

UNIT – II

Travel and Transport (Learning English)

The Trailblazers - Jagadis Chandra Bose(Masterminds)

Grammar: prepositions; word plurals; sentence completion

Vocabulary: Synonyms

Analytical Writing: Drafting E-Mails; Letter writing (Formal & Informal)

UNIT - III

Humour (Learning English)

The Trailblazers – Prafulla Chandra Ray (Masterminds)

Grammar: Active & Passive Voices

Vocabulary: Pre-fixes & Suffixes

Analytical Writing: Note-making

UNIT - IV

Health and Medicine (Learning English)

The Trailblazers – Srinivasa Ramanujam (Masterminds)

Grammar: Tenses

Vocabulary: Deriving words

Analytical Writing: Abstract writing/Synopsis writing

UNIT - V

The World of Figures and Physics – Chandra Sekhara Venkata Raman (Masterminds)

Grammar: Articles

Vocabulary: One-Word substitutes

Analytical Writing: Essay writing; Dialogue writing (Formal & Informal)

TEXT BOOKS

1 “Learning English”, Orient Longman Private Limited. 2008 JNTU edition

2 Enakshi Chatterjee, “Masterminds”, Orient Longman Private Limited. 2002 (Reprint)

REFERENCE BOOKS

1. Andrea J Rutherford, “Basic Communication Skills for Technology”, Pearson Education, New Delhi, 1st edition, 2009

2. Murphy, “English Grammar with CD”, Cambridge University Press, New Delhi, 2004

3. Rizvi & M. Ashraf, “ Effective Technical Communication”, Tata McGraw Hill, New Delhi, 2008.

4. Blum Rosen, “Word Power”, Cambridge University Press, New Delhi, 2009.

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	END Exams
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

Detailed Lesson Plan

Detailed Lesson Plan						
S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT-I						
1	Introductory Period	04-07-16	04-07-16	2	1	1,2,3,5,7
2	Parts of speech	05-07-16	05-07-16	2	1,3	
3	Parts of speech	08-07-16	08-07-16	2	1,3	
4	Antonyms	09-07-16	09-07-16	2	1,3	
5	Unscrambling words in a sentence / Unjumbling the sentences into a paragraph	11-07-16	11-07-16	2	1,9	
6	Unscrambling words in a sentence / Unjumbling the sentences into a paragraph	12-07-16	12-07-16	2	1,9	
7	Types of sentences	15-07-16	15-07-16	2	1,9	
8	Tutorial-Parts of Speech/Antonyms	16-07-16	16-07-16	3	3,9	
9	Paragraph Writing	18-07-16	18-07-16	2	1,9	
10	Paragraph Writing	19-07-16	19-07-16	2	1,9	
11	Astronomy	22-07-16	22-07-16	2	1,9	
12	Astronomy	23-07-16	23-07-16	2	1,9	
13	Tutorial: Astronomy/ Paragraph Writing	25-07-16	25-07-16	3	3,9	
UNIT-II						
14	J.C. Bose	26-07-16	26-07-16	2	1,3	1,2,3,5,7
15	J.C. Bose	29-07-16	29-07-16	2	1,9	
16	J.C. Bose	30-07-16	30-07-16			
17	Prepositions	01-08-16	01-08-16	3	1,9	
18	Prepositions	02-08-16	02-08-16	3	1,9	
19	Tutorial: J.C. Bose/prepositions	05-08-16	05-08-16	3	3,9	
20	Word plurals	06-08-16	06-08-16	2	1,9	
21	Word plurals	08-08-16	08-08-16	2	1,9	
22	Sentences completion	09-08-16	09-08-16	2	1,3	
23	Sentences completion	12-08-16	12-08-16	2	1,3	
24	Synonyms	13-08-16	13-08-16	3	1,3	
25	Travel and transport	16-08-16	16-08-16	2	1,9	
26	Travel and transport	19-08-16	19-08-16	2	1,9	
27	Travel and transport	20-08-16	20-08-16			
28	Drafting E-mails	22-08-16	22-08-16	3	1,3	
29	Drafting E-mails	23-08-16	23-08-16	3	1,3	
30	Tutorial: Travel and transport/E-mail	26-08-16	26-08-16	3	3,9	
31	Letter writing	27-08-16	27-08-16	3	1,3	

32	Letter writing	29-08-16	29-08-16	3	1,3	5
33	Letter writing	30-08-16	30-08-16			
34	MID - I	01-09-16 To 03-09-2016				
35	P.C.Ray	06-09-16	06-09-16	2	1,3	1,2,3,5,7
36	P.C.Ray	09-09-16	09-09-16	2	1,3	
37	Prefixes and suffixes	10-09-16	10-09-16	2	1,3	
38	Tutorial: P.C Ray/ Prefixes& suffixes	13-09-16	13-09-16	3	3,9	
39	Humour	16-09-16	16-09-16	2	1,9	
40	Humour	17-09-16	17-09-16	2	1,9	
41	Tutorial: Humour	19-09-16	19-09-16	3	3,9	
42	Active&passive voice	20-09-16	20-09-16	3	1,3	
43	Active&passive voice	23-09-16	23-09-16	3	1,3	
44	Note making	24-09-16	24-09-16	2	1,3	
45	Note making	26-09-16	26-09-16	2	1,3	
46	Tutorial: Voice/Note making	27-09-16	27-09-16	3	3,9	
47	Health&Medicine	30-09-16	30-09-16	2	1,9	
48	Health&Medicine	01-10-16	01-10-16	2	1,3	1,2,3,5,7
49	Tenses	03-10-16	03-10-16	3	1,3	
50	Tenses	04-10-16	04-10-16	3	1,3	
51	Tutorial: Health&Medicine/Tenses	07-10-16	07-10-16	3	1,3	
52	Abstract writing	08-10-16	08-10-16	3	3,9	
53	Srinivasa Ramanujan	17-10-16	17-10-16	3	1,3	
54	Srinivasa Ramanujan	18-10-16	18-10-16	3	1,3	
55	Tutorial: Srinivasa Ramanujan/Abstract writing	21-10-16	21-10-16	2	1,9	
56	Deriving words	22-10-16	22-10-16	2	1,9	
57	Deriving words	24-10-16	24-10-16	3	3,9	
58	Articles	25-10-16	25-10-16	3	1,3	
59	Articles	28-10-16	28-10-16	3	1,9	
60	C.V.Raman	29-10-16	29-10-16	3	1,3	
61	C.V.Raman	31-10-16	31-10-16	3	1,3	
62	Tutorial: C.V.Raman/Articles	01-11-16	01-11-16	2	1,9	
63	Essay writing	04-11-16	04-11-16	2	1,9	
64	Dialogue writing	05-11-16	05-11-16	3	3,9	
65	Dialogue writing	07-11-16	07-11-16	3	1,3	
66	One word substitutes	08-11-16	08-11-16	3	1,3	
67	One word substitutes	11-11-16	11-11-16	3	1,3	
68	Tutorial: Dialogue/ Essay writing	12-11-16	12-11-16	3	3,9	
	MID - II	14-11-2016 To 16-11-2016				

	Instructor	Course Coordinator	Module Coordinator	HOD
Name	B SAGAR	Dr.B.Samrajya Lakshmi	Dr.B.Samrajya Lakshmi	Dr.A.Rami Reddy
Sign with Date				



LakireddyBali Reddy College of Engineering College

L.B.Reddy Nagar, Mylavaram , Krishna District, A.P
DEPARTMENT OF INFORMATION TECHNOLOGY

LESSON PLAN

Subject : **APPLIED MATHEMATICS I- S132**

Academic Year : **2016-17**

Semester : **I**

Date: **04/7/16 to 16/11/16**

Year : **I**

Section :

Detailed Lesson Plan

S.NO	TOPIC TO BE COVERED	Date		TLP	DM	AM
		Tentative	Actual			
UNIT – I DIFFERENTIAL EQUATIONS OF FIRST ORDER AND FIRST DEGREE						
1	Course Objective, introduction, their applications	05/07/16		2,3	1	
2	Differential equations of first order and first degree	06/7/16		2,3	1	
3	Separation of variables	07/7/16		2,3	1	
4	Homogeneous differential equations	07/7/16		2,3	1	
5	Exact differential equations	09/7/16		2,3	1	
6	Non Exact differential equations,Type I	09/7/16		2,3	1	
7	Non Exact differential equations, Type II	12/7/16		2,3	1	
8	Non Exact differential equations,Type III	13/7/16		2,3	1	
9	Non Exact differential equations,Type IV	14/7/16		3	1	
10	Linear differential equations	14/7/16		2,3	1	
11	Linear differential equations	16/7/16		2,3	1	
12	Bernoulli’s differential equations	16/7/16		2,3	1	
13	Non-linear differential equations	19/7/16		2,3	1	
14	Orthogonal Trajectories in Cartesian form	20/7/16		2,3	1	
15	Orthogonal Trajectories in Cartesian form	21/7/16		2,3	1	
16	TUTORIAL I	21/7/16		3	1,9	
17	Orthogonal Trajectories in Polar form	23/7/16		2,3	1	
18	Orthogonal Trajectories in Polar form	23/7/16		2,3	1	
UNIT II : HIGHER ORDER DIFFERENTIAL EQUATIONS						
19	ASSIGNMENT UNIT I	26/7/16		3		
20	QUIZ UNIT I	27/7/16		3		
21	Homogeneous Linear Differential equations	28/7/16		2,3	1	
22	TUTORIAL II	28/7/16		3	1,9	
23	Non Homogeneous and R.H.S of the form e^{ax}	30/7/16		2,3	1	
24	Non Homogeneous and R.H.S of the form e^{ax}	30/7/16		2,3	1	
25	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$	02/8/16		2,3	1	
26	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$	03/8/16		2,3	1	
27	TUTORIAL III	04/8/16		3	1,9	
28	Non Homogeneous and R.H.S of the form polynomial in x	04/8/16		2,3	1	
29	Non Homogeneous and R.H.S of the form polynomial in x	05/8/16		2,3	1	
30	Non Homogeneous and R.H.S of the form $e^{ax}v(x)$	06/8/16		2,3	1	
31	Non Homogeneous and R.H.S of the form $e^{ax}v(x)$	09/8/16		2,3	1	
32	Non Homogeneous and R.H.S of the term $xv(x)$	10/8/16		2,3	1	
33	Non Homogeneous and R.H.S of the term $x^K v(x)$	11/8/16		2,3	1	
34	TUTORIAL IV	11/8/16		3	1,9	
35	Method of Variation of Parameters	16/8/16		2,3	1	

36	Method of Variation of Parameters	17/8/16		2,3	1	
39	Cauchy's equation	18/8/16		2,3	1	
40	Cauchy's equation	18/8/16		2,3	1	
41	TUTORIAL V	20/8/16		3	1,9	
42	Legendre's Equation	20/8/16		2,3	1	
43	Legendre's Equation	23/8/16		2,3	1	
44	Applications of Linear differential equations	24/8/16		2,3	1	
45	Applications of Linear differential equations	27/8/16		2,3	1	
46	Applications of Linear differential equations	27/8/16		2,3	1	
47	Applications of Linear differential equations	30/8/16		2,3	1	
48	ASSIGNMENT UNIT II	30/8/16		3	1	
49	QUIZ UNIT II	31/8/16		3	1	
50	I MID EXAM	01/9/16				
51	I MID EXAM	01/9/16				
52	I MID EXAM	03/9/16				
UNIT III : FUNCTIONS OF SEVERAL VARIABLE						
53	Introduction to Mean Value theorems	06/9/16		2,3	1	
54	Generalized Mean Value Theorem	07/9/16		2,3	1	
55	Taylor's series	08/9/16		2,3	1	
56	Taylor's series	08/9/16		2,3	1	
57	Maclaurin's series	09/9/16		2,3	1	
58	Functional of Several Variables	13/9/16		2,3	1	
59	Jacobians	14/9/16		2,3	1	
60	TUTORIAL VI	15/9/16		3	1,9	
61	Jacobians	15/9/16		2,3	1	
62	Functional Dependence	17/9/16		2,3	1	
63	Maxima and Minima of functions of two variables	17/9/16		2,3	1	
64	Maxima and Minima of functions of two variables	20/9/16		2,3	1	
65	Lagrange's Multiplier Method	21/9/16		2,3	1	
66	TUTORIAL VII	22/9/16		3	1,9	
67	Lagrange's Multiplier Method	22/9/16		2,3	1	
68	Introduction to Partial Differential Equations	24/9/16		2,3	1	
69	Formation of P.D.E. by eliminating arbitrary constants	24/9/16		2,3	1	
70	Formation of P.D.E. by eliminating arbitrary functions	27/9/16		2,3	1	
71	Formation of P.D.E. by eliminating arbitrary functions	28/9/16		2,3	1	
72	Solutions of first order linear equations	29/9/16		2,3	1	
73	Lagrangian method	29/9/16		2,3	1	
74	ASSIGNMENT UNIT III	01/10/16		3	1	
75	QUIZ UNIT III	01/10/16		3	1	
UNIT IV MATICES AND LINEAR SYSTEM OF EQUATIONS						
76	Matrices Introduction and definitions	04/10/16		2,3	1	
77	Rank of a matrix, Problems	05/10/16		2,3	1	
78	TUTORIAL VIII	06/10/16		3	1,9	
79	Echelon Form	06/10/16		2,3	1	
80	Normal form	18/10/16		2,3	1	
81	Normal form through PAQ	19/10/16		2,3	1	
82	Solutions of linear homogeneous equations	20/10/16		2,3	1	
83	Solutions of linear non-homogeneous equations	20/10/16		2,3	1	
84	TUTORIAL IX	22/10/16		3	1,9	

85	Gauss Elimination Method	22/10/16		2,3	1	
86	Gauss Jordan Method	25/10/16		2,3	1	
87	Gauss Jordan Method	26/10/16		2,3	1	
88	Consistency and Inconsistency of equations	27/10/16		2,3	1	
89	System of Homogeneous equations	27/10/16		2,3	1	
90	TUTORIAL X	29/10/16		3	1,9	
91	Jacobi Method	29/10/16		2,3	1	
92	Jacobi Method	01/11/16		2,3	1	
93	Gauss Seidel Method	01/11/16		2,3	1	
94	ASSIGNMENT UNIT IV	02/11/16		3		
95	QUIZ UNIT IV	03/11/16		3		
UNIT V EIGEN VALUES AND EIGEN VECTORS						
96	Introduction to Eigen values and Eigen vectors	03/11/16		2,3	1	
97	Eigen values and Eigen vectors	05/11/16		2,3	1	
98	Problems to find Eigen vectors	05/11/16		2,3	1	
99	Problems to find Eigen vectors	08/11/16		2,3	1	
100	Properties	09/11/16		2,3	1	
101	Cayley Hamilton Theorem	10/11/16		2,3	1	
102	Inverse and powers of a matrix by using Cayley Hamilton Theorem	10/11/16		2,3	1	
103	ASSIGNMENT UNIT V	12/11/16		2,3	1	
104	QUIZ UNIT V	12/11/16		3		
105	II MID EXAM	15/11/16				
106	II MID EXAM	16/11/16				

Signature of faculty
(YPCS ANIL KUMAR)

Signature of Course Coordinator

Signature of HOD
(Dr.A.RAMI REDDY)

S.No.	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
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7	Seminar	Mini Projects	END Exams
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	



**LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)**

L.B.Reddy Nagar, Mylavaram -521 230, Krishna Dist., A.P.

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN

COURSE : B.Tech, (I-Sem.,) – Section. B –R14-2016-Admitted Batch
A.Y : 2016-17
BRANCH : INFORMATION TECHNOLOGY
SUBJECT : ENGINEERING CHEMISTRY (Code: S232)
FACULTY : Mr. S.VIJAYDASARADHA

S.No.	Tentative Date	Topics to be covered	No. of Classes	Actual Date	Content Delivery Method
UNIT-I : WATER TECHNOLOGY					
1.	04-07-16	Orientation class-1	1		DM-1
2.	05-07-16	Orientation class-2	1		DM-1
3.	08-07-16	Orientation class-3	1		DM-1
4.	08-07-16	Introduction to chapters of the Engg.Chemistry	1		DM-1
5.	11-07-16	Sources of water & quality, Concept of hardness	1		DM-1
6.	12-07-16	Types Hardness, Units of hardness - inter-conversions	1		DM-1
7.	13-07-16	Hardness problems	1		DM-1
8.	15-07-16	Tutorial-1	1		DM-2
9.	15-07-16	Scale and Sludge formation	1		DM-1
10.	18-07-16	caustic embrittlement	1		DM-1
11.	19-07-16	Priming and foaming	1		DM-1
12.	20-07-16	Boiler corrosion	1		DM-1
13.	22-07-16	Tutorial-2	1		DM-2
14.	22-07-16	L.S process, principle and equations	1		DM-1
15.	25-07-16	Cold & hot lime soda process	1		DM-1
16.	26-07-16	Zeolite process, advantages and demerits	1		DM-1
17.	27-07-16	Ion Exchange process, advantages and demerits	1		DM-1
18.	29-07-16	Internal treatment of water	1		DM-1
19.	29-07-16	Desalination Electro dialysis	1		DM-1
20.	01-08-16	Reverse osmosis	1		DM-1
21.	02-08-16	Assignment	1		DM-4

UNIT-II : FUEL TECHNOLOGY					
22.	03-08-16	S,L,G fuels merit & demerits	1		DM-1
23.	05-08-16	G.C.V. Definition and L.C.V Definition	1		DM-1
24.	05-08-16	Coal its origin types	1		DM-1
25.	08-08-16	Proximate analysis with significance	1		DM-1
26.	09-08-16	Ultimate analysis with significance	1		DM-1
27.	10-08-16	Tutorial-1	1		DM-2
28.	12-08-16	Refining of petroleum	1		DM-1
29.	12-08-16	cracking	1		DM-1
30.	16-08-16	Fixed bed cracking methods	1		DM-1
31.	17-08-16	moving bed cracking methods	1		DM-1
32.	19-08-16	Fischer Tropshs process	1		DM-1
33.	19-08-16	Bergius process	1		DM-1
34.	22-08-16	Tutorial-2	1		DM-2
35.	23-08-16	Working of I.C & C.I engines	1		DM-1
36.	24-08-16	Natural gas, C.N.G .	1		DM-1
37.	26-08-16	analysis of flue gases	1		DM-1
38.	26-08-16	Assignment	1		DM-4
39.	29-08-16	Instructions for mid exam & revision	1		DM-1
40.	30-08-16	Revision	1		DM-1
41.	31-08-16	Revision	1		DM-1
42.	01-09-16	I Mid Examination	1		DM-1
43.	02-09-16	I Mid Examination	1		DM-1
44.	03-09-16	I Mid Examination	1		DM-1
UNIT-III : CORROSION					
45.	06-09-16	Corrosion, definition, examples Dry corrosion & types.	1		DM-1
46.	07-09-16	Wet corrosion. mechanism	1		DM-1
47	09-09-16	Galvanic corrosion. Passivity	1		DM-1

48	09-09-16	Tutorial-1	1		DM-2
49	13-09-16	Galvanic series, significance.	1		DM-1
50	14-09-16	Concentration corrosion	1		DM-1
51	16-09-16	Tutorial-2	1		DM-2
52	16-09-16	Water line corrosion, Inter granular	1		DM-1
53	19-09-16	stress corrosion ,soil corrosion	1		DM-1
54	20-09-16	Factors influencing corrosion	1		DM-1
55	21-09-16	Factors influencing corrosion	1		DM-1
56	23-09-16	Corrosion control	1		DM-1
57	23-09-16	Corrosion control	1		DM-1
58	26-09-16	Corrosion control	1		DM-1
59	27-09-16	Tutorial-3	1		DM-2
60	28-09-16	Assignment	1		DM-4
UNIT-IV :Polymer science and Technology					
61	30-09-16	Types of polymers	1		DM-1
62	30-09-16	P.V.C, Teflon,	1		DM-1
63	03-10-16	BAKE LITE, PMMA	1		DM-1
64	04-10-16	Tutorial-1	1		DM-2
65	05-10-16	Conducting polymers	1		DM-1
66	07-10-16	Processing of natural rubber	1		DM-1
67	07-10-16	BUNA-S	1		DM-1
68	17-10-16	BUNA-N, Thiokal	1		DM-1
69	18-10-16	Polyester	1		DM-1
70	19-10-16	F.R.P	1		DM-1
71	21-10-16	Tutorial-2	1		DM-2
72	21-10-16	Assignment	1		DM-4
UNIT-V:Green chemistry and liquid crystals					
73	24-10-16	Goals of green chemistry	1		DM-1

74	25-10-16	Alternative starting materials	1		DM-1
75	26-10-16	Alternative reagents	1		DM-1
76	28-10-16	Alternative reaction conditions & final products	1		DM-1
77	28-10-16	Alternative final products and applications of green chemistry.	1		DM-1
78	31-10-16	Tutorial-1	1		DM-2
79	01-11-16	Introduction to liquid crystals	1		DM-1
80	02-11-16	Liquid crystals	1		DM-1
81	04-11-16	Classification of liquid crystals	1		DM-1
82	04-11-16	Classification of liquid crystals	1		DM-1
83	07-11-16	Classification of liquid crystals	1		DM-1
84	08-11-16	Tutorial-2	1		DM-2
85	09-11-16	Applications of Liquid crystals	1		DM-1
86	11-11-16	Assignment	1		DM-4
87	11-11-16	Instructions for final exam	1		
		Total Classes	84		
		Total Number of Classes Required to complete the Syllabus			
		Total Number of Classes Taken			

DELIVERY METHODS			
DM1	Lecture interspersed with discussions /BB	DM4	Assignment/Test
DM2	Tutorial	DM5	Demonstration (laboratory, field visit)
DM3	Lecture with a quiz	DM6	Presentations/PPT
Signature			
Name	Mr.S.Vijay dasaradha	Dr. V.Parvathi	Prof. A. Rami Reddy
	Subject Teacher	Course Coordinator	HOD



LESSON PLAN

Course Name : S170 - Computer Programming
Programme : B.Tech

SEM: I
Department: IT

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
UNIT-I:ALGORITHMS, FLOWCHARTS, BASIC PROGRAMMING CONSTRUCTS					
1.	4.07.2016	Introduction		1	DM1
2.	5.07.2016	Introduction to computers		1	DM1
3.	5.07.2016	Types and Generation of Computers		1	DM1
4.	7.07.2016	Software and Hardware		1	DM1
5.	9.07.2016	Basic Mathematical Formula		1	DM1
6.	11.07.2016	Basic Mathematical Formula		1	DM1
7.	12.07.2016	Operating system, Compiler and Interpreter		1	DM1
8.	12.07.2016	Fundamentals of computer		1	DM1
9.	14.07.2016	Introduction to Programming		1	DM1
10.	16.07.2016	Algorithm/pseudo code		1	DM1
11.	18.07.2016	Flow charts, Examples		1	DM1
12.	19.07.2016	Examples on Algorithm/pseudo code.		1	DM1/DM5
13.	19.07.2016	Examples on Flow charts.		1	DM1
14.	21.07.2016	Introduction to c language		1	DM1
15.	25.07.2016	C advantages , C tokens		1	DM1
16.	26.07.2016	Constants, keywords		1	DM1
17.	26.07.2016	TUTORIAL /QUIZ/ASSIGNMENT- 1		1	DM2/DM3/DM4
18.	28.07.2016	Identifiers, variables		1	DM1
19.	30.07.2016	Structure of a c program, Input and output statements,		1	DM1
20.	01.08.2016	Basic data types and sizes, variable declaration & initialization.		1	DM1
21.	02.08.2016	Arithmetic, relational and logical operators.		1	DM1
22.	02.08.2016	Increment/decrement, assignment and conditional operators		1	DM1
23.	04.08.2016	Bitwise operators, conditional expressions, order of evaluation		1	DM1
24.	06.08.2016	Type conversion, Examples		1	DM5
25.	08.08.2016	Decision making with simple if, If else and nested if else statements.		1	DM1
26.	09.08.2016	Else if ladder, switch statement		1	DM1
27.	09.08.2016	Programs on IF constructs		1	DM1
28.	29.08.2016	TUTORIAL /QUIZ/ASSIGNMENT- 2		1	DM2/DM3/DM4
29.	29.08.2016	while, do- while loops		1	DM1

30.	30.08.2016	For statements, break & continue statements		1	DM1
31.	30.08.2016	goto and labels		1	DM1
32.	01.09.2016	exercises Programming examples		1	DM5
UNIT – II ARRAYS , STRINGS					
33.	03.09.2016	Arrays definition, declaration and examples		1	DM1
34.	03.09.2016	Accessing elements, storing elements.		1	DM1
35.	06.09.2016	Two- dimensional arrays, Accessing element		1	DM1
36.	06.09.2016	Multi-dimensional arrays, applications of arrays.		1	DM1
37.	08.09.2016	Example Programs		1	DM5
38.	13.09.2016	Character arrays – Strings, Accessing		1	DM1
39.	13.09.2016	Programs on String accessing, operation		1	DM1
40.	13.09.2016	TUTORIAL /QUIZ/ASSIGNMENT- 3		1	DM2/DM3/DM4
I – MID EXAMINATIONS					
UNIT- III POINTERS , FUNCTIONS					
41.	19.09.2016	Pointers: concepts, initialization of pointer variables		1	DM1
42.	20.09.2016	Pointers and Arrays, Strings.		1	DM1
43.	20.09.2016	Pointers to pointers, Examples		1	DM1/DM5
44.	22.09.2016	Pre-processor directives, Macros		1	DM1
45.	24.09.2016	Example Programs on pointers		1	DM5
46.	24.09.2016	Example Programs on pointers		1	DM5
47.	26.09.2016	Introduction to modular programming		1	DM1
48.	26.09.2016	Functions		1	DM1
49.	27.09.2016	Basics of functions, categories,		1	DM1
50.	27.09.2016	Standard library functions,		1	DM1
51.	29.09.2016	Parameter passing techniques, Examples		1	DM5
52.	03.10.2016	Recursion in functions, examples		1	DM5
53.	03.10.2016	TUTORIAL /QUIZ/ASSIGNMENT- 4		1	DM2/DM3/DM4
54.	04.10.2016	Functions with arrays, passing arrays as parameters		1	DM1
55.	04.10.2016	Functions with pointers		1	DM1
56.	06.10.2016	Programs on functions with arrays and pointers		1	DM1
57.	08.10.2016	Storage classes – auto, static, extern, register		1	DM1
58.	13.10.2016	Dynamic memory management techniques, examples		1	DM5
59.	15.10.2016	Command line arguments, programs		1	DM1
60.	17.10.2016	Programs on Command line arguments		1	DM5
UNIT – IV Derived Data Types					
61.	17.10.2016	Introduction to structures, use of structures in programming		1	DM1

62.	18.10.2016	Structures declaration, definition and initialization		1	DM1
63.	18.10.2016	Programs on structure creation, accessing and printing		1	DM5
64.	20.10.2016	Use of arrays as members in structure		1	DM1
65.	21.10.2016	Nested structures, Arrays of structures		1	DM1
66.	24.10.2016	Example programs on structures		1	DM5
67.	25.10.2016	Structures and functions, examples		1	DM1/DM5
68.	25.10.2016	Pointers to structures		1	DM1
69.	27.10.2016	Self-referential structures		1	DM1
70.	29.10.2016	Unions and differences over structures		1	DM1
71.	31.10.2016	Typedef, bit fields		1	DM1
72.	31.10.2016	Example programs on Unions		1	DM5
73.	01.11.2016	TUTORIAL /QUIZ/ASSIGNMENT- 5		1	DM2/DM3/DM4
UNIT – V FILES					
74.	01.11.2016	File Concept, text files, reading & writing		1	DM1
75.	3.11.2016	binary files, modes of operation		1	DM1
76.	5.11.2016	Standard I/O operations		1	DM1
77.	7.11.2016	Standard I/O operations		1	DM1
78.	8.11.2016	Formatted I/O operations		1	DM1
79.	8.11.2016	File I/O operations		1	DM1
80.	10.11.2016	File I/O operations		1	DM1
81.	12.11.2016	Modes of operation		1	DM1
82.	14.11.2016	Error handling functions		1	DM1
83.	15.11.2016	Programs on file creation		1	DM5
84.	15.11.2016	Programs on file accessing, reading and writing data		1	DM5
85.	17.11.2016	TUTORIAL /QUIZ/ASSIGNMENT- 6		1	DM2/DM3/DM4
86.	19.11.2016	Revision		1	DM1/DM5/DM6
II – MID Examinations					
Total Classes					86
Total number of classes required to complete the syllabus					
Total number of classes available as per Schedule					

NOTE: DELIVERY METHODS: **DM1:** Lecture interspersed with discussions/BB, **DM2:** Tutorial, **DM3:** Lecture with a quiz, **DM4:** Assignment/Test, **DM5:** Demonstration (laboratory, field visit), **DM6:** Presentations/PPT

At the End of the course, students attained the **Course Outcomes: CO1, CO2, CO3, CO4, CO5** & sample proofs are enclosed in Course file.

Signature			
	Name of the Faculty K. Purushottama Rao	Name of Course Co-ordinator	HOD



LESSON PLAN

Course Code& Course Name: BASIC ELECTRICAL ENGINEERING (S143)

SEM: I

Programme: B.Tech, I Year

Department: IT

Name of Faculty: S.Prem kumar

A.Y.: 2016-17

Course Objectives:

The objective of this course is to analyze the electrical circuits and provide knowledge and skills needed to calculate efficiency of different machines, and also prepare the students to understand the working principles of both DC and AC machines, electrical and electronic measuring instruments.

Course outcomes:

After completion of the course students will be able to:

- CO1. Analyze different types of electrical circuits.
- CO2. Understand principle of working of different types of Machines
- CO3. Use the techniques to measure efficiency and regulation of AC Machines.
- CO4. Understand the working of electrical and electronics measuring instruments.

Prerequisites:

Electricity

CO & PO Mapping:

Course Outcomes PO's →	Basic Electrical Engineering											
	Programme Outcomes											
	a	b	c	d	e	f	g	h	i	j	k	l
CO1.	1						2					
CO2.	2				1							
CO3.	3	1	3	1			1					
CO4.	3		2									

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods	Remarks
UNIT-I						
1.	04/07/16	Subject introduction	04/07/16	1	DM1	
2.	05/07/16	Introduction to syllabus	5/07/16	1	DM1	
3.	06/07/16	Unit I Introduction	6/07/16	1	DM1	
4.	7/07/16	Basic definitions of Electrical circuits	07/07/16	1	DM9	
5.	09/07/16	Types of elements and Examples	8/07/16	1	DM1	
6.	11/07/16	Series circuits & Voltage division rule	9/07/16	1	DM1	
7.	12/07/16	Series circuits & Voltage division rule problem	12/07/16	1	DM1	
8.	13/07/16	Parallel circuits & current division rule	13/07/16	1	DM1	
9.	14/07/16	Parallel circuits & current division rule	14/07/16	1	DM1	
10.	15/07/16	Series and parallel problems	15/07/16	1	DM1	
11.	16/07/16	Series and parallel problems	18/07/16	1	DM1	
12.	18/07/16	Source Transformation technique	19/07/16	1	DM1	

13.	19/07/16	Source Transformation technique problem	20/07/16	1	DM1	
14.	20/07/16	Mesh analysis	21/07/16	1	DM1	
15.	21/07/16	Mesh analysis problems	22/07/16	1	DM1	
16.	22/07/16	Delta-star transformations	23/07/16	1	DM1	
17.	23/07/16	Star-delta transformations	25/07/16	1	DM1	
18.	25/07/16	Problems on unit-1	26/07/16	1	DM1	
19.	26/07/16	Tutorial	27/07/16	1	DM2	
20.	27/07/16	Unit II Introduction	28/07/16	1	DM1	
21.	28/07/16	Construction of DC Generator	29/07/16	1	DM1	
22.	29/07/16	Principle of Operation of DC Generator	30/07/16	1	DM1	
23.	30/07/16	EMF Equation of DC Generator	03/08/16	1	DM1	
24.	01/08/16	Types of DC Machines	04/08/16	1	DM1	
25.	02/08/16	Tutorial	05/08/16	1	DM1	
26.	03/08/16	Magnetization	06/08/16	1	DM1	
27.	04/08/16	Load characteristics	08/08/16	1	DM1	
28.	05/08/16	problems	09/08/16	1	DM1	
29.	06/08/16	Principle of operation of DC Motor	10/08/16	1	DM1	
30.	08/08/16	Types of DC Motors	24/08/16	1	DM1	
31.	09/08/16	Types of DC Motors	25/08/16	1	DM1	
32.	10/08/16	Problems	26/08/16	1	DM1	
33.	11/08/16	problems	27/08/16			
34.	12/08/16	Losses of DC Machines	29/08/16	1	DM1	
35.	13/08/16	Problems	30/08/16			
36.	14/08/16	efficiency of DC machines	31/08/16	1	DM1	
37.	16/08/16	Condition for max efficiency	01/09/16	1	DM1	
38.	19/08/16	Problems	02/09/16	1	DM1	
39.	20/08/16	Necessity of 3- point starter	03/09/16	1	DM1	
40.	22/08/16	3 point starter	06/09/16	1	DM1	
41.	23/08/16	Speed torque characteristics	07/09/16	1	DM1	
42.	24/08/16	Current torque characteristics, current speed characteristics	07/09/16	1	DM1	
43.	25/08/16	tutorial	07/09/16	1	DM1	
44.	26/08/16	Problems on second unit	08/09/16	1	DM2	
45.	27/08/16	<u>Revision</u>	09/09/16	1	DM2	
46.	29/08/16	Introduction to UNIT-III	12/09/16	1	DM1	
47.	30/08/16	Basic Definitions	13/09/16	1	DM1	
48.	31/08/16	Analysis of periodic waveforms	14/09/16	1	DM1	
49.	06/09/16	Concepts of Impedance & Admittance	15/09/16	1	DM1	
50.	07/09/16	Powers classification	19/09/16	1	DM1	
51.	08/09/16	Power factor & Problems	20/09/16	1	DM1	
52.	09/09/16	Tutorial	21/09/16	1	DM2	
53.	10/09/16	Principle of Operation of 1phase Transformers	22/09/16	1	DM1	
54.	12/09/16	Ideal Transformer	23/09/16	1	DM1	
55.	13/09/16	Practical Transformer	24/09/16	1	DM1	
56.	14/09/16	EMF Equation	26/09/16	1	DM4	
57.	15/09/16	Regulation-O.C and S.C tests	27/09/16	1	DM1	

58.	16/09/16	Problems	29/09/16	1	DM1	
59.	17/09/16	problems	30/09/16	1	DM1	
60.	19/09/16	Tutorial	01/10/16	1	DM1	
61.	20/09/16	problems on transformer	03/10/16	1	DM1	
62.	21/09/16	Revision	03/10/16	1	DM2	
63.	23/09/16	Revision	04/10/16	1	DM2	
64.	24/09/16	TEST ON Unit3	05/10/16	1	DM4	
65.	26/09/16	Unit –IV Introduction	06/10/16	1	DM1	
66.	27/09/16	Fundamentals of Alternating current	07/10/16	1	DM1	
67.	28/09/16	Principle of operation of Alternators	08/10/16	1	DM1	
68.	30/09/16	Salient and non salient pole rotors	13/10/16	1	DM1	
69.	01/10/16	Tutorial	14/10/16	1	DM1	
70.	03/10/16	Problems	18/10/16	1	DM1	
71.	04/10/16	problems	19/10/16	1	DM1	
72.	05/10/16	Voltage regulation by EMF Method	20/10/16	1	DM1	
73.	06/10/16	Problems	21/10/16	1	DM1	
74.	07/10/16	problems	22/10/16	1	DM1	
75.	08/10/16	Tutorial	27/10/16	1	DM2	
76.	17/10/16	Problems on regulation	28/10/16	1	DM1	
77.	18/10/16	Introduction about Induction Motors	28/10/16	1	DM1	
78.	20/10/16	Principle of operation of IM	31/10/16	1	DM1	
79.	21/10/16	Slip ring motors	01/11/16	1	DM1	
80.	22/10/16	Squirrel cage motors	01/11/16	1	DM1	
81.	24/10/16	Slip torque characteristics	01/11/16	1	DM1	
82.	25/10/16	Slip torque characteristics problems	2/11/16	1	DM1	
83.	26/10/16	tutorial	3/11/16	1	DM2	
84.	28/10/16	Test on Unit IV	4/11/16	1	DM4	
85.	29/10/16	REVISION	04/11/16	1	DM2	
86.	31/10/16	UNIT V Introduction	5/11/16	1	DM1	
87.	01/11/16	Basics about EMI	7/11/16	1	DM1	
88.	02/11/16	Different torques in instruments	8/11/16			
89.	03/11/16	Principles of Indicating instruments	9/11/16	1	DM1	
90.	04/11/16	PMMC Instruments	10/11/16	1	DM1	
91.	05/11/16	Dynamometer	11/11/16	1	DM4	
92.	07/11/16	Moving Iron Attraction type instruments	11/11/16	1	DM4	
93.	08/11/16	Moving Iron repulsion type instruments	11/11/16	1	DM4	
94.	09/11/16	Tutorial	12/11/16	1	DM2	
95.	10/11/16	TEST ON UNIT V	12/11/16	1	DM1	
96.	11/11/16	REVISION	12/11/16	1	DM4	
97.	12/11/16	REVISION	12/11/16	1	DM2	

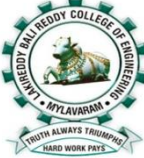
NOTE: DELIVERY METHODS:

DM1: Lecture interspersed with discussions/BB, **DM2:** Tutorial, **DM4:** Assignment/Test,

DM8: Presentations/PPT, **DM9:** Asynchronous Discussion...

Signature				
	Name of the Faculty	Name of Course Co-ordinator	Name of Module Co-ordinator	HOD
	S.Prem kumar	S.Prem kumar	J.SIVA VARA PRASAD	Dr. M. Uma Vani

Head of the Department

	Lakireddy Balireddy College of Engineering L.B.Reddy Nagar, Mylavaram , Krishna District, A.P FRESHMAN ENGINEERING DEPARTMENT			
	LESSON PLAN			
	Subject :	ELCS- L144		
	Academic Year :	2016-17	Semester : I	Date: 04.07.2016 To 12.11.2016
	Year :	I B Tech	Section : IT	

Course Educational Objectives

In this course, the students will learn to

- Better pronunciation through emphasis on word accent.
- Use language effectively to face interviews, group discussions, public Speaking.
- Possess positive attitude and group behavior.
- Negotiate well with inter personal skills and intra personal skills.
- Speak spontaneously on any topic given.

Course Outcomes

After the completion of this course, prospective engineers will have the ability to

- Withstand the global competition in the job market with proficiency in English communication.
- Articulate English with good pronunciation.
- Face competitive exams like GRE, TOEFL, IELTS etc.
- Face interviews and skillfully manage through group discussions
- Communicate with the people effectively.

Syllabus:

1. Introduction to English Phonemes; Phonetic Transcription, Stress.
2. JAM
3. Role Play
4. Information Transfer
5. Group Discussions

SUGGESTED SOFTWARE

1. Digital Mentor: Globarena, Hyderabad,2005
2. Sky Pronunciation Suite: Young India Films, Chennai, 2009
3. Mastering English in Vocabulary, Grammar, Spelling, Composition, Dorling Kindersley,USA,2001
4. Dorling Kindersley Series of Grammar, Punctuation, Composition, USA, 2001
5. Oxford Talking Dictionary, The Learning Company, USA, 2002
6. Learning to Speak English - 4 CDs. The Learning Company,USA,2002
7. Cambridge Advanced Learners English Dictionary (CD). Cambridge University Press, New Delhi, 2008

S.No	Teaching Learning Process (TLP)	Delivery Methods (DM)	Assessment Methods (AM)
1	Solving Real world problem	Chalk & Talk	Assignments
2	Explaining application before theory	ICT tools	Quiz
3	Solving problems	Group discussions	Tutorials
4	Designing of experiments	Industrial visit	Surprise Tests
5	Problems on environmental, economics, health & safety	Field work	Mid Exams
6	Problems on professional & ethics	Case studies	Model Exam
7	Seminar	Mini Projects	END Exams
8	Problems using software	Numerical treatment	
9	Self study	Design / Exercises	

S. No.	No. of Lecture Hours	Tentative Dates	Topics		Actual Dates	TLP	DM	AM
1	3	09-07-16	General Introduction		09-07-16	1	1	
2	3	16-07-16	JAM		16-07-16	4,9	2,6	4
3	3	23-07-16	JAM		23-07-16	4,9	2,6	4
4	3	30-07-16	Role play		30-07-16	4,9	9	4
5	3	06-08-16	Role play	Module	06-08-16	4,9	9	4
6	3	13-08-16	Coordinator	Coordinator	13-08-16	4,9	9	4
Name	3	20-08-16	Dr. B.Samrajya	Dr. B.Samrajya	20-08-16	7,9	2	4
8	3	27-08-16	Lakshmi	Lakshmi	27-08-16	7,9	2	4
Sign with Date								
9	3	03-09-16	Information transfer		03-09-16	7,9	2	4
10	3	24-09-16	Group Discussions		24-09-16	4,9	3	4
11	3	01-10-16	Group Discussions		01-10-16	4,9	3	4
12	3	08-10-16	Group Discussions		08-10-16	4,9	3	4
13	3	22-10-16	Phonetics		22-10-16	1,3	1,2,9	2
14	3	29-10-16	Phonetics		29-10-16	1,3	1,2,9	2
15	3	05-11-16	Phonetics		05-11-16	1,3	1,2,9	2
16	3	12-11-16	LAB Internal exam		12-11-16			6,7

Course Code&

Course Name : Computer Programming Lab (L126)
Programme : B.Tech

SEM: I
Department: IT

Faculty : K. Purushottama Rao, K. Anupriya, K. Lavanya

Academic year: 2016 - 17

S.NO	CYCLE	Date	List Of Programmes	Signature
1	CYCLE-1	08-07-16	I) Write a programme in 'C' language to cover the following problems. a) Example program which shows the usage of various preliminary Data types available in C Language.	
2		15-07-16	b) Example program which shows the usage of various Operators available in C Language. c) Example programs to illustrate the order of evaluation.	
3	CYCLE-2	22-07-16	a) To check whether the given year is leap year (or) not b) Roots of Quadratic Equation. c) Finding smallest & biggest number from the given set of 4 numbers using 'if' statement. d) Calculate the student grade in the examination – assume suitable constraints.	
		29-07-16	e) Prepare electricity bill for the consumed units – assume suitable Constraints. f) Converting given two digit number into words using switch statement g) To illustrate the usage of 'goto' statement.	
4	CYCLE-3	05-08-16	a) To Display first N natural numbers b) To find whether the given number is Armstrong (or) not c) To find reverse of the given number and to check whether it is palindrome (or) not.	
5		12-08-16	d) To find whether given number is strong number (or) not. e) To check whether given number is Prime (or) not	
6		19-08-16	f) To display prime numbers with in the given range (Nesting of Loops).	
7	CYCLE-4	26-08-16	Write example programs in C Language to perform following operations a) Finding the sum and average of given numbers using Arrays.	
8		02-09-16	b) To display elements of array in reverse order c) To search whether the given element is in the array (or) not using linear search & binary search.	

		09-09-16	d) Write a C program to perform the following operations i) Addition, subtraction and multiplication of Matrices ii) Transpose of given matrix (The above operations are to be exercised using functions also by passing arguments) e) Write a C program to find whether the given string is palindrome (or) not. f) To accept line of text and find the number of characters, number of vowels and number of blank spaces in it. g) Write an example program to illustrate the use of any 5 string handling functions.	
9	CYCLE-5	16-09-16	a) Example program to bring clarity on pointer declaration & initialization and Pointer arithmetic. b) Write an example program to describe the usage of call by reference.	
10		23-09-16	c) Write a program to find sum of the elements of the array using functions.	
11	CYCLE-6	30-09-16	a) To find factorial of a given number using functions. b) Swap two numbers using functions. c) To find GCD of two numbers using recursion	
12		07-10-16	d) Write a recursive function to solve Towers of Honai problem. e) Write an example program to illustrate use of external & static storage classes. f) Write an example program to illustrate the usage of command line arguments. g) Program to illustrate the usage of dynamic memory management functions.	
13	CYCLE-7	14-10-16	a) Write an example program using structures to process the student record. Assume suitable fields for student structures (Different kinds of initialization of structure variables are to be exercised)	
14		04-11-16	b) Write a program to read records of 10 employees and find their average salary c) Write a program to handle a structure variable using pointers and implement self referential structure(i.e. A structure variable having a pointer to itself)	
15	CYCLE-8	11-11-16	a) Accessing content from files and writing content in to it. (Exercise different file operation modes) b) Copy the contents of one file into another (Exercise different file operation modes)	
16		18-11-16	Lab Internal	

Faculty Names & Signatures :

1. K. Purushottama Rao

2. K. Anupriya

3. K. Lavanya

Head of the Department



LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

L.B. Reddy Nagar, Mylavaram – 521 230
Department of Information Technology

Notification of cycles and schedules for conduction lab programmes

Subject : Raptor&Office suit Lab
Faculty : K. Rajasekhar ,K. Raviteja, K. Lavanya
Lab Code : L175

S.No	Cycle	Date	List of Programmes
1	Cycle-1	15-07-2016	Raptor Intoduction. 1. Design a flowchart to print "Hello". 2. Design a flowchart to perform addition of two numbers. 3. Design a flowchart to perform various arithmetic operators.
2		22-07-2016	4. Design a flowchart to find whether a given number is even or not. 5. Design a flowchart to find whether a given number is positive or not. 6. Design a flowchart to find whether given year is leap year or not. 7. Design a flowchart to find the factorial of given number.
3	Cycle-2	29-07-2016	8. Design a flowchart to print the reverse of given number. 9. Design a flowchart to illustrate the concept of Increment/decrement operators.
4	Cycle-3	05-08-2016	10. Design a flowchart to illustrate the concept of Switch case. 11. Design a flowchart to find the biggest of two numbers using Ternary operator.
5		12-08-2016	12. Design a flowchart to print prime numbers from 1 to N(N must be the value provided by user
6		19-08-2016	13. Design a flowchart to verify that given number is Armstrong or not. 14. Design a flowchart to verify given number is palindrome or not.

7	Cycle-4	26-08-2016	15. Design a flowchart to print Fibonacci series. 16. Design a flowchart to print number pattern
8		02-09-2016	LAB INTERNAL-1
9	Cycle-5	09-09-2016	17. Design a flowchart to illustrate the concept of accepting values into arrays. 18. Design a flowchart to perform sum of elements in an array.
10		16-09-2016	19. Design a flowchart to find maximum and minimum element in array. 20. Design a flowchart to illustrate the concept of functions.
11	Cycle-6	23-09-2016	21. Design a flowchart to illustrate the concept of recursive functions.
12		30-09-2016	Create a formatted word document using MS-WORD Features to be covered: Formatting Fonts in Word, Applying Text effects, Using Character Spacing, Borders and colors, Inserting Header and Footer, Using Date and Time Options.
13	Cycle-7	07-10-2016	Using Excel: Accessing, Overview of tool bars, Saving Excel files Generating Appropriate charts for the statistical data using MS-Excel.
14	Cycle-8	14-10-2016	LOOKUP/VLOOKUP Performance Analysis: Split cells, freeze panes, group and outline, Boolean and logical operators, conditional formatting.
15	Cycle-9	21-10-2016	Create a PowerPoint for a simple technical topic using MS PowerPoint.
16		04-11-2016	LAB INTERNAL-2

Faculty Names & Signatures :

1. K. Rajasekhar

2. K. Raviteja

3 K. Lavanya

