knowledge of various abnormal conditions that could occur in a second details.	2
		CO2	Design various protective devices in power system for protecting equipment and personnel	2
4	Switch Gear & Protective	CO4	Know various conventional relays, their design and latest developments.	2
	Devices	CO5	Know standards and specifications related to switchgear and protection.	2
		C06	Understands protection of different electrical equipments. Identify the challenges and solutions to industrial power	2
		200	system protection problems.	2
SL NO	SUBJECT	<u> </u>	COURSE OUTCOMES	BTL
		CO1	Students will be able to : Represent the technical concepts and understanding of the subject	1
		CO2	Demonstrate effective communication	2
-	Continue	CO3	Demonstrate the presentation ability in front of a group of experts	2
5	Seminar	CO4	Apply modern software and/or application tools for representing	3
		CO5	Analyse the modern and contemporary trends in the engineering field	3
		CO6	Show professional ethics on a stage	1
SL NO	SUBJECT	CO#	Students will be able to :	BTL
		CO1	Demonstrate the capability of effectively utilising the alotted time	3
		CO2	Apply the theoritical branch knowledge to the practical engineering product/services	3
6	Minor Project	CO3	Show contribution to the team work	1
0	Winor Project	CO4	Show cooperation to the team work	1
		CO5	Demonstrate the capability of learning from the failures	3
		000	COURSE OUTCOMES	3
SL NO	SUBJECT	CO#	Students will be able to :	
		CO1	Classify the symmetric encryption techniques	2
		CO2	Illustrate various Public key cryptographic techniques	2
7	Cryptography & Netwok	CO3	Understand the authentication and hash algorithms.	2
	Security	C04	Elaborate on authentication applications	2
		CUS	Summarize the intrusion detection and its solutions to overcome the attacks.	2
		C06	I inderstand the basic concepts of system level security	2
		CO6	Understand the basic concepts of system level security.	2
		CO6	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester	2
		CO6	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester	2 2
SL NO	SUBJECT	CO6	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES	2 2 BTL
SL NO	SUBJECT	CO6 CO#	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what astronomousting is concider here growing here the percential is the entropy of the	2 2 BTL
SL NO	SUBJECT	CO6 CO# CO1	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurial process	2 2 BTL 1
SL NO	SUBJECT	CO6 CO# CO1	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurial process Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, al	2 2 BTL 1
SL NO	SUBJECT	CO6 CO# CO1 CO2	Understand the basic concepts of system level security. Course Outcomes - Academic Y ear 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurial process Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity	2 2 BTL 1 3
SL NO	SUBJECT	CO6 CO# CO1 CO2 CO3	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurial process Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity Examine the key resources required to exploit an innovative idea or opportunity to develop an existing business, launch a new unput we distribute a constraint and the potential enterprise.	2 2 BTL 1 3 3
SL NO	SUBJECT Entrepreneurship Development	CO6 CO# CO1 CO2 CO3	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurship rocess Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity Examine the key resources required to exploit an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise Identify the key steps required to exploit an innovative idea or opportunity to develop an existing business.	2 2 BTL 1 3 3
SL NO	SUBJECT Entrepreneurship Development	CO6 CO# CO1 CO2 CO3 CO4	Understand the basic concepts of system level security. Course Outcomes - Academic Y ear 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurship crocess Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity Examine the key resources required to exploit an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise Identify the key steps required for exploiting an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise	2 2 BTL 1 3 3 3
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SL NO	SUBJECT Entrepreneurship Development SUBJECT Smart Grid SUBJECT Seminar SUBJECT Maior Project	CO6 CO# CO1 CO2 CO3 CO3 CO4 CO4 CO5 CO6 CO4 CO5 CO4 CO5 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO5 CO4 CO5 CO4 CO5 CO4 CO5 CO4 CO5 CO2 CO3 CO3 CO3 CO4 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3 CO3	Understand the basic concepts of system level security. Course Outcomes - Academic Year 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurship process Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity Examine the key reso surgerired to exploit an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise Understand the basic development of entrepreneurship as a profession. Understand business models. COURSE OUTCOMES Students will be able to : Describe different measuring methods and sensors used in smart grid Develop skills required for sengry storages Summarize various renewable energy technologies Interpret the role of batteries and energy technologies COURSE OUTCOMES Students will be able to : Represent the technical concepts and understanding of the subject Demonstrate effective communication Demonstrate the former on adjuict on tools for representing Analyse the modern and contemporary trends in the engineering field Show professional ethics on a stage COURSE OUTCOMES Students will be able to : Demonstrate factive communication Demonstrate factive	2 2 BTL 1 3 3 3 3 2 2 BTL 2 2 BTL 2 2 3 3 3 1 1 BTL 1 2 2 3 3 3 1 1 BTL 1 2 2 3 3 3 1 1 BTL 3 3 3 1 1 1 2 2 2 3 3 3 3 1 1 1 1 2 2 2 1 1 1 1
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SL NO SL NO SL NO SL NO A	SUBJECT Entrepreneurship Development SUBJECT Smart Grid Smart Grid Seminar SUBJECT Major Project	CO6 CO# CO1 CO2 CO3 CO3 CO4 CO4 CO5 CO6 CO4 CO1 CO2 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO1 CO2 CO3 CO3 CO4 CO5 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6 CO6	Understand the basic concepts of system level security. Course Outcomes - Academic Y ear 2019-20 8th Semester COURSE OUTCOMES Students will be able to : Define what entrepreneurship is, consider how everyone has the potential to be entrepreneurial, and to explore the constituents of the entrepreneurship crocess Identify steps required to research the potential for an innovative idea for the development of an existing enterprise, a new venture or a social change opportunity Examine the key resources required to exploit an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise Identify the key steps required for exploiting an innovative idea or opportunity to develop an existing business, launch a new venture, or initiate a social enterprise Understand the basic development of entrepreneurship as a profession. Understand business models. COURSE OUTCOMES Students will be able to : Explain the smart grids components and architecture Describe different measuring methods and sensors used in smart grid Summarize various renewable energy technologies Interpret the role of batteries and energy storages Students will be able to : COURSE OUTCOMES Students will be able to : COURSE OUTCOMES Students will be able to : COURSE OUTCOMES COURSE OUTCOMES Students will be able to : COURSE OUTCOMES COURSE OUTCOMES Students will be able to : COURSE OUTCOMES COURSE OUTCOMES Students will be able to : Demonstrate effective communication Demonstrate the presentation ability in front of a group of experts Apply modern and contemporary trends in the engineering field Show professional ethics on a stage COURSE OUTCOMES Students will be able to : Demonstrate fair knowledge of most concepts of Engineering Apply the multi-disciplinary knowledge through the project Show independent decision making capability Apply modern tools and software for developing	2 2 BTL 1 3 3 3 3 2 2 2 BTL 2 2 3 3 3 2 2 2 3 3 3 3 3 3 3 3 3 3 3