

### Course Frame Work (batch from 2014)

S.No	Year/ Semester	Part	Subject	Teaching Hours		Credits	CIA	ESE	Total
				Theory	Pr				
1	I Year I Semester	I	Language(Tamil/Hindi/ Sanskrit)	6		3	25	75	100
2		II	English	6		3	25	75	100
3		III	Properties of Matter	5		3	15	60	75
4		III	Thermal Physics	4		3	15	60	75
5		III	Practical I		3	Exam at the end of II sem			
6		III	Allied Chemistry I	4			15	60	75
7		III	Allied Chemistry Practical		2	Exam at the end of II sem			
8		IV	NME			2	40	60	100
9		IV	Soft Skills			3	40	60	100
10	I Year II Semester	I	Language(Tamil/Hindi/ Sanskrit)	6		3	25	75	100
11		II	English	6		3	25	75	100
12		III	Acoustics & Thermodynamics	5		3	15	60	75
13		III	Mechanics	4		3	15	60	75
14		III	Practical I		3	2	20	30	50
15		III	Allied Chemistry II	4		4	15	60	75
16		III	Allied Chemistry Practical		2	2	20	30	50
17		IV	NME			2	40	60	100
18		IV	Soft Skills			3	40	60	100
19	II Year III Semester	I	Language(Tamil/Hindi/ Sanskrit)	6		3	25	75	100
20		II	English	6		3	25	75	100
21		III	Mathematical Physics & Statistical Mechanics	5		3	15	60	75
22		III	Optics	4		3	15	60	75
23		III	Practical II		3	Exam at the end of IV sem			
24		III	Allied Maths I	6		5	25	75	100
25		IV	EVS			2	50	50	100

S.No	Year/ Semester	Part	Subject	Teaching Hours		Credits	CIA	ESE	Total	
				Theory	Pr					
26	II Year IV Semester	I	Language(Tamil/Hindi/ Sanskrit)	6		3	25	75	100	
27		II	English	6		3	25	75	100	
28		III	Atomic Physics	5		3	15	60	75	
29		III	Electricity and Magnetism	4		3	15	60	75	
30		III	Practical II		3	2	20	30	50	
31		III	Allied Maths II	6		5	25	75	100	
32		III	Skill based elective paper			3				
33	III Year V Semester	III	Electromagnetism	4		3	15	60	75	
34		III	Basics of Nanoscience	4		3	15	60	75	
35		III	Nuclear physics	4		3	15	60	75	
35		III	Microprocessor Architecture & programming	3		3	15	60	75	
37		III	Elective –I	5		5	25	75	100	
38		III	Elective-II Microprocessor Practical		6	Exam at the end of VI sem				
39		III	Practical III General		2					
40	III	Practical IV Electronics		2						
41	IV	Soft Skills			3	40	60	100		
42	III Year VI Semester	III	Spectroscopy & laser physics	4		3	15	60	75	
43		III	Relativity & Quantum mechanics	4		3	15	60	75	
44		III	Solid state Physics & Semiconductor devices	3		3	15	60	75	
45		III	Integrated Electronics	4		3	15	60	75	
46		III	Elective –III	5		5	25	75	100	
47		III	Elective –II Microprocessor Practical		6	5	25	75	100	
48		III	Practical III General		2	4	40	60	100	
49		III	Practical IV Electronics		2	4	40	60	100	
50		IV	Value education			2	40	60	100	

**List of Elective papers:**

**Elective 1-Research based project**

**Elective 2- Microprocessor practicals**

**Elective 3-Microprocessor interfacing and applications**

**Elective 4-Astrophysics**

**Elective 5-Material science**

**Elective 6-Medical physics**