



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 & Communication**  
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:**

<b>Course Name: Applied Science (Physics and Chemistry)</b>									
Course Code: 110011 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Mathematics-I</b>									
Course Code: 110012 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Applied Science Lab</b>									
Course Code: 110021 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.50/1.50	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Basic Electrical Engineering</b>									
Course Code: 120011 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Engineering Graphics and Design</b>									
Course Code: 120012 Min: 0 Max: 25									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	25	EXT	10	25	Marks System
<b>Course Name: Basic Electrical Engineering Lab</b>									
Course Code: 120021 Min: 0 Max: 25									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	25	EXT	10	25	Marks System
<b>Course Name: Engineering Graphics and Design Lab</b>									
Course Code: 120022 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Induction Programme</b>									
Course Code: 180051 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
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:

<b>Course Name: Applied Science (Physics and Chemistry)</b>									
Course Code: 210011 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Mathematics-II</b>									
Course Code: 210012 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Applied Science Lab</b>									
Course Code: 210021 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.50/1.50	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Programming for Problem Solving</b>									
Course Code: 220011 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Workshop/Manufacturing Practices</b>									
Course Code: 220012 Min: 0 Max: 25									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	25	EXT	10	25	Marks System
<b>Course Name: Programming for Problem Solving Lab</b>									
Course Code: 220021 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Workshop/Manufacturing Practices Lab</b>									
Course Code: 220022 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: English</b>									
Course Code: 230011 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	2	2.00/2.00	Theory	-	50	EXT	16	40	Marks System
						INT	4	10	Marks System
<b>Course Name: English Practical</b>									
Course Code: 230021 Min: 0 Max: 25									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	25	INT	10	25	Marks System
<b>Course Name: Environmental Sciences</b>									
Course Code: 280011 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	2	0.00/0	Theory	-	50	EXT	20	50	Marks 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:

<b>Course Name: Applied Mathematics (ENC)</b>									
Course Code: 311211 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Economics for Engineer (ENC)</b>									
Course Code: 331211 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	0.00/0.00	Theory	-	50	INT	20	50	Marks System
<b>Course Name: Women Law (ENC)</b>									
Course Code: 331212 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System
<b>Course Name: Electronic Devices (ENC)</b>									
Course Code: 341211 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Digital System Design (ENC)</b>									
Course Code: 341212 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Signals and System(ENC)</b>									
Course Code: 341213 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Computer Architecture (ENC)</b>									
Course Code: 341214 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Electronic Devices Lab (ENC)</b>									
Course Code: 341221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Digital System Design Lab (ENC)</b>									
Course Code: 341222 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System

<b>Course Name: Constitutions of India (ENC)</b>									
Course Code: 381251 Min: 0 Max: 50									
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
<b>Course Name: Constitutions of India (ENC)(R)</b>									
Course Code: 381251 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	0	0.00/0	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Data Structure and Algorithms Lab (ENC)</b>									
Course Code: 391221 Min: 0 Max: 50									
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
						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:

<b>Course Name: Creating and Managing IPR/Patenting (ENC)</b>									
Course Code: 431211 Min: 0 Max: 50									
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
<b>Course Name: Professional Ethics (ENC)</b>									
Course Code: 431212 Min: 0 Max: 50									
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
<b>Course Name: Critical Thinking (ENC)</b>									
Course Code: 431213 Min: 0 Max: 50									
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
<b>Course Name: Fundamentals of Management for Engineers (ENC)</b>									
Course Code: 431214 Min: 0 Max: 50									
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
<b>Course Name: Electromagnetic Waves (ENC)</b>									
Course Code: 441211 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
<b>Course Name: Analog Circuits (ENC)</b>									
Course Code: 441212 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

<b>Course Name: Microcontroller (ENC)</b>									
Course Code: 441213 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Probability Theory and Stochastic Processes (ENC)</b>									
Course Code: 441214 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Network Theory (ENC)</b>									
Course Code: 441215 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Electromagnetic Waves Lab (ENC)</b>									
Course Code: 441221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Analog Circuits Lab (ENC)</b>									
Course Code: 441222 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Microcontroller Lab (ENC)</b>									
Course Code: 441223 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Object Oriented Programming (ENC)</b>									
Course Code: 491221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	INT	20	50	Marks System

**Program Part: TY** Separate Passing Head: No, Min: 0, Max: 1550, Total Credits: 48.00

**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:

<b>Course Name: Effective Technical Communication</b>									
Course Code: 531211 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	50	EXT	25	50	Marks System
<b>Course Name: Effective Technical Communication Lab</b>									
Course Code: 531221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	INT	20	50	Marks System

<b>Course Name: Analog and Digital Communications</b>									
Course Code: 541211 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
<b>Course Name: Digital Signal Processing</b>									
Course Code: 541212 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
<b>Course Name: Control Systems</b>									
Course Code: 541213 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
<b>Course Name: Analog and Digital Communications Lab</b>									
Course Code: 541221 Min: 0 Max: 50									
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
						INT	10	25	Marks System
<b>Course Name: Digital Signal Processing Lab</b>									
Course Code: 541222 Min: 0 Max: 50									
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
						INT	10	25	Marks System
<b>Course Name: Electronics Measurement Lab</b>									
Course Code: 541223 Min: 0 Max: 50									
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
						INT	10	25	Marks System
<b>Course Name: Embedded System</b>									
Course Code: 550111 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
<b>Course Name: Embedded System Lab</b>									
Course Code: 550121 Min: 0 Max: 50									
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
						INT	10	25	Marks System
<b>Course Name: Essence of Indian Traditional Knowledge</b>									
Course Code: 580011 Min: 0 Max: 50									
TLM	Hrs	Credits/Paper_Credit	AM	Min	Max	AT	Min	Max	Evaluation System
Practicals	0	0.00/0	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System

**Term: Sem VI** Separate Passing Head: No, Min Courses: 11, Max Courses: 11, Min: 0, Max: 800, Total Credits: 28.00

**The courses under Sem VI are as follows:**



<b>Course Name: Computer Network</b>									
Course Code: 640111 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Computer Network Lab</b>									
Course Code: 640121 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Microwave Theory and Techniques</b>									
Course Code: 650111 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Speech and Audio Processing</b>									
Course Code: 650112 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Scientific Computing</b>									
Course Code: 650113 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: VLSI Design</b>									
Course Code: 650114 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Database Management</b>									
Course Code: 660111 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Advance Programming</b>									
Course Code: 660112 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Internet Of Things</b>									
Course Code: 660113 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: RTOS</b>									
Course Code: 660114 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System

<b>Course Name: Database Management Lab</b>									
Course Code: 660121 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Advance Programming Lab</b>									
Course Code: 660122 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Internet Of Things Lab</b>									
Course Code: 660123 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: RTOS Lab</b>									
Course Code: 660124 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	1.00/1.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Mini Project</b>									
Course Code: 670131 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Honours Subject</b>									
Course Code: 6912 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	4	4.00/4.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Web Technology Lab / Tutorial</b>									
Course Code: 691221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	2	2.00/2.00	Practical/Viva	-	50	EXT	10	25	Marks System
						INT	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: 11, Max Courses: 11, Min: 0, Max: 850, Total Credits: 22.00

The courses under Sem VII are as follows:

<b>Course Name: Disaster Management</b>									
Course Code: 731211 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System
<b>Course Name: Information Theory and Coding</b>									
Course Code: 750111 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System

<b>Course Name: Mobile Communication and WSN</b>									
Course Code: 750112 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Fiber Optic Communication</b>									
Course Code: 750113 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Information Theory and Coding Tutorial</b>									
Course Code: 750121 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Mobile Communication and WSN Lab</b>									
Course Code: 750122 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Computer Vision</b>									
Course Code: 760111 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Mobile Robotics</b>									
Course Code: 760112 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Big Data Analysis</b>									
Course Code: 760113 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Cybersecurity and Forensic</b>									
Course Code: 760114 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Computer Vision Lab</b>									
Course Code: 760121 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Mobile Robotics Lab</b>									
Course Code: 760122 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System

<b>Course Name: Big Data Analysis Lab</b>									
Course Code: 760123 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Cybersecurity and Forensic Lab</b>									
Course Code: 760124 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Artificial Intelligence</b>									
Course Code: 761211 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Machine Learning</b>									
Course Code: 761212 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	3	3.00/3.00	Theory	-	100	EXT	30	75	Marks System
						INT	10	25	Marks System
<b>Course Name: Artificial Intelligence Lab</b>									
Course Code: 761221 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Machine Learning Lab</b>									
Course Code: 761222 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	1	1.00/1.00	Practical /Viva	-	50	EXT	10	25	Marks System
						INT	10	25	Marks System
<b>Course Name: Major Project-I</b>									
Course Code: 770131 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
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:**

<b>Course Name: Design Thinking and Visualization</b>									
Course Code: 821211 Min: 0 Max: 50									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Lecture	1	1.00/1.00	Theory	-	50	INT	20	50	Marks System
<b>Course Name: Major Project-II</b>									
Course Code: 870131 Min: 0 Max: 400									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	14	14.00/14.00	Practical /Viva	-	400	EXT	80	200	Marks System
						INT	80	200	Marks System

<b>Course Name: Internship</b>									
Course Code: 870161 Min: 0 Max: 100									
<i>TLM</i>	<i>Hrs</i>	<i>Credits/Paper_Credit</i>	<i>AM</i>	<i>Min</i>	<i>Max</i>	<i>AT</i>	<i>Min</i>	<i>Max</i>	<i>Evaluation System</i>
Practicals	4	4.00/4.00	Practical /Viva	-	100	EXT	20	50	Marks System
						INT	20	50	Marks System