

**B.Sc. DEGREE COURSE IN ELECTRONICS AND  
COMMUNICATION SCIENCE**

**Revised Scheme of Examinations (w.e.f.2013-14)**

**FIRST SEMESTER**

S.No.	Subjects	Instructional Hrs.	Credits	Exam Hrs.	Max. Marks		
					Ext.Marks	Int.Marks	Total
1	Part I Tamil / Other languages – I	4	3	3	75	25	100
2	Part II English – I	4	3	3	75	25	100
3	Part III Core – 1 Basic Circuit Theory	6	4	3	75	25	100
4	Core – 2 Main Practical 1	6	4	3	60	40	100
5	Part III Allied – I Mathematics – 1	6	5	3	75	25	100
6	Part IV 1.(a) Not studied Tamil upto xii std., - shall take Tamil compromising of two courses (level VI std.,) (b) Studied Tamil upto xii std. – taken Non-Tamil under Part – I shall take advance Tamil comprising of two courses. (c) Others who do not come under a & b can choose non- major elective comprising of two courses.	2	2	3	75	25	100
7	Non Major Elective						
8	SOFT SKILLS	2	3	3	50	50	100

Total Instructional Hours = 30

Total Credits = 24

## SECOND SEMESTER

S.No.	Subjects	Instructional Hrs.	Credits	Exam Hrs.	Max. Marks		
					Ext.Marks	Int.Marks	Total
1	Part I Tamil / Other languages – II	4	3	3	75	25	100
2	Part II English – II	4	3	3	75	25	100
3	Part III Core – 3 Basic Electronics	6	4	3	75	25	100
4	Core – 4 Main Practical 2	6	4	3	60	40	100
5	Part III Allied - II Mathematics – II	6	5	3	75	25	100
6	Part IV 1.(a) Not studied Tamil upto xii std., - shall take Tamil comprising of two courses (level VI std.,) (b) Studied Tamil upto xii std. – taken Non-Tamil under Part – I shall take advance Tamil comprising of two courses. (c) Others who do not come under a & b can choose non-major elective comprising of two courses.	2	2	3	75	25	100
7	Non Major Elective						
8	SOFT SKILLS	2	3	3	50	50	100

Total Instructional Hours = 30

Total Credits = 24

### THIRD SEMESTER

S.No.	Subjects	Instructional Hrs.	Credits	Exam Hrs.	Max. Marks		
					Ext.Marks	Int.Marks	Total
1	Part III Foundation Course – 1 Electricity, Magnetism And Electromagnetism	4	3	3	75	25	100
2	Part III Foundation Course – 2 Numerical Methods Practical – Internal	4	3	3	50 30	10 10	60 40
3	Part III Core – 5 Amplifiers and Oscillators	5	4	3	75	25	100
4	Part III Core – 6 Main Practical – 3	6	4	3	60	40	100
	Part III Allied – III Paper - I - Basic Physics 1	5	3	3	75	25	100
5	Part III Allied – III Paper – II Basic Physics Practicals	3	Examinations will be held in IV Semester				
6	Part IV 2. Soft Skill – III	2	3	3	50	50	100
7	3. Environmental Studies	1	Examinations will be held in IV Semester				

Total Instructional Hours = 30 & Total Credits = 20

## FOURTH SEMESTER

S.No.	Subjects	Instructional Hrs.	Credits	Exam Hrs.	Max. Marks		
					Ext.Marks	Int.Marks	Total
1	Part III Foundation Course – 3 Principles of Communication	4	3	3	75	25	100
2	Part III Foundation Course – 4 Programming In 'C' & OOPS Concept	4	3	3	75	25	100
3	Part III Core – 7 Digital Electronics	5	4	3	75	25	100
4	Part III Core – 8 Main Practical – 4	6	4	3	60	40	100
5	Part III Allied – IV Paper – I Basic Physics – II	5	3	3	75	25	100
6	Part III Allied – IV Paper – II Basic Physics Practical	3	4	3	60	40	100
7	Part IV 2. Soft Skill – III	2	3	3	50	50	100
8	Environmental Studies	1	2	3	75	25	100

Total Instructional Hours = 30

Total Credits = 26

### FIFTH SEMESTER

S.No	Subjects	InstructionalHrs	Credits	Exam Hrs.	Max. Marks		
					Ext.Marks	Int.Marks	Total
1	Part III Core – 9 Microprocessor (Intel 8085)	6	4	3	75	25	100
2	Part III Core - 10 Antennas And Television Engineering	6	4	3	75	25	100
3	Part III Core – 11 Electrical And Electronics Instrumentation	6	4	3	75	25	100
4	Part III Elective – I	5	4	3	75	25	100
5	Part III Core - 12 Main Practical – 5	6	4	3	60	40	100
	Part IV Value Education	1	2	3	75	25	100

Total Instructional Hours = 30

Total Credits = 22

## SIXTH SEMESTER

S.No	Subjects	Instru ctional Hrs	Credits	Exam Hrs.	Max. Marks		
					Ext. Marks	Int. Marks	Total
1	Part III Core – 13 Microcontroller	6	4	3	75	25	100
2	Part III Core - 14 Advanced Electronics	6	4	3	75	25	100
3	Part III Core – 15 Computer Networks	6	4	3	75	25	100
4	Part III Elective – II	5	4	3	75	25	100
5	Part III Core - 16 Project	7	7	3	60	40	100
6	Part IV Extension Activities		1				

Total Instructional Hours = 30

Total Credits = 24

1. Theory of Robotics and Automation
2. Industrial Electronics
3. Microwave And Fiber Optic Communication Systems
4. Mobile Communication
5. Medical Electronics
6. Consumer Electronics

**Overall Credits = 140**