

Shreemati Nathibai Damodar Thackersey Women's University

1, Nathibai Thackersey Road, New Marine Lines, Mumbai-400020, Maharashtra (India)

# **Course Assessment Scheme**

For

Post Std 10+2 Program, For 4 Year(s) Bachelor Degree Program in

Faculty of Science and Technology

Bachelor Of Technology(B.Tech.) (Credits System)

(Revised 2019-Regular)

Electronics

Program Code: -

#### Courses

### Teaching And Assessment Scheme

Abbreviations: TLM - Teaching Learning Method, AM - Assessment Method, AT - Assessment Type, EXT - External Assessment, INT - Internal Assessment, Hrs - Contact Hours per Week, MS - Marks System, GS - Grade System, Min - Minimum Marks, Max - Maximum Marks, DG - Direct Grading, IG - Indirect Grading

**Program Part: FY** Separate Passing Head: No, Min: 0, Max: 1050, Total Credits: 38.00

**Term: Sem I** Separate Passing Head: No, Min Courses: 8, Max Courses: 8, Min: 0, Max: 450, Total Credits: 17.50

### The courses under Sem I are as follows:

Course Name: Applied Science (Physics and Chemistry)										
		011 Min: 0 Max: 100							I	
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	4	4.00/4.00	Theory	_	100	EXT	30	75	Marks System	
			1110019			INT	10	25	Marks System	
Course Nar										
		012 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	4	4.00/4.00	Theory	_	100	EXT	30	75	Marks System	
			1110019			INT	10	25	Marks System	
	-	plied Science Lab 0021 Min: 0 Max: 50								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
<b>.</b>	,	4 50/4 50	Practical			EXT	10	25	Marks System	
Practicals	1	1.50/1.50	/Viva	-	50	INT	10	25	Marks System	
		sic Electrical Engineeri 0011 Min: 0 Max: 100	ng				-			
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lastona		4.00/4.00	Th		400	EXT	30	75	Marks System	
Lecture	4	4.00/4.00	Theory	-	100	INT	10	25	Marks System	
		gineering Graphics and 0012 Min: 0 Max: 25	Design							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	1	1.00/1.00	Theory	-	25	EXT	10	25	Marks System	
		sic Electrical Engineeri 0021 Min: 0 Max: 25	ng Lab							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Practicals	1	1.00/1.00	Practical /Viva	-	25	EXT	10	25	Marks System	
		gineering Graphics and 0022 Min: 0 Max: 50	Design La	ab						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
		2.00/2.00	Practical			EXT	10	25	Marks System	
Practicals	2	2.00/2.00	/Viva	-	50	INT	10	25	Marks System	
		luction Programme 051 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Practicals	0	0.00/0	Practical /Viva	-	100	INT	-	100	Marks System	

Term: Sem II Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min: 0, Max: 600, Total

Credits: 20.50

## The courses under Sem II are as follows:

		plied Science (Physics	and Chem	nistry)					
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		•				EXT	30	75	Marks System
Lecture	4	4.00/4.00	Theory	-	100	INT	10	25	Marks System
Course Nam	ne: Ma	thematics-II							mame eyetem
Course Code	e: 210	012 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		4.00/4.00			400	EXT	30	75	Marks System
Lecture	4	4.00/4.00	Theory	-	100	INT	10	25	Marks System
Course Nam	пе: Ар	plied Science Lab	Į.	Į.					-
Course Code	e: 210	021 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Duantinala	4	1.50/1.50	Practical		50	EXT	10	25	Marks System
Practicals	1	1.50/1.50	/Viva	-	50	INT	10	25	Marks System
Course Nam	ne: Pro	ogramming for Problem	Solving						
Course Code	e: 220	011 Min: 0 Max: 100	1						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Locturo	3	3.00/3.00	Thoony	_	100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	_	100	INT	10	25	Marks System
		orkshop/Manufacturing 1012 Min: 0 Max: 25	Practices						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	1	1.00/1.00	Theory	-	25	EXT	10	25	Marks System
	ne: Pro	ogramming for Problem		ab					
Course Code	e: 220	021 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		0.00/0.00	Practical			EXT	10	25	Marks System
Practicals	2	2.00/2.00	/Viva	-	50	INT	10	25	Marks System
		orkshop/Manufacturing 1022 Min: 0 Max: 50	Practices I	Lab					
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		•				EXT	10		Marks System
Practicals	2	2.00/2.00	Practical /Viva	-	50	INT	10	25	Marks System
Course Nam	ne: En	alish					.0		Marks Cystem
		011 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		•				EXT	16	40	Marks System
Lecture	2	2.00/2.00	Theory	-	50	INT	4	10	Marks System
Course Nam	ne: En	glish Practical	l				'		and ojotom
		021 Min: 0 Max: 25							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical /Viva	-	25	INT	10	25	Marks System
Course Nam		vironmental Sciences	l	ı	I	I		<u> </u>	<u>I</u>
	ne: ⊨n	vii oi ii ilei ilai odei ides							
Course Code		011 Min: 0 Max: 50							
Course Code			AM	Min	Max	AT	Min	Мах	Evaluation System

Program Part: SY Separate Passing Head: No, Min: 0, Max: 1500, Total Credits: 41.00

Term: Sem III Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min: 0, Max: 750, Total

Credits: 19.00

The courses under Sem III are as follows:

Course Nan	ne: An	plied Mathematics (EE	<u> </u>						
		211 Min: 0 Max: 100	,						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lastina	4	4.00/4.00	Theory		100	EXT	30	75	Marks System
Lecture	4	4.00/4.00	Theory	-	100	INT	10	25	Marks System
		onomics for Engineer (	EE)						
		211 Min: 0 Max: 50				ı .			T
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	1	0.00/0.00	Theory	-	50	INT	20	50	Marks System
		omen Law (EE)							
		212 Min: 0 Max: 50	444	A 4:	14	4.7	N 4:	11	Frankrickian Contains
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System
		ectronic Devices (EE) 211 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		0.00/0.00			400	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
Course Nan	ne: Dig	gital System Design (EB	Ξ)						
Course Cod	le: 341	212 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Thoon		100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	_	100	INT	10	25	Marks System
		nals and System (EE)							
	le: 341	213 Min: 0 Max: 100				1			1
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
					100	INT	10	25	Marks System
		mputer Architecture (E	E)						
		214 Min: 0 Max: 100							Γ
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
			-			INT	10	25	Marks System
		ectronic Devices Lab (E 221 Min: 0 Max: 50	E)						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
			Proctical			EXT	10	25	Marks System
Practicals	1	1.00/1.00	Practical /Viva	-	50	INT	10	25	_
	_	⊔ gital System Design Lal	b (EE)		<u> </u>				inanie Ojotom
		222 Min: 0 Max: 50					-		1
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical	_	50	EXT	10	25	Marks System
. radioais	'	1.00, 1.00	/Viva			INT	10	25	Marks System

	Course Name: Constitutions of India (EE) Course Code: 381251 Min: 0 Max: 50										
TLM Hrs Credits/Paper_Credit AM Min Max AT Min Max Evaluation System											
1 4	0	2 00/2 00	TI		E0	EXT	10	25	Marks System		
Lecture	2	2.00/2.00	Theory	_	50	INT	10	25	Marks System		
Course Nan	ne: Da	ta Structure and Algorit	hms Lab (	EE)							
Course Coo	le: 391	221 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
D +!   -	4	1.00/1.00	Practical		E0	EXT	10	25	Marks System		
Practicals	1	1.00/1.00	/Viva	_	50	INT	10	25	Marks System		

Term: Sem IV Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min: 0, Max: 750, Total

Credits: 22.00

The courses under Sem IV are as follows:

Course No	mo: Cr	eating and Managing IF	DD/Datantii	na (EE)					
		eaung and Managing ir 1211 Min: 0 Max: 50	-ry-alenii	ilg (EE)					
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		0.00/0.00				EXT	10	25	Marks System
Lecture	2	2.00/2.00	Theory	-	50	INT	10	25	Marks System
Course Na	ne: Pro	ofessional Ethics (EE)							-
Course Co	de: 431	212 Min: 0 Max: 50							<b>.</b>
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	2	2.00/2.00	Theory	_	50	EXT	10	25	Marks System
			THEOLY		30	INT	10	25	Marks System
		tical Thinking (EE)							
	1	213 Min: 0 Max: 50	ı						Γ
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	2	2.00/2.00	Theory	_	50	EXT	10	25	Marks System
			•			INT	10	25	Marks System
		ndamentals of Manage	ment for E	inginee	rs (EE)	)			
		214 Min: 0 Max: 50			T				Γ
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	2	2.00/2.00	Theory	_	50	EXT	10	25	Marks System
						INT	10	25	Marks System
		ectromagnetic Waves (I	EE)						
TLM	Hrs	211 Min: 0 Max: 100	AM	Min	Max	AT	Min	Max	Evaluation System
I LIVI	1115	Credits/Paper_Credit	Alvi	IVIIII	IVIAX	EXT	30	75	-
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
Course Na	me: An	alog Circuits (EE)				IINI	10	25	Marks System
		212 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		•				EXT	30	75	-
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	
Course Na	ne: Mi	crocontrollers (EE)	l	1	1				1 2000
		213 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Looturo	2	3 00/3 00	Theore		100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory		100	INT	10	25	Marks System

Course Name: Probability Theory and Stochastic Processes (EE)											
Course Coo	de: 441	214 Min: 0 Max: 100									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System		
			THEOLY	_	100	INT	10	25	Marks System		
		twork Theory (EE)									
	de: 441	215 Min: 0 Max: 100	ı	ı					<b>I</b>		
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System		
			_			INT	10	25	Marks System		
		ectromagnetic Waves L 221 Min: 0 Max: 50	ab (EE)								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Practicals	1	1.00/1.00	Practical		50	EXT	10	25	Marks System		
Fracticals	ı	1.00/1.00	/Viva	_	30	INT	10	25	Marks System		
		alog Circuits Lab (EE) 222 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Practicals	1	1.00/1.00	Practical		50	EXT	10	25	Marks System		
Fracticals	I	1.00/1.00	/Viva	_	30	INT	10	25	Marks System		
		crocontrolles Lab (EE) 223 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Lecture	1	1.00/1.00	Theory		50	EXT	10	25	Marks System		
Lecture	I	1.00/1.00	Theory	_	30	INT	10	25	Marks System		
		ject Oriented Programi 221 Min: 0 Max: 50	ming (EE)								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System		
Practicals	2	2.00/2.00	Practical /Viva	-	50	INT	20	50	Marks System		

**Program Part: TY** Separate Passing Head: No, Min: 0, Max: 1500, Total Credits: 42.00

Term: Sem V Separate Passing Head: No, Min Courses: 11, Max Courses: 11, Min: 0, Max: 750, Total

Credits: 20.00

The courses under Sem V are as follows:

Course Name: Effective Technical Communication										
Course Coo	le: 531	211 Min: 0 Max: 50								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	-	50	EXT	20	50	Marks System	
Course Nan	ne: Eff	ective Technical Comm	nunication	Lab						
Course Coo	le: 531	221 Min: 0 Max: 50								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	ΑT	Min	Max	Evaluation System	
Practicals	1	1.00/1.00	Practical /Viva	-	50	INT	20	50	Marks System	
Course Nan	ne: An	alog and Digital Comm	unications							
Course Coo	le: 541	211 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lastura	2	2 00/2 00	Theory		100	EXT	30	75	Marks System	
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System	

Course Nar	ne: Did	gital Signal Processing							
		212 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Locturo	3	3.00/3.00	Thoony		100	EXT	30	75	Marks System
Lecture			Theory	_	100	INT	10	25	Marks System
		ntrol Systems 213 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
7 2101	7110	Oreans/r aper_Orean	7 1171	141111	Wax	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
Course Nar	ne: An	lalog and Digital Comm	unications	Lab			.0		Marks Cystern
		221 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical		50	EXT	10	25	Marks System
	·		/Viva	-	30	INT	10	25	Marks System
		gital Signal Processing 222 Min: 0 Max: 50	Lab						
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
I LIVI	1113	Credits/r aper_Credit		IVIIII	IVIAX	EXT	10	25	Marks System
Practicals	1	1.00/1.00	Practical  /Viva	-	50	INT	10	25	Marks System
Course Nar	ne: Ele	∟ ectronics Measurement	Lab			1141	10	20	Marks Oystem
		223 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical		50	EXT	10	25	Marks System
	•		/Viva	_	30	INT	10	25	Marks System
		eech and Audio Proces	ssing						
TLM		0211 Min: 0 Max: 100	AM	Min	Max	AT	Min	Max	Evaluation System
I LIVI	Hrs	Credits/Paper_Credit	Alvi	IVIIII	IVIAX	EXT	30	75	Evaluation System  Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
Course Nar	ne: Sc	lentific Computing				IINI	10	23	Marks System
		0212 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lastina		2 00/2 00	Theory		100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
	-	eech and Audio Proces	ssing Lab						
		0221 Min: 0 Max: 50	444	A 45	14	4.7	A 4:	11	Frankrick on Constant
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
Course Nar	ne. Sc	entific Computing Lab	/ • • • • • • • • • • • • • • • • • • •			INT	10	25	Marks System
		)222 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Durations		4.00/4.00	Practical			EXT	10	25	Marks System
Practicals	1	1.00/1.00	/Viva		50	INT	10	25	Marks System
		SI Design Lab							
		)223 Min: 0 Max: 50	4.8.4	N 4:	Λ4-	A -	Λ 4:	A 4 -	Frankristis - C. 1
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical /Viva	_	50	EXT	10	25	Marks System
			, viva			INT	10	25	Marks System

	Course Name: VLSI Design Course Code: 550313 Min: 0 Max: 100											
TLM												
		•	<b>-</b> .		400	EXT	30	75	Marks System			
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System			
Course Nan	ne: Es	sence of Indian Tradition	nal Knowl	edge								
Course Coo	le: 580	011 Min: 0 Max: 50										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System			
D	0	0.00/0	Practical		ΕO	EXT	10	25	Marks System			
Practicals	0	0.00/0	/Viva	-	50	INT	10	25	Marks System			

Term: Sem VI Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min: 0, Max: 750, Total

Credits: 22.00

The courses under Sem VI are as follows:

Course Na	ne. Po	wer Electronics							
		0211 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		0.00/0.00			400	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
Course Nar	ne: VL	SI	•						-
Course Coo	de: 640	)212 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
			THEOLY		100	INT	10	25	Marks System
		wer Electronics Lab							
	1	0221 Min: 0 Max: 50							I = a .
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical	_	50	EXT	10	25	Marks System
			/Viva			INT	10	25	Marks System
Course Nar									
		0222 Min: 0 Max: 50	444	• • •		4.7	1.41		
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
<u> </u>	L		,			INT	10	25	Marks System
		roduction to Hybrid and 0211 Min: 0 Max: 100	i Electricai	venicie	es				
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
1 4		3.00/3.00	The arms		100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	_	100	INT	10	25	Marks System
		IOS Design							
	1	)212 Min: 0 Max: 100	Τ						I
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
			,			INT	10	25	Marks System
		tenna and Propagation 211 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
		-			_	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System
	1	l .	l .		l				1

l		ormation Theory and C	oding						
		212 Min: 0 Max: 100					ı		
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	Theory		100	INT	10	25	Marks System
Course Name									
Course Code	e: 660	213 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	THEOTY		100	INT	10	25	Marks System
		reless and Mobile Com	munication	1					
Course Code	e: 660	214 Min: 0 Max: 100							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System
Lecture	3	3.00/3.00	THEOTY	_	100	INT	10	25	Marks System
		tenna and Propagation	Lab						
Course Code	e: 660	221 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical		50	EXT	10	25	Marks System
Fracticals	'	1.00/1.00	/Viva	_	30	INT	10	25	Marks System
		ormation Theory and C	oding Lab						
Course Code	e: 660	222 Min: 0 Max: 50							
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	1	1.00/1.00	Practical	_	50	EXT	10	25	Marks System
	•		/Viva		50	INT	10	25	Marks System
Course Name		•							
Course Code	e: 670	231 Min: 0 Max: 50					ı		
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	2	2.00/2.00	Practical	_	50	EXT	10	25	Marks System
			/Viva		30	INT	10	25	Marks System
		eb Technology Lab / Tu 221 Min: 0 Max: 50	torial						
	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
TLM	1110	, =							
TLM Practicals	2	2.00/2.00	Practical		50	EXT	10	25	Marks System

**Program Part: Final Year** Separate Passing Head: No, Min: 0, Max: 1350, Total Credits: 41.00 **Term: Sem VII** Separate Passing Head: No, Min Courses: 9, Max Courses: 9, Min: 0, Max: 800, Total Credits: 22.00

The courses under Sem VII are as follows:

Course Nan	Course Name: Disaster Management											
Course Coo	Course Code: 731211 Min: 0 Max: 50											
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System			
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System			
Course Nan	Course Name: Renewable Energy Sources											
Course Coo	le: 750	211 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System			
Lastina	,	3.00/3.00	Theory		100	EXT	30	75	Marks System			
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System			

Course Name: Consumer Electronics Course Code: 750212 Min: 0 Max: 100										
			444	N 4:	11-11	4.7	1.4i	11	Evaluation Custom	
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System	
Course Nor	no. Do	hatiaa	_			INT	10	25	Marks System	
Course Name: Robotics Course Code: 750213 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
						EXT	30	75	Marks System	
Lecture	3	3.00/3.00	Theory	-	- 100	INT	10	25	Marks System	
Course Name: Mechatronics										
Course Coo	Course Code: 750214 Min: 0 Max: 100									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	_	100	EXT	30	75	Marks System	
						INT	10	25	Marks System	
Course Nan		<b>)L</b> )215 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
I LIVI	1113	Credits/r aper_Credit	Alvi	IVIIII	IVIAX	EXT	30	75	Marks System	
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System	
Course Nar	ne: Na	no Electronics				IIVI	10		Marks System	
		216 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lastina	3	3.00/3.00	Theory	1	100	EXT	30	75	Marks System	
Lecture						INT	10	25	Marks System	
Course Nan										
		211 Min: 0 Max: 100	444			4.7			[	
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System	
Course Nor	\A/i	rless Sensor Network				INT	10	25	Marks System	
		212 Min: 0 Max: 100								
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
						EXT	30	75	Marks System	
Lecture	3	3.00/3.00	Theory	-	100	INT	10	25	Marks System	
Course Nan	ne: Cy	ber Security and Foren	sic							
Course Code: 760213 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System	
						INT	10	25	Marks System	
Course Name: Cloud Computing Course Code: 760214 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
	_	3.00/3.00	Theory	-	100	EXT	30	75	Marks System	
Lecture	3				100	INT	10	25	Marks System	
Course Name: Wirless Sensor Network Lab										
		222 Min: 0 Max: 50	44.						F . "	
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Practicals	1	1.00/1.00	Practical	_	50	EXT	10	25	Marks System	
			/Viva			INT	10	25	Marks System	

Course Name: Artificial Intelligence										
Course Code: 761211 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lecture	3	3.00/3.00	Theory	ı	100	EXT	30	75	Marks System	
						INT	10	25	Marks System	
Course Nan	Course Name: Machine Learning									
Course Code: 761212 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Lastura	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System	
Lecture						INT	10	25	Marks System	
Course Name: Machine Learning Lab										
Course Coo	Course Code: 761222 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
D	1	1.00/1.00	Practical /Viva	ı	50	EXT	10	25	Marks System	
Practicals						INT	10	25	Marks System	
Course Name: Major Project-I										
Course Code: 770231 Min: 0 Max: 100										
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System	
Practicals	2	2.00/2.00	Practical /Viva	-	100	EXT	20	50	Marks System	
						INT	20	50	Marks System	

Term: Sem VIII Separate Passing Head: No, Min Courses: 3, Max Courses: 3, Min: 0, Max: 550, Total

Credits: 19.00

### The courses under Sem VIII are as follows:

Course Name: Design Thinking and Visualization									
Course Code: 821211 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System
Course Name: Major Project-II									
Course Code: 870231 Min: 0 Max: 400									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	14	14.00/14.00	Practical /Viva	-	400	EXT	80	200	Marks System
						INT	80	200	Marks System
Course Name: Internship									
Course Code: 870261 Min: 0 Max: 100									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	4	4.00/4.00	Practical /Viva	-	100	EXT	20	50	Marks System
						INT	20	50	Marks System