

GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

I Year

I Semester

S. No.	Subject Codes	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14199101	English – I	4	-	-	3	30	70	100
2.	14199102	Mathematics – I	4	-	-	3	30	70	100
3.	14199103	Fundamentals of Computer Programming	4	-	-	3	30	70	100
4.	14199104	Applied Mechanics	4	-	-	3	30	70	100
5.	14199105	Basic Engineering Drawing	-	-	4	3	30	70	100
6.	14199191	Professional Ethics and Human Values	4	-	-	-	-	-	-
7.	14199111	English Communication Lab-I	-	3	-	2	50	50	100
8.	14199112	Computer Programming fundamentals Lab	-	3	-	2	50	50	100
9.	14199181	Engineering workshop and IT workshop	-	3	-	2	50	50	100
Total			20	9	4	21	300	500	800

T- THEORY P – PRACTICAL D- DRAWING C – CREDITS Int. – INTERNAL Ext. - EXTERNAL

Dr.P.V.Sridevi 4/7/15

Dr.K.V.Sridhar

Ms.P.Soundarya Mala

Dr.K.Babulu

Dr.Narayanam Balaji

G.V.Vinod

Dr.M.B.Srinivas

Mrs.K.Jyothi

Dr.M.Vara Prasad Rao

GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

I Year

II Semester

S. No.	Subject Codes	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14199201	English – II	4	-	-	3	30	70	100
2.	14199203	Mathematics –II	4	-	-	3	30	70	100
3.	14199202	Mathematics – III	4	-	-	3	30	70	100
4.	14199205	Advanced Computer Programming	4	-	-	3	30	70	100
5.	14199204	Engineering Physics	4	-	-	3	30	70	100
6.	14199206	Environmental Studies	4	-	-	3	30	70	100
7.	14199211	English Communication Lab-II	-	3	-	2	50	50	100
8.	14199213	Advanced Computer Programming Lab	-	3	-	2	50	50	100
9.	14199212	Engineering Physics Lab	-	3	-	2	50	50	100
Total			24	9		24	330	570	900

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P.V. Sridevi
Dr.P.V.Sridevi 4/7/15

K.V. Sridhar
Dr.K.V.Sridhar

P. Soundarya Mala
Ms.P.Soundarya Mala

B. Babulu
Dr.K.Babulu

N. Narayanam Balaji
Dr.Narayanam Balaji

G.V. Vinod
G.V.Vinod

M.B. Srinivas
Dr.M.B.Srinivas

K. Jyothi
Mrs.K.Jyothi

M. Vara Prasad Rao
Dr.M.Vara Prasad Rao

GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering II Year I Semester

S. No.	Subject Codes	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14149301	Managerial Economics & Financial Analysis	4	-	-	3	30	70	100
2.	14142302	Electrical Technology	4	-	-	3	30	70	100
3.	14142303	Network Analysis	4	-	-	3	30	70	100
4.	14140304	Electronic Devices and Circuits	4	-	-	3	30	70	100
5.	14140305	Switching Theory and Logic Design	4	-	-	3	30	70	100
6.	14140306	Signals & Systems	4	-	-	3	30	70	100
7.	14142311	Networks & Electrical Technology Lab	-	3	-	2	50	50	100
8.	14140312	Electronic Devices and Circuits Lab	-	3	-	2	50	50	100
9.	14149397	Soft skills - I	4	-	-	-	-	-	-
Total			28	6		22	280	520	800

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Dr.M.B.Srinivas
Mrs.K.Jyothi
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GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

II

Year

II Semester

S. No.	Subject codes	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14142402	Control Systems	4	-	-	3	30	70	100
2.	14149401	Random Variable and Stochastic Process	4	-	-	3	30	70	100
3.	14140403	Electronic Circuits Analysis	4	-	-	3	30	70	100
4.	14140404	Digital System Design & Digital IC Applications	4	-	-	3	30	70	100
5.	14140405	EM Waves and Transmission Lines	4	-	-	3	30	70	100
6.	14140406	Pulse and Digital Circuits	4	-	-	3	30	70	100
7.	14140411	Electronic Circuits Analysis Lab	-	3	-	2	50	50	100
8.	14140412	Pulse & Digital Circuits Lab	-	3	-	2	50	50	100
Total			24	6		22	280	520	800

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Dr.K.Babulu
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Dr.Narayanam Balaji
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Dr.M.B.Srinivas
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Mrs.K.Jyothi
Mrs.K.Jyothi

Dr.M.Vara Prasad Rao
Dr.M.Vara Prasad Rao

GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

III

Year

I Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination		
			T	P	D		Int.	Ext.	Total
1.	14149501	Management Science	4	-	-	3	30	70	100
2.	14140502	Computer Architecture & Organization	4	-	-	3	30	70	100
3.	14140503	Linear IC Applications	4	-	-	3	30	70	100
4.	14140504	Antennas and Wave Propagation	4	-	-	3	30	70	100
5.	14140505	Analog Communications	4	-	-	3	30	70	100
6.	14140511	Digital System Design & DICA Lab	-	3	-	2	50	50	100
7.	14140512	Linear IC Applications Lab	-	3	-	2	50	50	100
8.	14140513	Analog Communications Lab	-	3	-	2	50	50	100
9.	14149596	Soft skills - II	4	-	-	-	-	-	-
10.	14140521	Mini Project	-	-	-	2	100	-	100
Total			24	9		23	400	500	900

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Dr.P.V.Sridevi
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Dr.M.B.Srinivas
Mrs.K.Jyothi
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GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

III

Year

II Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14145601	Computer Networks	4	-	-	3	30	70	100
2.	14140602	Microprocessors and Microcontrollers	4	-	-	3	30	70	100
3.	14140603	Digital Signal Processing	4	-	-	3	30	70	100
4.	14140604	Digital Communication	4	-	-	3	30	70	100
5.		Open Elective	4	-	-	3	30	70	100
6.	14140611	Microprocessors and Microcontrollers Lab	-	3	-	2	50	50	100
7.	14140612	Digital Communications Lab	-	3	-	2	50	50	100
8.	14140613	Digital Signal Processing Lab	-	3	-	2	50	50	100
9.	14140681	Seminar	4	-	-	1	50	-	50
Total			24	9		22	350	500	850

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P. Soundarya Mala
Ms.P.Soundarya Mala

Babulu

Dr.K.Babulu

Narayanan Balaji
Dr.Narayanam Balaji

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M.B. Srinivas

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GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

IV

Year

I Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14140701	VLSI Design	4	-	-	3	30	70	100
2.	14140702	Microwave Engineering	4	-	-	3	30	70	100
3.	14140703	Optical Communication	4	-	-	3	30	70	100
4.	14140704	Cellular and Mobile Communication	4	-	-	3	30	70	100
5.		Elective- I	4	-	-	3	30	70	100
6.		Elective- II	4	-	-	3	30	70	100
7.	14140711	VLSI Lab	-	3	-	2	50	50	100
8.	14140712	Microwave & Optical Communication Lab	-	3	-	2	50	50	100
9.	14140731	Summer Internship	-	-	-	3	100	-	100
10.	14149797	IPR & Patents	4	-	-	-	-	-	-
		Total	28	6		25	380	520	900

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Dr.P.V.Sridevi 4/7/15
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G.V.Vinod

Dr.M.B.Srinivas
Mrs.K.Jyothi
Dr.M.Vara Prudhira Rao

GR-14 COURSE STRUCTURE

B. Tech. ELECTRONICS & COMMUNICATION Engineering

IV Year

II Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	14140801	Digital Image Processing	4	-	-	3	30	70	100
2.	14140802	Electronic Measurements and Instrumentation	4	-	-	3	30	70	100
3.		Elective- III	4	-	-	3	30	70	100
4.		Elective- IV	4	-	-	3	30	70	100
5.	14140841	Project & Seminar	-	-	-	9	60	140	200
Total			16	9		21	180	420	600

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Ms.P.Soundarya Mala

Babulu
Dr.K.Babulu

Narayanan Balaji
Dr.Narayanan Balaji

G.V. Vinod
G.V.Vinod

M.B. Srinivas
Dr.M.B.Srinivas

K. Jyothi
Mrs.K.Jyothi

M. Vara Prasad Rao
Dr.M.Vara Prasad Rao

OPEN ELECTIVES:

- 1) Micro Electronic Mechanical Systems-14143665a
- 2) OOPS through Java- 14145665b
- 3) Mechatronics-14143665c
- 4) Power Electronics-14142665d

Elective- I

1. Telecommunication Switching Systems and Networks-14140765a
2. Network Security And Cryptography -14145765b
3. DSP Processors and Architectures-14140765c
4. Analog IC Design-14140765d

Elective- II

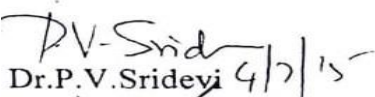
1. Radar Systems-14140766a
2. Digital IC Design-14140766b
3. Speech Processing-14140766c
4. Artificial Neural Network & Fuzzy Logic-14145766d

Elective- III

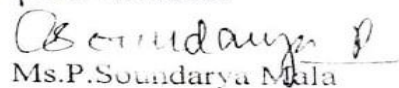
1. Satellite Communication-14140863a
2. Embedded Systems-14140863b
3. Mixed Signal Design-14140863c
4. RF Circuits Design-14140863d

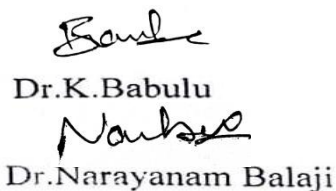
Elective- IV

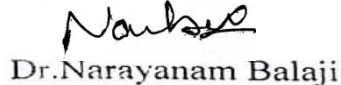
1. Wireless Sensors and Networks-14140864a
2. Low Power VLSI Design-14140864b
3. EMI/EMC-14140864c
4. Biomedical Instrumentation-14140864d

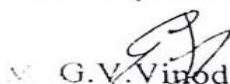

Dr.P.V.Sridevi 4/7/15


Dr.K.V.Sridhar

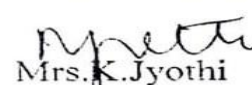

Ms.P.Soundarya Mala

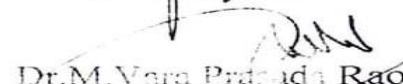

Dr.K.Babulu


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Dr.M.Vara Prasad Rao