



NEHRU ARTS AND SCIENCE COLLEGE

(Autonomous)

Reaccredited by NAAC with 'A' Grade, Certified by ISO 9001:2008 & 14001:2004

Recognized by UGC & Affiliated to Bharathiar University

Nehru Gardens, Coimbatore-641 105

Scheme of Examination

(Applicable to the students admitted during the Academic year 2018-2019 onwards)

M. Sc., Electronics and Communication Systems

Semester	Course Code	Name of the Course	Ins.Hrs/ Week	Duration of Examination	Examination Marks			Credit
					CIA	ESE	Total	
I	18PGECC101	Paper I Linear Integrated Circuits	5	3	25	75	100	4
	18PGECC102	Paper II 8051 Microcontroller	5	3	25	75	100	4
	18PGECC103	Paper III Power Electronics and Control Systems	5	3	25	75	100	4
	18PGECE101 / 18PGECE102 /18PGECE103	Elective- I	5	3	25	75	100	4
	18PGECCQ101	Practical I General Electronics Practical	5	4	40	60	100	4
	18PGECCQ102	Practical II 8051 Microcontroller Practical	5	4	40	60	100	4
			30				600	24
II	18PGECC204	Paper IV PIC Microcontroller	5	3	25	75	100	4
	18PGECC205	Paper V Mobile Communication	5	3	25	75	100	4
	18PGECC206	Paper VI Signals and Systems	5	3	25	75	100	4
	18PGECE201 / 18PGECE202 / 18PGECE203	Elective -II	5	3	25	75	100	4
	18PGECCQ203	Practical III Electronics Communication Practical	5	4	40	60	100	4
	18PGECCQ204	Practical IV PIC Microcontroller Practical	5	4	40	60	100	4
			30				600	24

III	18PGECC307	Paper VII VLSI Design and VHDL Programming	5	3	25	75	100	4
	18PGECC308	Paper VIII Digital Signal Processing	5	3	25	75	100	4
	18PGECC309	Paper IX Computer Communication and Networks	5	3	25	75	100	4
	18PGECE301 / 18PGECE302 / 18PGECE303	Elective- III	5	3	25	75	100	4
	18PGECCQ305	Practical V Digital Signal Processing Practical	5	4	40	60	100	4
	18PGECCQ306	Practical VI VLSI Design Practical	5	4	40	60	100	4
			30				600	24
IV	18PGECE401 / 18PGECE402 / 18PGECE403	Elective - IV	5	3	25	75	100	4
	18PGECC410	Paper X ARM Core processor	4	3	20	55	75	3
	18PGECC411	Paper XI Data Communication Networks	4	3	20	55	75	3
	18PGECCV401	Project work & Viva Voce	17	-	-	200	200	8
			30				450	18
		TOTAL					2250	90
Advanced Learners Course - Self Study			Semester: I- III		Extra credit – 8 (2 / Paper / Sem)			8[@]

@- Not Included in Total Marks and CGPA Calculation

LIST OF ELECTIVE PAPERS:

Elective Papers	Course Code	Group	Name of the Course
Elective- I	18PGECE101	A	WEB Technology
	18PGECE102	B	Satellite and Network Communication
	18PGECE103	C	Principles of Acoustics and Sound Engineering
Elective- II	18PGECE201	A	Relational Data Base Management System
	18PGECE202	B	Wireless Sensors Networks
	18PGECE203	C	Applied Electronics for Electronic Media
Elective - III	18PGECE301	A	LINUX and Shell Programming
	18PGECE302	B	Advanced Network Techniques
	18PGECE303	C	Advanced Digital Image Processing
Elective- IV	18PGECEQ401	A	RDBMS and LINUX Practical
	18PGECE402	B	RF System Design
	18PGECEQ403	C	Electronics Media Practical

List of Advanced Learners Course

S.No.	Semester	Course Code	Course Title
1	I - III	18PGECCSS01	Sensors and Transducers
2		18PGECCSS02	MEMS and its applications
3		18PGECCSS03	Advanced Signals and Systems
4		18PGECCSS04	Digital System Design using Verilog
5		18PGECCSS05	Advanced Digital Image Processing

Chairman
Board of Studies in Electronics
Nehru Arts and Science College
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