B.Sc. DEGREE COURSE IN ELECTRONICS AND COMMUNICATION SCIENCE

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

FIRST SEMESTER

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S.No.	Subjects	ion			.∎∕ax. N		
		Instructional rs.	Instruct rs. Credits Exam		Ext.Mar	Int.Mar	Total
1	Part I	4	3	3	75	25	100
	Tamil / Other languages – I						
2	Part II	4	3	3	75	25	100
	English – I						
3	Part III	6	4	3	75	25	100
	Core – 1						
	Basic Circuit Theory						
4	Core – 2	6	4	3	60	40	100
	Main Practical 1						
5	Part III	6	5	3	75	25	100
	Allied – I						
	Mathematics – 1						
6	Part IV	2	2	3	75	25	100
	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.	4					
7	Non Major Elective						
8	SOFT SKILLS	2	3	3	50	50	100

	SECOND SEMESTER	AlH							
S.No.	Subjects	ion			Max. N	Max. Magks			
		InstructionalH rs.	Credits	Exam Hrs	Ext.Mart Ext.Mart	Int.Mar	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 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. Non Major Elective	2	2	3	75	25	100		
8	SOFT SKILLS	2	3	3	50	50	100		
0	SOLI SKILLS	4	5	1.2	1.50	50	100		

SECOND SEMESTER

THIRD SEMESTER

Subjects	tion	Max. Marks				5	
	Instruc rs.	Credits	Exam Hrs.	Ext.Ma	Int.Mar	Total	
Part III	4	3	3	75	25	100	
Foundation Course – 1							
Electricity, Magnetism And Electromagnetism							
Part III	4	3	3	50	10	60	
Foundation Course – 2							
Numerical Methods							
Practical – Internal				30	10	40	
Part III	5	4	3	75	25	100	
Core – 5							
Amplifiers and Oscillators							
Part III	6	4	3	60	40	100	
Core – 6							
	5	3	3	75	25	100	
	3				eld in		
		IV	Sem	ester			
	-				1	1	
	2	3	3	50	50	100	
			<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. Environmental Studies		Examinations will be held in				eld in	
	Part III Foundation Course – 1 Electricity, Magnetism And Electromagnetism Part III Foundation Course – 2 Numerical Methods Practical – Internal Part III Core – 5 Amplifiers and Oscillators Part III	Part III Foundation Course – 1 Electricity, Magnetism And Electromagnetism Part III Foundation Course – 2 Numerical Methods Practical – Internal Part III Part III Part III Part III Core – 5 Amplifiers and Oscillators Part III Core – 6 Main Practical – 3 Part III Paper - I - Basic Physics 1 Part III Paper – II Basic Physics Practicals Part IV 2. Soft Skill – III	Part III43Foundation Course – 143Electricity, Magnetism And Electromagnetism43Part III43Foundation Course – 243Numerical Methods74Practical – Internal54Part III54Core – 554Amplifiers and Oscillators64Part III64Core – 664Main Practical – 37Part III53Allied – III53Part III3ExAllied – III1IVPaper – I Basic Physics Practicals1Part IV232. Soft Skill – III13. Environmental Studies1Environmental Studies1	Part III433Foundation Course – 1433Electricity, Magnetism And Electromagnetism433Part III433Foundation Course – 2433Numerical Methods7433Practical – Internal543Part III543Core – 5743Amplifiers and Oscillators64Part III533Core – 6643Main Practical – 3533Part III533Allied – III3ExaminPaper - I - Basic Physics 11V SeminaryPart IV2332. Soft Skill – III1Examin3. Environmental Studies1Examinary	Part III43375Foundation Course – 1Electricity, Magnetism And Electromagnetism43350Part III4335030Foundation Course – 243350Numerical Methods93030Part III54375Core – 554375Amplifiers and Oscillators64360Part III64360Core – 664360Main Practical – 353375Part III53375Allied – III53375Part III3Examinations wIV SemesterPaper – I - Basic Physics 13Examinations wPart III23350Part IV23350	Part III4337525Foundation Course – 1Electricity, Magnetism And Electromagnetism4337525Part III4335010Foundation Course – 24335010Numerical Methods93010Part III5437525Core – 53752525Amplifiers and Oscillators6436040Part III6436040Core – 66437525Allied – III5337525Part III5337525Allied – III91Examinations will be hIV SemesterPaper – I - Basic Physics 12335050Part IV23350502. Soft Skill – III1Examinations will be h1Examinations will be h	

FOURTH SEMESTER

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S.No.	Subjects	ion			<u>₿</u> ∕ax. N	A aarks	
		InstructionalH rs.	Credits	Exam Hrs.	Ext. Mart Ext. Mart	Int.Mar	Total
1	Part III	4	3	3	75	25	100
	Foundation Course – 3						
	Principles of Communication						
2	Part III	4	3	3	75	25	100
	Foundation Course – 4						
	Programming In 'C' & Oops Concept						
3	Part III	5	4	3	75	25	100
	Core – 7						
	Digital Electronics						
4	Part III	6	4	3	60	40	100
	Core – 8						
	Main Practical – 4	-					100
5	Part III	5	3	3	75	25	100
	Allied – IV						
6	Paper – I Basic Physics – II Part III	3	4	3	60	40	100
0	Allied – IV	3	4	3	00	40	100
	Paper – II Basic Physics Practical						
7	Part IV	2	3	3	50	50	100
/	2. Soft Skill – III	 ²	, , , , , , , , , , , , , , , , , , ,		50	50	100
8	Environmental Studies	1	2	3	75	25	100

FIFTH SEMESTER

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

SIXTH SEMESTER

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S.No	Subjects	l _n «	<u>تع</u>		Max. N	Marks	
		Instr uctio nalH rs	Credits	Exam Hrs.	Ext.Marks	Int.Marks	Total
1	Part III	6	4	3	75	25	100
	Core – 13 Microcontroller						
2	Part III	6	4	3	75	25	100
-	Core - 14	ľ	· ·	5	10		100
	Advanced Electronics						
3	Part III	6	4	3	75	25	100
	Core – 15						
	Computer Networks						
4	Part III	5	4	3	75	25	100
	Elective – II						
5	Part III	7	7	3	60	40	100
	Core - 16						
	Project						
6	Part IV		1				
	Extension Activities						

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