

**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 papers for FY - Sem I are classified into following groups:**

**1. Compulsory Group (Min Papers: 8, Max Papers: 8, Separate Passing Head: No, Max. Marks: 450)**

Select minimum 8 paper(s)  
Select maximum 8 paper(s)

Papers:

110011	Applied Science (Physics and Chemistry)	
110012	Mathematics-I	
120011	Basic Electrical Engineering	40% change
120012	Engineering Graphics and Design	
110021	Applied Science Lab	
120021	Basic Electrical Engineering Lab	
120022	Engineering Graphics and Design Lab	
180051	Induction Programme	100%

**Term: Sem II Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min:0,Max:600, Total Credits: 20.50**

**The papers for FY - Sem II are classified into following groups:**

**1. Compulsory Group (Min Papers: 10, Max Papers: 10, Separate Passing Head: No, Max. Marks: 600)**

Select minimum 10 paper(s)  
Select maximum 10 paper(s)

Papers:

210011	Applied Science (Physics and Chemistry)	
210012	Mathematics-II	
220011	Programming for Problem Solving	40% change
220012	Workshop/Manufacturing Practices	
230011	English	
210021	Applied Science Lab	
220021	Programming for Problem Solving Lab	
220022	Workshop/Manufacturing Practices Lab	
230021	English Practical	
280011	Environmental Sciences	

**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 papers for SY - Sem III are classified into following groups:**

**1. Compulsory Group (Min Papers: 9, Max Papers: 9, Separate Passing Head: No, Max. Marks: 700)**

Select minimum 9 paper(s)  
Select maximum 9 paper(s)

Papers:

341211	Electronic Devices (ENC)	
341221	Electronic Devices Lab (ENC)	
341212	Digital System Design (ENC)	30% change
341222	Digital System Design Lab (ENC)	
341214	Computer Architecture (ENC)	
311211	Applied Mathematics (ENC)	
381251	Constitutions of India (ENC)	
391221	Data Structure and Algorithms Lab (ENC)	100%
341213	Signals and System(ENC)	

*Bole*  
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2.Optional Group (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 50)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)


Papers:

331211

Economics for Engineer (ENC) ~~100%~~ New

331212

Women Law (ENC) New

  
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Term: Sem IV Separate Passing Head: No, Min Courses: 10, Max Courses: 10, Min:0,Max:750, Total Credits: 22.00

The papers for SY - Sem IV are classified into following groups:

**1. Compulsory Group** (Min Papers: 9, Max Papers: 9,  
Separate Passing Head: No, Max. Marks: 750)  
Select minimum 9 paper(s)  
Select maximum 9 paper(s)

Papers:

441211	Electromagnetic Waves (ENC)
441221	Electromagnetic Waves Lab (ENC)
441212	Analog Circuits (ENC)
441222	Analog Circuits Lab (ENC)
441213	Microcontrollers (ENC)
441223	Microcontrolles Lab (ENC)
441214	Probability Theory and Stochastic Processes (ENC)
441215	Network Theory (ENC)
491221	Object Oriented Programming (ENC)

**2. Optional Group** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 50)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

431211	Creating and Managing IPR/Patenting (ENC)
431212	Professional Ethics (ENC)
431213	Critical Thinking (ENC)
431214	Fundamentals of Management for Engineers (ENC)

**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 papers for TY - Sem V are classified into following groups:

**1. Compulsory Group** (Min Papers: 9, Max Papers: 9,  
Separate Passing Head: No, Max. Marks: 600)  
Select minimum 9 paper(s)  
Select maximum 9 paper(s)

Papers:

541211	Analog and Digital Communications	50%
541221	Analog and Digital Communications Lab	
541212	Digital Signal Processing	
541222	Digital Signal Processing Lab	
541213	Control Systems	
541223	Electronics Measurement Lab	
531211	Effective Technical Communication	
531221	Effective Technical Communication Lab	
580011	Essence of Indian Traditional Knowledge	

**2. Elective Group I** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

550111	Embedded System
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**3. Elective Lab Group I** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 50)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

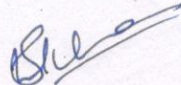
Papers:

*[Signature]*  
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550121

Embedded System Lab

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

The papers for TY - Sem VI are classified into following groups:

**1. Compulsory Group** (Min Papers: 5, Max Papers: 5,  
Separate Passing Head: No, Max. Marks: 250)  
Select minimum 5 paper(s)  
Select maximum 5 paper(s)

Papers:

640111	Computer Network	
640121	Computer Network Lab	
640122	Mini Project	
691221	Web Technology Lab / Tutorial	New Subject
6912	Honours Subject	

**2. Elective Group II** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

650111	Microwave Theory and Techniques
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**3. Elective Group III** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

650112	Speech and Audio Processing	New Subject
650113	Scientific Computing	
650114	VLSI Design	New Subject

**4. Open Elective Group I** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

660111	Database Management	New Subject
660112	Advance Programming	New Subject

**5. Open Elective Group II** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

660113	Internet Of Things
660114	RTOS

**6. Open Elective lab Group I** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 50)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

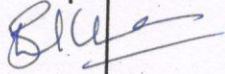
Papers:

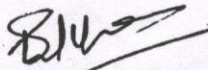
660121	Database Management
660122	Advance Programming

**7. Open Elective lab Group II** (Min Papers: 1, Max Papers: 1,  
Separate Passing Head: No, Max. Marks: 100)  
Select minimum 1 paper(s)  
Select maximum 1 paper(s)

Papers:

660123	Internet Of Things Lab
660124	RTOS Lab

  
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