School Name: Mukesh Patel School of Technology Management and Engineering

Teaching Scheme for Academic Year: 2020-21

Name of	Name of the Programme : B.Tech. (Electronics and Telecommunication Engineering)						Year of the Programme : Second Year							Semester : III								
	Module / Subject Code	bject Name of the Module	Theory	Practicals	Tutoria ls	Total no.		Durati Examinati		Mode of Exam		Distrik		Examina f ICA Ma	ntion Scher	_ ` _ `	ghtage) EE	То	tal	Templ	GR applica	R e
Sr. No.			Hours per week	Hours per week		for the subject (In Term)	Credit/s	Term End Examinat ion	Only ICA	Written / OffLine/On line/Computer based / Practical/Viva /Jury/ Presentation	Test I	Test II	Term work *		Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Marks (ICA+ TEE)	Weigh tage %	ate Codes	ble (Yes / No)	m a r k
1	BTET03010	Mathematics III	3	0	1	60	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
2		Electronic Devices	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
3		Digital System Design	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
4	BTET03013	Signals and Systems	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
5	BTET03014	Circuit and Network Theory	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
6		Presentation and Communication Techniques	2	0	0	30	2	-	Only ICA	-	10	10	30	50	50	0	0	50	100	7032	No	
	Total		17	6	1	360	21	15			60	60	180	300	300	500	250	550	600		<u> </u>	

^{*}Term Work = Viva / Presentations/ Journals/ assignments/ quizes / MCQs/Business plans/Role plans etc.

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HOD:	Dean :

'ls. Note :-Any approval/change should be hlighlighted in gray as per academic
ouncils meeting, dated

[#] syllabus common for different streams/ Programme can use common question paper. (for eg: B.TECH(Stream) & MBA.TECH (Stream))

 $School\ Name: Mukesh\ Patel\ School\ of\ Technology\ Management\ and\ Engineering$

Teaching Scheme for Academic Year: 2020-21

Name of the Programme : B.Tech. (Electronics and Telecommunication Engineering)								Yea	r of the P	rogramme : Second Yea	ar			Semester : IV								
		' I Name of the Module I				Total no		Durati Examinati		Mode of Exam		Distri	bution o		ation Sche Iarks		ghtage) EE	То	tal	Templ ate Codes		R
Sr. No.	Module / Subject Code		Theory Hours per week	Practicals Hours per week		Total no. of hours for the subject (In Term)		Term End Examinati on	Only ICA	Written / OffLine/On line/Computer based / Practical/Viva /Jury/ Presentation	Test	Test II	Term work*		Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Marks (ICA+ TEE)	Weigh tage %		GR applicab le (Yes / No)	e m / a r k
1	BTET04012	Probability and Stochastic Processes	3	0	1	60	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
2	BTET04013	Analog Circuits	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
3	BTET04014	Microprocessor and Microcontroller	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
4	BTET04015	Database Management Systems	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
5	BTET04016	Electromagnetic Field Theory	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6	BTET04017	Study of Technology Trends	0	2	0	30	1	-	Only ICA	-	0	0	50	50	50	0	0	50	100	7032	No	NUE
7	BTET04011	Principles of Economics and Management	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
8	BTET04018	Essence of Indian Traditional Knowledge	2	0	0	30	0	-	Only ICA	-	0	0	50	50	50	0	0	50	100	7032	No	#
	Total		20	8	1	435	23 18				60	60	280	400	400	600	300	700	800			

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NUE = Non University Examination (Examination conducted at school level)

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HOD:	Dean :

Pls. Note :-Any approval/change should be hlighlighted in gra	y as per academic
councils meeting, dated	

School Name: Mukesh Patel School of Technology Management and Engineering

Teaching Scheme for Academic Year: 2020-21

	Name of the Programme : B.Tech. (Electronics and Telecommunication Engineering)							Yea	r of the	Programme : Tl	nird Yea	ır		Semester: V								
Sr. No.	Module / Subject Code	Name of the Module		Practic	Tutori	Total no.				Mode of Exam		Distribu			tion Scher	, ,	htage) EE	То	otal		GR	R
			Theory Hours per week	als als Hours Hou		of hours for the subject (In Term)	Crodit/s	Term End Examin ation	Only ICA	Written / OffLine/On line/Compute r based / Practical/Viva /Jury/ Presentation	Test I	Test II	Term work *	Total	Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Marks (ICA+ TEE)	(ICA+ Weighta		applic able (Yes / No)	e m a r k
1	BTET05014	Elements of Biology	3	0	1	60	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
2	BTET05015	Analog and Digital Communication	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
3	BTET05016	Control System Engineering	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	BTET05017	Statistical Methods and Analysis	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
5	BTET05019	Environmental Studies	2	0	0	30	0	-	Only ICA	-	10	10	30	50	50	0	0	50	100	7032	No	#
6	BTET05018	Management Accounting for Engineers	2	0	0	30	2	2	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
	Total		16	4	1	315	17	14			60	60	180	300	300	500	250	550	600			

 $[\]hbox{``Term Work = Viva/Presentations/Journals/assignments/ quizes/MCQs/Business plans/Role plans etc.}$

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School Name: Mukesh Patel School of Technology Management and Engineering

Teaching Scheme for Academic Year: 2020-21

	Name of the Programme : B.Tech. (Electronics and Telecommunication Engineering)							Year	of the	Programme: Th	ird Yea	ır		Semester : VI										
					Practi	Tutori	Total no.		Durati Examii (Hi	nation	Mode of Exam		Distrib	ution of I			eme (Weighta TEF	,	Tot	al		GR	R	
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	cals Hour s per	als Hours	of hours s for the subject (In	Credit/s		,	ICIII	Only ICA	Written / OffLine/On line/Compute r based / Practical/Viva /Jury/ Presentation	Test I	Test II	Term work *	Total Marke	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)			Templat e Codes	applic	e m a r k
1	BTET06012	Discrete Time Signal Processing	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes			
2	BTET06013	Microwave and Antenna Theory	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes			
3	BTET06014	Minor Project	0	2	0	30	1	-	Only ICA	-	0	0	50	50	50	0	0	50	100	7032	No			
4	BTET06015	Computer Networks	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#		
5	BTET06016	Embedded Systems	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes			
6		Departmental Elective -1	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes			
7	BTET06022	Research Methodology	0	2	0	30	1	-	Only ICA	Written	0	0	50	50	50	0	0	50	100	7032	No	#		
8	BTET06023	Professional Ethics and Legal Aspects	2	0	0	30	2	2	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes			
	Total		17	14	0	465	24	17	0	0	60	60	280	400	400	600	300	700	800					

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Departmental Elective - 1 (Choose Any One)										
Code	Subject									
BTET06017	Power Electronics									
BTET06018	Computational Methods									
BTET06019	Industrial Automation									
BTET06020	Image and Video Processing									
BTET06021	Digital Television Systems									



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neeting, dated	

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School Name: Mukesh Patel School of Technology Management and Engineering Teaching Scheme for Academic Year: 2020-2021

Name of the Programme : B.Tech. (Electronics and Telecommunication Engineering)								Year of the Programme: Fourth Year							Semester : VII								
Sr. No.	Module / Subject Code							Exami	Duration of Examination Scheme (Weightage) Examination (Hrs) Mode of Exam Examination Scheme (Weightage) TEE							Total				R			
		Name of the Module	Theory Hours per week	Practic als Hours per week	als	Hours for the per subject	Cred it/s	Term End Exam inatio n	Only ICA	Written / OffLine/On line/Compute r based / Practical/Viv a /Jury/ Presentation	Test I	Test II	Term work *		Scaled to (Marks)		Scaled to (Marks	Marks (ICA+ TEE)	Weig htag e %	Templ ate Codes	applicar	e m a r k	
1	BTET07001	Optical Fiber Communication	3	2	0	75	4	3	,	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
2	BTET07002	Wireless Communication Technology	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#	
3	BTET07003	Project Phase I	0	8	0	120	4	0	Only ICA	-	0	0	100	100	100	0	0	100	100	7003	No		
		Elective I (Choose Any One)																					
4	BTET07004	Image and Video Processing	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
5	BTET07005	Advanced Microcontrollers	3	2	0	75	4	3	1	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
6	BTET07006	Robotics	3	2	0	75	4	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes		
		Elective II (Choose Any One)																					
7	BTET07007	Machine Learning	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
8	BTET07008	Introduction to Automation	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
9	BTET07009	Multimedia Signal Compression	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
10	BTET07010	VLSI Design and Technology	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes		
	Total		12	16	0	420	20	12			40	40	220	300	220	280	280	500	500				

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School Name: Mukesh Patel School of Technology Management and Engineering Teaching Scheme for Academic Year: 2020-2021

	Name of th	e Programme : B.Tech. (Electronics and Telec	Year of the Programme: Fourth Year								Semester : VIII											
Sr. No.	Module / Subject Code	Name of the Module	The		Total no. of Urration of Examination (Hrs) Mode of Exam					Examination Scheme (W					(Weightage) TEE Total				CP	R		
			Hours Ho	Practicals Hours per week	Tutorials Hours per week	hours for the subject (In Term)	Credit/s	Term End Examin ation	Only ICA	Written / OffLine/On line/Computer based / Practical/Viva /Jury/ Presentation	Test I	Test II	Term work *	Total	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Marks (ICA+ TEE)	Weightage %	Template Codes	GR applica ble (Yes / No)	m
1		Digital Voice and Broadband Communication	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
2	BTET08002	Satellite Communication and Radar	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
3	BTET08003	Project Phase II	0	8	0	120	4	0	Only ICA	-	0	0	100	100	100	0	0	100	100	7003	No	
4	BTET08011	Elements of Biology	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
		Elective III (Choose Any One)																				
5	BTET08004	Embedded Systems	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
6	BTET08005	Network Design and Planning	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#
7		Data Encryption and Network Security	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
		Elective IV (Choose Any One)																			<u> </u>	
8		Speech Processing	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	$oxed{oxed}$
9		Fuzzy Logic and Neural Networks	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
10		Mobile Computing	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	igspace
11		Internet of Things	3	2	0	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	igsquare
	Total		15	16	2	495	24	15			50	50	250	350	250	350	350	600	600			

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