Branch
 ENTC
 Class : FE
 Engineering Physics

Sr. No.	Course Outcome	Percentage
	Express the basic concepts of diffraction	
1	and polarization and can relate them to day	82.67
	to day observable phenomena.	
2	Reveal the formation of materials and their	ככ דד
2	internal structure.	77.55
	Apply basic concepts of acoustics and	
3	ultrasonic for basic civil and other	88
	engineering applications.	
4	Relate space, time, mass and energy	82.67
	equations.	82.07
	Compile the applications of laser and fiber	
5	optics in the field of industry, medical and	77.33
	telecommunication.	
6	Explain the principles of fission and fusion,	
	significance for power generation and basic	90.67
	concepts of nanoscience	
	Average Percentage	83.11166667



Branch	ENTC	Class : FE	Engineering Chemistry
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Sr. No.	Course Outcome	Percentage
1	Describe importance of quality of water and appropriate water treatment process.	85.33
2	Recognize various types of corrosion & propose a suitable prevention technique.	86.67
3	Describe various instrumental techniques and environmental friendly chemical syntheses.	84
4	Identify and explain different engineering materials like metals, ceramics, fuels, lubricants, polymers for various engineering and day to day applications.	80
5	Calculate hardness of water, concentration of unknown solution, calorific value of fuels, saponification & acid value of oils, molecular weight of polymers etc.	78.67
	Average Percentage	82.934



Branch ENTC Class : FE

Engineering Mathematics I

Sr. No.	Course Outcome	Percentage
1	Student can write higher order derivative of standard functions	90.67
2	Student can express the power series expansion of a given function and evaluate limits	84
3	Student can apply De-Moivre's theorem to determine roots of polynomial and can express hyperbolic, inverse hyperbolic functions	86.67
4	Students are able to use matrices techniques for solving system simultaneous linear equations, Eigen values and Eigen vectors of the matrix	90.67
5	Student can evaluate partial derivatives and can implement to estimate maxima and minima of multivariable function	78.67
	Average Percentage	86.136



Branch	ENTC	Class : FE	Applied Mechan ics
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Sr. No.	Course Outcome	Percentage
1	Apply fundamental knowledge of engineering mechanics for rigid bodies acted upon by system of forces.	88
2	Analyze various types of statically determinate pin jointed trusses by analytical and graphical methods.	82.67
3	Apply knowledge of kinematics of rigid body motion to solve engineering problems in dynamics.	82.67
4	Apply knowledge of kinetics of rigid body motion to solve engineering problems in dynamics.	82.67
5	Solve problems relating work, power and energy in various contexts of engineering.	84
	Average Percentage	84.002



Sr. No.	Course Outcome	Percentage
1	Student can apply the network theorems to analyze dc circuits and calculate energy consumption in electrical systems.	86.67
2	Student can use the concept of magnetic circuits to calculate parameters of circuits and single phase transformer	85.33
3	Student can apply knowledge of ac fundamentals to analyze series & parallel ac circuits.	93.33
4	Student can use the concept of poly phase ac circuit to analyze three phase star, delta circuits and working of electrical drives.	85.33
	Average Percentage	87.665







Branch ENTC Class : FE

Basic Mechanic al Engineering

Sr. No.	Course Outcome	Percentage
1	Calculate the heat and work quantum in the area of refrigeration & air conditioning system and I.C. engines.	92
2	Categorize and select the type of power producing/absorbing systems for a typical application.	88
3	Select the power transmission element for day to day applications and identify various design considerations in mechanical engineering design.	88
4	Select a proper machining/joining process for required application.	90.67
	Average Percentage	89.6675



Sr. No.	Course Outcome	Percentage
1	Student can frame grammatically correct sentences for day to day communication	85.33
2	Student can use appropriate words in oral and written communication.	86.67
3	Student can demonstrate effective speaking skills in various situations	93.33
4	Student can comprehend and analyze a passage.	85.33
5	Student can draft letters, emails and write paragraphs with appropriate content and context.	82.67
	Average Percentage	86.666



ENTC Class : FE

Communication Skills

Sr. No.	Course Outcome	Percentage
1	Solve first order ordinary differential equation and able to apply in different engineering applications	86.67
2	Use different vector differential operators	84
3	Test divergence & convergence of infinite series	89.33
4	Explain curve tracing with justification.	88
5	Evaluate improper and multiple integrals and determine area, mass of region bounded between curves	81.33
	Average Percentage	85.866

ENTC Class : FE Engineering Mat hematics II



ENTC Class : FE Engineering Graph

Sr. No.	Course Outcome	Percentage
1	Draw projection of lines and planes for engineering applications.	85.33
2	Draw regular and sectional views of various types of solids.	88
3	Draw the 2 D view (orthogonal views) given 3D drawing	88
4	Draw the development of the regular and truncated solids.	81.33
	Average Percentage	85.665



Branch ENTC Class : FE

Basic Civil Engineerin g

Sr. No.	Course Outcome	Percentage
1	Describe the role of civil engineer in the development of the society and explain relationship of civil engineering with other branches of engineering and technology	85.33
2	Discuss types of buildings and select materials of construction.	88
3	Explain the elements of water supply such as dam, canal and elements of transportation structures.	86.67
4	Measure heights, distances and angles on ground using basic surveying instruments and plot them on paper.	86.67
5	Explain the advantages of advances in civil engineering like remote sensing techniques, GIS and GPS.	81.33
	Average Percentage	85.6



ENTC Basic Electronics Class : FE

Sr. No.	Course Outcome	Percentage
1	Test and measure various electronic components.	84
2	Explain construction, biasing, V-I characteristics and application of diode and BJT	
3	Select appropriate transducers to measure various physical parameters like distance, temperature etc.	90.67
4	Perform arithmetic operations on digital number system	86.67
5	Draw truth table of logic gate and solve Boolean expressions.	85.33
	Average Percentage	86.934



Sr. No.	Course Outcome	Percentage
1	Solve the higher order linear differential equation related to electrical circuit theory	88
2	Apply Laplace and inverse Laplace transforms for analysis of simple electrical circuits	86.67
3	Express the function in terms of sines and cosines components so as to model simple	78.67
4	Periodic functions.	85.33
5	Exhibits knowledge of Z transform and its properties	88
6	Use different vector differential operators	84
	Average Percentage	85.11166667



Branch ENTC Class : SE

Electronics Cirquit Analysis and Design-I

Sr. No.	Course Outcome	Percentage
1	Student can demonstrate an ability to design various electronic circuits using diode and BJT.	82.67
2	Student understands Electronic System Design.	89.33
3	Student can participate and succeed in competitive examinations.	86.67
	Average Percentage	86.22333333



Branch	ENTC	Class : SE	Circuits and Net w
	Sr. No.	Course Outcome	Percentage
	1	Students can analyze Linear Circuit by understanding different Network theorems and analysis methods.	88
	2	Student can evaluate transient and steady state response of Linear circuits.	90.67
	3	Student can design passive filter and attenuator Circuits	86.67
		Average Percentage	88.44666667



Branch	ENTC	Class : SE	Digital Techniq u
	Sr. No.	Course Outcome	Percentage
	1	Students will be able to design & realize combinational logic circuits using logic gates,MSI circuits, PLDs for various practical applications.	86.67
	2	Students will be able to design, implement and analyze, asynchronous and synchronous Sequential circuits using flip flops.	90.67
	3	Students will be able to implement the fundamentals in Industrial Applications.	84
		Average Percentage	87.11333333



Branch

ENTC Class : SE

Sr. No. Course Outcome Percentage Student will be able to demonstrate the 89.33 1 concepts of Stacks, Queues, Linked List, Trees Student will be able to give difference 2 90.67 between linear & non-linear data structures. Student will be able to manage the data 3 84 efficiently Student will be able to function on 4 86.67 multidisciplinary industry as a professional. Average Percentage 87.6675



Data Structures

Branch ENTC Class : SE

Electronics Circ uit Analysis and Design-II

Sr. No.	Course Outcome	Percentage
1	Student can apply concept of Negative feedback and positive feedback for amplifier design.	85.33
2	Student can design regulated power supply and waveform generation circuits using IC555	97.33
3	Student can participate and succeed in competitive examinations	86.67
	Average Percentage	89.77666667



Analog Communication

Sr. No.	Course Outcome	Percentage
	Students will be able to compare different	
1	modulation techniques	85.33
	Students will be able to perform experiment as well	
2	as to analyze and interpret data.	89.33
	Students will be able to apply Modern engineering	
3	tools (MATLAB) for modulation techniques.	84
	Students will be able to identify, formulate & solve	
4	communication engineering problems.	82.67
	Average Percentage	85.3325



Branch	ENTC	Class : SE	Control Systems
	Sr. No.	Course Outcome	Percentage
		Students will be able to analyze various control	
	1	systems.	82.67
		Students will be able to obtain transfer function	
		of systems using signal flow graph and block	
	2	diagram reduction.	86.67
		Students will be able to obtain stability of	
	3	systems.	86.67
		Students will be able to make time domain	
	4	analysis of control systems.	85.33
		Students will be able to make frequency domain	
	5	analysis of control systems.	81.33
		Average Percentage	84.534



Branch ENTC Class : SE

Linear Integrated Circuits

Sr. No.	Course Outcome	Percentage
	Students will be able to design linear and	
	non-linear Op-Amp circuits for various	88
1	practical applications.	
	Students would be able to attempt	
	questions on Op-Amp at GATE level	85.33
2	exams.	
	Average Percentage	86.665



Branch

ENTC

Class : SE

Signals and Systems

Sr. No.	Course Outcome	Percentage
1	Students are able to represent different signals and systems mathematically and are able toperform simulation using MATLAB.	84
2	Students are able to model LTI system.	88
3	Students can determine system stability using z transform.	88
4	Students are able to solve questions on signals and systems for various competitive examinations.	82.67
	Average Percentage	85.6675



	Electro Magnetic Engg. & Radiating System]
Sr. No.	Course Outcome	Percentage
1	Able to derive wave equation	85.33
2	Apply the fundamentals in Telecommunication Applications	85.33
3	Succeed in different competitive examinations	81.33

Average Percentage



Teachers Analysis Report

			90				
ENTC	Principles of Digital Communication		88				
Sr. No	Course Outcome	Percentage	86	<u> </u>			
1	Solve and analyze problems related to entropy coding	82.67					
2	Distinguish between pulse and digital modulation techniques	89.33	84				
3	Identify the modulation techniques for different applications	86.67					
	•		82	-			
Average Percentage		86.22333333	80				

		7		
ENTC	Software Engineering & Project Management System		94 -	
Sr. No.	Course Outcome	Percentage	92 -	
1	Interpret software processes and their models	92	90 -	
2	Identify different tasks of project managers and need for Project planning in Project completion	84	88 -	
3	Visualize progress of software project	88	86 -	
4	Work in multidisciplinary project as a part of team	82.67	0.4	
Average Percentage 86.6675			82 -	



ENTC	Digital Signal Processing	
Sr. No.	Course Outcome	Percentage
1	Apply transform techniques for various applications.	85.33
2	Evaluate Discrete Fourier Transform.	90.67
3	Design filters for given applications	86.67

Average Percentage



ENTC	Microprocessors]
Sr. No.	Course Outcome	Percentage
1	Identify the basic element and functions of microprocessor	86.67
2	Describe the architecture of microprocessor and its peripheral devices.	94.67
3	Explain fundamental understanding on the operation between the microprocessor and its interfacing devices.	82.67
4	Apply the programming techniques in developing the assembly language program for microprocessor applications.	88

Average Percentage



ENTC	Radar & Microwave Engineering]
Sr. No.	Course Outcome	Percentage
1	Calculate parameters and properties of transmission lines	89.33
2	Analyze different parameters of microwave components	81.33
3	Implement the fundamentals in Defense and in	89.33

Average Percentage



ENTC	Microcontroller & Applications	
Sr. No.	Course Outcome	Percentage
	Describe the fundamental features and operation	
1	of contemporary microcontroller	89.33
	Identify memory organization of a	
	microcontroller and Illustrate microcontroller	
2	memory and peripherals expansion capability	85.33
3	Analyze the program for time and code complexity	92
	Develop assembly language source code for	
4	applications that use I/O ports, timer and single/multiple interrupts	85.33





Average Percentage

ENTC	Electronics Applications & System Design	
Sr. No.	Course Outcome	Percentage
1	Use the power devices in industrial applications.	84
2	Design and implement timers, frequency counters and digital voltmeters.	86.67
3	Design and implement PLL applications.	85.33
4	Identify and implement the design aspects for solving industrial problems.	86.67



Average Percentage

ENTC	Optical Communication	
Sr. No.	Course Outcome	Percentage
1	Evaluate various losses in optical fiber communication	82.67
2	Able to select appropriate source and detector for a communication system.	88
3	Evaluate various parameters of given optical fiber.	84

Average Percentage





ENTC	Mobile Communication	
Sr. No.	Course Outcome	Percentage
1	Interpret how cellular systems work in mobile communication.	82.67
2	Identify how many mobile users simultaneously share the given radio spectrum.	81.33
3	Analyze how GSM works and also others services like SMS, GPRS, call waiting service etc works.	88

Average Percentage



ENTC	Broadband Communication	
Sr. No.	Course Outcome	Percentage
1	Explain the concept of ISDN ,BISDN and ATM	90.67
2	Distinguish between pros and cons of ISDN and BISDN services.	86.67

Average Percentage



ENTC	Multimedia Communication Techniques	
Sr. No.	Course Outcome	Percentage
1	Student will understand the concept of disc.	94.55
2	Student will become familiar with the components of colour TV.	94.55
	Student will develop the ability to analyze the applications of Multimedia and identify various communication modes and mode there used in Multimodia	
3	media types used in Multimedia.	94.55
4	Student will gain the ability to apply engineering tools necessary for engineering practice.	87.27

Average Percentage



ENTC	Embedded Systems	
Sr. No.	Course Outcome	Percentage
1	To design, execution and evaluation of experiments on embedded platforms	92.73
2	To analysis, design and testing of systems that include both hardware and software.	94.55



Average Percentage

ENTC	Pattern Recognition	
Sr. No.	Course Outcome	Percentage
1	Implement various pattern recognition tasks & techniques	92.73
2	Apply the basic knowledge about neural network & Fuzzy technique	89.09
3	Apply the basic knowledge about neural network & Fuzzy technique	90.91

Average Percentage



ENTC	Computer Communication Network	1
LINIC	computer communication wetwork	
Sr. No.	Course Outcome	Percentage
1	Describe computer communication networks.	98.18
	Differentiate the various types of network	
2	configurations.	98.18
3	Identify and describe network devices and standards.	96.36
	Explain local area networks, internet, protocols and	
4	applications.	96.36

Average Percentage


ENTC	VLSI Design				
Sr. No.	Course Outcome	Percentage			
1	Use EDA Tools for logic system design.	96.36			
2	Design, implement and analyze combinational and sequential logic circuits.	94.55			
3	Design combinational logic using CMOS logic.	98.18			
4	Implement real time applications on commercially available devices.	94.55			

Average Percentage

95.91





ENTC	Coding Theory	
Sr. No.	Course Outcome	Percentage
1	Solve problems in coding techniques	92.73
2	Analyze and design coder and decoder for linear block code, cyclic codes.	94.55

Average Percentage

93.64



ENTC	Image Processing	
Sr. No.	Course Outcome	Percentage
1	Describe applications of digital image processing.	96.36
2	Apply mathematical tools for processing images.	90.91
3	Enhance images using time and frequency domain enhancement techniques	86.09
4	Analyze the images	89.09
5	Describe various image compression techniques	94.55

Average Percentage

91.4



Branch ENTC	Class:FE	Subject:Engineering Physics

Sr No	Course Outcome	Percentage			
1	Express the basic concepts of diffraction and polarization and can relate them to day to day observable phenomena.	78.4			
2	Reveal the formation of materials and their internal structure.				
3	3 Apply basic concepts of acoustics and ultrasonic for basic civil and other engineering applications.				
4	4 Relate space, time, mass and energy equations.				
5	Compile the applications of laser and fiber optics in the field of industry, medical and telecommunication.	80			
Explain the principles of fission and fusion,significance for power generation and basic concepts of nanoscience		81.6			
Average Pe	rcentage	79.4666667			



Branch	ENTC	Class:FE	Subject:Engineering Chemistry
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Sr No	Course Outcome	Percentage				 			
			86						
1	Describe importance of quality of water and appropriate water treatment process.	77.6	84						
			82			 			
2	Recognize various types of corrosion & propose a suitable prevention technique.	80	80						
2	Describe various instrumental techniques and	70.4	78						
3	Identify and explain different engineering materials like	78.4	74						
4	metals, ceramics, fuels, lubricants, polymers for various engineering and day to day applications.	74.4	72						
	Calculate hardness of water, concentration of unknown solution, calorific value of fuels, saponification & acid		70						
5	value of oils, molecular weight of polymers etc.	84							
verage I	Percentage	78.88	68 +	1	2	3	1	4	1

ENTC	Class:FE	Subject:Engineer	ing Maths-I
Sr No	Course Outcome	Percentage]
			87.5
1	Student can write higher order derivative of standard functions	84.8	87
2	Student can express the power series expansion of a given function and evaluate limits	85.6	86.5
3	Student can apply De-Moivre's theorem to determine roots of polynomial and can express hyperbolic, inverse hyperbolic functions	85.6	85.5
4	Students are able to use matrices techniques for solving system simultaneous linear equations, Eigen values and Eigen vectors of the matrix	87.2	84.5
5	Student can evaluate partial derivatives and can implement to estimate maxima and minima of multivariable function	86.4	84
Verage Pe	rcentage	85.92	83.5

Branch	ENTC	Class:FE	Subject: A	Apllied Mechanics
	Sr No	Course Outcome	Percentage	
	1	Apply fundamental knowledge of engineering mechanics for rigid bodies acted upon by system of forces.	80.8	88
	2	Analyze various types of statically determinate pin jointed trusses by analytical and graphical methods.	76.8	84
	3	Apply knowledge of kinematics of rigid body motion to solve engineering problems in dynamics.	85.6	80
	4	Apply knowledge of kinetics of rigid body motion to solve engineering problems in dynamics.	80	76
	5	Solve problems relating work, power and energy in various contexts of engineering.	79.17	74
	Average Per	centage	80.474	

Sr No	Course Outcome	Percentage
1	Student can apply the network theorems to analyze dc circuits and calculate energy consumption in electrical systems.	81.6
2	Student can use the concept of magnetic circuits to calculate parameters of circuits and single phase transformer	81.6
3	Student can apply knowledge of ac fundamentals to analyze series & parallel ac circuits.	84
4	Student can use the concept of poly phase ac circuit to analyze three phase star, delta circuits and working of electrical drives.	80
rage Percent	tage	81.8



Branch ENTC Class:FE

nch	ENTC	Class:FE	Subject: basic Mechanie	cal Engineering
	Sr No	Course Outcome	Percentage	83
	1	Calculate the heat and work quantum in the area of refrigeration & air conditioning system and I.C. engines.	82.4	82 81
	2	Categorize and select the type of power producing/absorbing systems for a typical application.	80	80
	3	Select the power transmission element for day to day applications and identify various design considerations in mechanical engineeringdesign.	78.4	79
	4	Select a proper machining/joining process for required application.	79.2	77 -
	Average Percent	tage	80	



Branch	ENTC	Class:FE	Subject: comm	unication Skill				
	Sr No	Course Outcome	Percentage	84			 	
	1	Student can frame grammatically correct sentences for day to day communication	82.4	82				
	2	Student can use appropriate words in oral and written communication.	83.2	80				
	3	Student can demonstrate effective speaking skills in various situations	76.8	78	_		 	
	4	Student can comprehend and analyze a passage.	76	76	_	_		
	5	Student can draft letters, emails and write paragraphs with appropriate content and context.	78.4	74				
	Average P	ercentage	79.36	72			<u> </u>	



ENTC	Class:FE	Subject: Engineer
Sr No	Course Outcome	Percentage
1	Draw projection of lines and planes for engineering applications.	86.4
2	Draw regular and sectional views of various types of solids.	88
3	Draw the 2 D view (orthogonal views) given 3D drawing	86.4
4	Draw the development of the regular and truncated solids.	86.4
Average	Percentage	87.2

Branch



Branc ENTC Class:FE

Subject: basic civil engineering

Sr No	Course Outcome	Percentage
1	Describe the role of civil engineer in the development of the society and explain relationship of civil engineering with other branches of engineering and technology	81.6
2	Discuss types of buildings and select materials of construction.	86.4
3	Explain the elements of water supply such as dam, canal and elements of transportation structures.	80.8
4	Measure heights, distances and angles on ground using basic surveying instruments and plot them on paper.	85.6
5	Explain the advantages of advances in civil engineering like remote sensing techniques, GIS and GPS.	81.6
Average	Percentage	83.2



Sr No 1 Te: 2 Exp app 3 Sel par	Course Outcome est and measure various electronic components.	Percentage	91
1 Te 2 Ex, app 3 Sel par	est and measure various electronic components.		
2 Exi app 3 Sel par		89.6	90
3 Sel par	xplain construction, biasing, V-I characteristics and oplication of diode and BJT	86.4	89
	elect appropriate transducers to measure various physical arameters like distance, temperature etc.	87.2	87
4 Per	erform arithmetic operations on digital number system	84	85
5 Dra exp	raw truth table of logic gate and solve Boolean spressions.	85.6	83
Average Percentage	9	86.56	

Branch	ENTC	Class: SE	Subject:ENGG MATH	IS-III
	Sr No	Course Outcome	Percentage	
	1	Solve the higher order linear differential equation related to electrical circuit theory	83	9
	2	Apply Laplace and inverse Laplace transforms for analysis of simple electrical circuits	83	8
	3	Express the function in terms of sines and cosines components so as to model simple	73	8
	4	Periodic functions.	79	7
	5	Exhibits knowledge of Z transform and its properties	81	6
	6	Use different vector differential operators	86	
	Average Percentage		80.83333333	



Branch	ENTC	Class: SE	Subject:ELCTRONI	NICS CIRCUIT ANALYSIS -I	
	Sr No	Course Outcome	Percentage	85 -	
	1	Student can demonstrate an ability to design various electronic circuits using diode and BJT.	84	84	
	2	Student understands Electronic System Design.	82	81	
	3	Student can participate and succeed in competitive examinations.	79		
	Average Percentage		81.66666667	1 2	3

	ENTC	Class: SE	Subject: CIRCUIT & I	NETWORK
	Sr No	Course Outcome	Percentage	87
	1	Students can analyze Linear Circuit by understanding different Network theorems and analysis methods.	86	
	2	Student can evaluate transient and steady state response of Linear circuits.	80	
	3	Student can design passive filter and attenuator Circuits	84	
A	Average Percentage		83.33333333	

Branch	ENTC	Class: SE	Subject: DIGITAL TECHNIC
	Sr No	Course Outcome	Percentage
	1	Students will be able to design & realize combinational logic circuits using logic gates, MSI circuits, PLDs for various practical applications.	90
	2	Students will be able to design, implement and analyze, asynchronous and synchronous Sequential circuits using flip flops.	89
	3	Students will be able to implement the fundamentals in Industrial Applications.	84
	Average Percentage		87.66666667



	ENTC	Class: SE	Subject: DATA STRUCTU
	Sr No	Course Outcome	Percentage
	1	Student will be able to demonstrate the concepts of Stacks, Queues, Linked List, Trees	85
	2	Student will be able to give difference between linear & non-linear data structures.	83
	3	Student will be able to manage the data efficiently	80
	4	Student will be able to function on multidisciplinary industry as a professional.	76
A	verage Percentage		81



	ENTC	Class: SE	Subject: ELECTRONI	NICS CIRCUIT ANALYSIS D
	Sr No	Course Outcome	Percentage	92
	1	Student can apply concept of Negative feedback and positive feedback for amplifier design.	91	90
	2	Student can design regulated power supply and waveform generation circuits using IC555	89	87 86 85
	3	Student can participate and succeed in competitive examinations	86	
Averag	e Percentage		88.66666667	

Branch	ENTC	Class: SE	Subject: ANALOG	COMMUNICATION
	Sr No	Course Outcome	Percentage	
	1	Students will be able to compare different modulation techniques	85	90
	2	Students will be able to perform experiment as well as to analyze and interpret data.	78	80
	3	Students will be able to apply Modern engineering tools (MATLAB) for modulation techniques.	72	75
	4	Students will be able to identify, formulate & solve communication engineering problems.	78	65
	Average Percentage		78.25	1



anch	ENTC	Class: SE	Subject: CONTROL S
	Sr No	Course Outcome	Percentage
	1	Students will be able to analyze various control systems.	92
	2	Students will be able to obtain transfer function of systems using signal flow graph and block diagram reduction.	92
	3	Students will be able to obtain stability of systems.	94
	4	Students will be able to make time domain analysis of control systems.	94
	5	Students will be able to make frequency domain analysis of control systems.	92
A	verage Percentage		92.8



ENTC	Class: SE	Subject: LINEAR IN	ITEGRATED CIRCUIT
Sr No	Course Outcome	Percentage	100
1	Students will be able to design linear and non- linear Op-Amp circuits for various practical applications.	94	80
2	Students would be able to attempt questions on Op-Amp at GATE level exams.	94	
Average Percentage		94	1 2

	ENTC	Class: SE	Subject: SIGNAL &	& SYSTEM
	Sr No	Course Outcome	Percentage	7
	1	Students are able to represent different signals and systems mathematically and are able toperform simulation using MATLAB.	92	92.5 92 91.5
	2	Students are able to model LTI system.	89	91 90.5 90
	3	Students can determine system stability using z transform.	92	89.5
	4	Students are able to solve questions on signals and systems for various competitive examinations.	89	
Ave	rage Percentage		90.5	1

Branch	ENTC	Class : TE	Subj	ect : Electro N	lagnetic E	Engg. & Ra	diating System
				ı			
	Sr no	Course Outcome	Percentage	120	1		
				100			
	1	Able to derive wave equation.	98				
				80			
	2	Apply the fundamentals in Telecommunication	08	60			
	Z	Applications.	96	10			
				40			
	3	Succeed in different competitive examinations.	98	20			
				0			
	Average Percentage		98			1	



ch ENTC Class : TE Subject : Principles					les of Digita	l Communica	ation			
Γ	Sr no	Course Outcome	Percentage		120 -					
	1	Solve and analyze problems related to entropy coding.	96		100					
					80	-		-		
_	2	Distinguish between pulse and digital modulation techniques.	96		60	_		-		
	3	Identify the modulation techniques for different applications.	96		40	-		-	 -	
А	verage Percentage		96		20	-		_		
L		1	50	1	0	1		2	 3	







Branch



	ENTC	Class : TE	Subject : Mi	tions						
Г				93 —						
	Sr no	Course Outcome	Percentage							
				92 -						
	1	Describe the fundamental features and operation of contemporary microcontroller	92	91 -	-			 		
		Identify memory organization of a microcontroller and Illustrate microcontroller memory and peripherals expansion		90 -		_				
	2	capability	86	89 -	_			 -	 -	
				88 -	_			 -	 -	
_	3	Analyze the program for time and code complexity	90	87 -	_			 -	 -	
	4	Develop assembly language source code for applications that use I/O ports, timer and single/multiple interrupts	90	86 -		-		-	 -	
	Describer			85 -		_	-		 -	
A	verage Percentage		89.5	84 -			-			
				83 +		1	2	 3	 4	







anen	ENTC Class: BE St			er Communication Network
	Sr No	Course Outcome	Percentage	95
	1	Explain the concept of ISDN ,BISDN and ATM	94.55	94.5 93.5
	2	Distinguish between pros and cons of ISDN and BISDN services.	92.73	93 92.5 92
Ave	verage Percentage		93.64	91.5
nch	ENTC	Class: BE	Subject : Multime	edia Communication Techniques
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	Sr No	Course Outcome	Percentage	96 -
	1	Student will understand the concept of disc.	94.55	94
	2	Student will become familiar with the components of colour TV.	94.55	90
	3	Student will develop the ability to analyze the applications of Multimedia and identify various communication modes and media types used in Multimedia.	94.55	86
	4	Student will gain the ability to apply engineering tools necessary for engineering practice.	87.27	1
	Average Percentage		92.73	



Branch	ENTC	Class: BE	Subjec	bject : Embedded Systems	
	Sr No	Course Outcome	Percentage	95	
	1	To design, execution and evaluation of experiments on embedded platforms	92.73	94.5	
	2	To analysis, design and testing of systems that include both hardware and software.	94.55	93 92.5	
	Average Percentage		93.64	92	
				91.5	

anch	ENTC	Class: BE	Subject : Elec	ective – II Pattern Recognition
i		1		¬
	Sr No	Course Outcome	Percentage	94
	1	Implement various pattern recognition tasks & techniques	92.73	92
	2	Apply the basic knowledge about neural network & Fuzzy technique	89.09	91
	3	Apply the basic knowledge about neural network & Fuzzy technique	90.91	
	Average Percentage		90.91	

anch	ENTC	Class: BE	Subject : Comp	outer Communicat	ion Netwo	rk
г						
	Sr No	Course Outcome	Percentage	98.5		
				98	_	
	1	Describe computer communication networks.	98.18	97.5	_	
				97	-	
	2	Differentiate the various types of network configurations.	98.18	96.5		
				96		
	2		06.26	95.5		
	3	Identify and describe network devices and standards.	96.36	05		
		Evelin land over a transfer internet and to all and		55 -	1	
	4	applications.	96.36			
	Average Percentage		97.27			



Branch	ENTC	Class: BE	Su	bject :VLSI Design
			T	1
	Sr No	Course Outcome	Percentage	
	1	Use EDA Tools for logic system design.	96.36	99
	2	Design, implement and analyze combinational and sequential logic circuits.	94.55	96
	3	Design combinational logic using CMOS logic.	98.18	94
	4	Implement real time applications on commercially available devices.	94.55	92
	Average Percentage		95.91	1



ENTC	Class: BE	Subject :
Sr No	Course Outcome	Percentage
1	Can explain basics of satellite communication	96.36
2	Is able to state various aspects related to satellite system.	94.55
3	Is able to solve problems related to orbital mechanism, link budget design.	92.73
Average Percentage		94.54666667



Branch

: Satellite Communication

ich	ENTC	Class: BE	Sub	ject : Coding Theory
	Sr No	Course Outcome	Percentage	95
1		Solve problems in coding techniques	92.73	94.5
	2	Analyze and design coder and decoder for linear block code, cyclic codes.	94.55	93.5
	Average Percentage		93.64	92.5

Branch	ENTC	Class: BE	Subject : El	ective – I Image Processing
	Sr No	Course Outcome	Percentage	
	1	Describe applications of digital image processing.	96.36	98
	2	Apply mathematical tools for processing images.	90.91	94
	3	Enhance images using time and frequency domain enhancement techniques	89.09	90
	4	Analyze the images	89.09	86
	5	Describe various image compression techniques	94.55	
	Average Percentage		92	

