



LESSON PLAN

Course Code & Course Name : S 239 & ENGLISH -I
Programme: B. Tech

Sem.: I
Dept.:I-IT

S. No.	Tentative Date	Topics to be Covered	Actual Date	No. of classes	Delivery Method
1	08.07.15	Introductory Period		1	DM1
2	09.07.15	Parts of speech		1	DM3
3	13.07.15	Parts of speech		1	DM3
4	14.07.15	Parts of speech		1	DM3
5	15.07.15	Antonyms		1	DM3
6	16.07.15	Tutorial-Parts of Speech/Antonyms		1	DM3
7	20.07.15	Types of sentences		1	DM3
8	21.07.15	Un-jumbling sentences into a paragraph		1	DM2
9	22.07.15	Astronomy		1	DM1
10	23.07.15	Astronomy		1	DM1
11	25.07.15	Astronomy		1	DM1
12	27.07.15	Tutorial: Astronomy/ Un-jumbling sentences into a paragraph		1	DM4
13	28.07.15	J.C. Bose		1	DM1
14	29.08.15	J.C. Bose		1	DM1
15	30.07.15	J.C. Bose		1	DM1
16	01.08.15	Prepositions		1	DM3
17	03.08.15	Prepositions		1	DM3
18	05.08.15	Tutorial: J.C. Bose/prepositions		1	DM4
19	06.08.15	Word plurals		1	DM3
20	10.08.15	Sentences completion		1	DM3
21	11.08.15	Sentences completion		1	DM3
22	12.08.15	Synonyms		1	DM3

23	13.08.15	Synonyms		1	DM3
24	17.08.15	Synonyms		1	DM3
25	18.08.15	Tutorial-word plurals/synonyms		1	DM4
26	19.08.15	Travel and transport		1	DM1
27	20.08.15	Travel and transport		1	DM1
28	22.08.15	Travel and transport		1	DM1
29	24.08.15	Drafting E-mails		1	DM1
30	25.08.15	Tutorial: Travel and transport/E-mail		1	DM4
31	26.08.15	Letter writing(formal)		1	DM1
32	27.08.15	Letter writing(informal)		1	DM1
33	29.08.15	Paragraph writing		1	DM1
34	31.08.15	Paragraph writing		1	DM1
35	01.09.15	Paragraph writing		1	DM1
36	02.09.15	Tutorial		1	DM1
37	03.09.15	Quiz		1	DM1
38	08.09.15	Preparation		1	DM1
39	08.09.15	Preparation		1	DM1
I- MID EXAMINATIONS (09-09-2015 to 15-09-2015)					
40	16.09.15	Prefixes and suffixes		1	DM3
41	19.09.15	Humour		1	DM1
42	21.09.15	Humour		1	DM1
43	22.09.15	Humour		1	DM1
44	23.09.15	Tutorial: Humour & prefixes -suffixes		1	DM4
45	24.09.15	P.C.Ray		1	DM1
46	26.09.15	P.C.Ray		1	DM1
47	28.09.15	P.C.Ray		1	DM1
48	29.09.15	Active&passive voice		1	DM3

49	30.09.15	Active&passive voice		1	DM3
50	30.09.15	Note making		1	DM1
51	01.10.15	Tutorial: Voice/Note making		1	DM2
52	03.10.15	Health&Medicine		1	DM1
53	05.10.15	Health&Medicine		1	DM1
54	06.10.15	Health&Medicine		1	DM1
55	07.10.15	Tenses		1	DM3
56	08.10.15	Tenses		1	DM3
57	10.10.15	Tutorial: Health&Medicine/Tenses		1	DM2
58	12.10.15	Abstract writing		1	DM1
59	13.10.15	Abstract writing		1	DM1
60	14.10.15	Srinivasa Ramanujan		1	DM1
61	15.10.15	Srinivasa Ramanujan		1	DM1
62	26.10.15	Srinivasa Ramanujan		1	DM1
63	27.10.15	Tutorial: Srinivasa Ramanujan/Abstract writing		1	DM4
64	28.10.15	Deriving words		1	DM3
65	29.10.15	Deriving words		1	DM3
66	31.10.15	Articles		1	DM3
67	02.11.15	Articles		1	DM3
68	03.11.15	C.V.Raman		1	DM1
69	04.11.15	C.V.Raman		1	DM1
70	05.11.15	C.V.Raman		1	DM1
71	07.11.15	Tutorial: C.V.Raman/Articles		1	DM4
72	09.11.15	Essay writing		1	DM1
73	10.11.15	Essay writing		1	DM1
74	12.11.15	Dialogue writing		1	DM1

75	14.11.15	Dialogue writing		1	DM1
76	16-11.15	One word substitutes		1	DM1
77	17.11.15	One word substitutes		1	DM1
78	18.11.15	One word substitutes		1	DM1
79	19.11.15	Tutorial: Dialogue/ Essay writing		1	DM2
80	21.11.15	Quiz		1	DM3
81	23.11.15	preparation		1	
82	24.11.15	Revision		1	
83	25.11.15	Revision		1	
II- MID EXAMINATIONS (26-11-2015 to 01-12-2015)					
		Tutorial/ Assignment -Dialogue/ Essay			
		Total Number of classes available as per academic calendar	74		
		No of classes required to complete the syllabus	74		

NOTE: DELIVERY METHODS (DM) DM 1 : Lecture interspersed with discussions / BB DM2: Tutorial
DM3: Lecture with a quiz DM4: Assignment / quiz DM5: Demonstration (Laboratory, Field visit)
DM6: Group Discussion DM7: Group assignment / Project DM8: Presentation / PPT
DM9: Asynchronous Discussion.

At the end of course, students attained the CO1, CO2, CO3, etc.....sample proofs are enclosed in course file.

Signature			
	Name of the Faculty Ch.Nagarjuna	Name of course Co-coordinator Dr.B.Samrajya Lakshmi	H O D Dr.A.Ramireddy

	LESSON PLAN	
	Course Code & Course Name:	SEM: I
	Programme: B. Tech	Department: IT

S. No	Tentative Date	Topics to be covered	Actual Date	Number of classes	Delivery Method
1	08/07/15	Course Objective, introduction, their applications		1	DM1
UNIT – I					
2	08/07/15	Differential equations of first order and first degree		1	DM1
3	10/07/15	Separation of variables		1	DM1
4	11/07/15	Homogeneous differential equations		1	DM1
5	13/07/15	Non Homogeneous differential equations		1	DM1
6	14/07/15	Exact differential equations		1	DM1
7	15/07/15	Non Exact differential equations, Type I		1	DM1
8	15/07/15	Non Exact differential equations, Type II		1	DM1
9	17/07/15	Non Exact differential equations, Type III		1	DM1
10	20/07/15	Non Exact differential equations, Type IV		1	DM1
11	21/07/15	Linear differential equations		1	DM1
12	22/07/15	Linear differential equations		1	DM1
13	22/07/15	TUTORIAL - 1		1	DM2
14	24/07/15	Bernoulli's differential equations		1	DM1

15	25/07/15	Non-linear differential equations		1	DM1
16	27/07/15	Orthogonal Trajectories in Cartesian form		1	DM1
17	28/07/15	Orthogonal Trajectories in Polar form		1	DM1
UNIT – II					
18	29/07/15	Homogeneous Linear Differential equations		1	DM1
19	29/07/15	TUTORIAL - 2		1	DM2
20	31/07/15	Non Homogeneous and R.H.S of the form e^{ax}		1	DM1
21	01/08/15	Non Homogeneous and R.H.S of the form e^{ax}		1	DM1
22	03/08/15	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$		1	DM1
23	04/08/15	QUIZ - 1		1	DM2
24	05/08/15	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$		1	DM1
25	05/08/15	TUTORIAL - 3		1	DM1
26	07/08/15	Non Homogeneous and R.H.S of the form polynomial in x		1	DM1
27	10/08/15	Non Homogeneous and R.H.S of the form polynomial in x		1	DM1
28	12/08/15	Non Homogeneous and R.H.S of the form $e^{ax} v(x)$		1	DM1
29	12/08/15	TUTORIAL – 4		1	DM2
30	13/08/15	Non Homogeneous and R.H.S of the form $e^{ax} v(x)$		1	DM1
31	14/08/15	Non Homogeneous and R.H.S of the term $xv(x)$		1	DM1
32	17/08/15	Non Homogeneous and R.H.S of the term $xv(x)$		1	DM1
33	18/08/15	Non Homogeneous and R.H.S of the term $x^k v(x)$		1	DM1

34	19/08/15	Assignment in UNIT I		1	DM4
35	19/08/15	TUTORIAL - 5		1	DM2
36	21/08/15	Method of Variation of Parameters		1	DM1
37	22/08/15	Method of Variation of Parameters		1	DM1
38	24/08/15	Method of Variation of Parameters		1	DM1
39	25/08/15	Cauchy's equation		1	DM1
40	26/08/15	Cauchy's equation		1	DM1
41	26/08/15	TUTORIAL - 6		1	DM2
42	28/08/15	Legendre's Equation		1	DM1
43	29/08/15	Legendre's Equation		1	DM1
44	31/08/15	Applications of Linear differential equations		1	DM1
45	01/09/15	Applications of Linear differential equations		1	DM1
46	02/09/15	Applications of Linear differential equations		1	DM1
47	02/09/15	Applications of Linear differential equations		1	DM1
48	04/09/15	Assignment in Unit II		1	DM1
49	07/09/15	QUIZ - 2		1	DM3
50	08/09/15	Revision		1	
UNIT – IV					
51	16/09/15	Matrices Introduction and definitions		1	DM1
52	16/09/15	Rank of a matrix, Problems		1	DM1
53	18/09/15	Echelon Form		1	DM1
54	19/09/15	Normal form		1	DM1
55	21/09/15	Normal form through PAQ		1	DM1
56	22/09/15	Solutions of linear homogeneous equations		1	DM1

57	23/09/15	Solutions of linear non-homogeneous equations		1	DM1
58	23/09/15	Gauss Elimination Method		1	DM1
59	25/09/15	Gauss Jordan Method		1	DM1
60	26/09/15	Gauss Jordan Method		1	DM1
61	28/09/15	Consistency and Inconsistency of equations		1	DM1
62	29/09/15	System of Homogeneous equations		1	DM1
63	30/09/15	Jacobi Method		1	DM1
64	30/09/15	TUTORIAL-7		1	DM2
65	03/10/15	Jacobi Method		1	DM1
66	05/10/15	Gauss Seidel Method		1	DM1
UNIT – V					
67	06/10/15	Eigen values and Eigen vectors		1	DM1
68	07/10/15	Problems to find Eigen vectors		1	DM1
69	07/10/15	TUTORIAL - 8		1	DM2
70	09/10/15	Problems to find Eigen vectors		1	DM1
71	10/10/15	QUIZ - 3		1	DM3
72	12/10/15	Properties		1	DM1
73	13/10/15	Cayley Hamilton Theorem		1	DM1
74	14/10/15	Cayley Hamilton Theorem		1	DM1
75	14/10/15	Inverse and powers of a matrix by using Cayley Hamilton Theorem		1	DM1
76	16/10/15	Assignment Unit - IV		1	DM4
77	17/10/15	TUTORIAL – 9		1	DM2
78	26/10/15	QUIZ – 4		1	DM3
UNIT – III					
79	27/10/15	Introduction to Mean Value theorems		1	DM1

80	28/10/15	Generalized Mean Value Theorem		1	DM1
81	28/10/15	Taylor's series		1	DM1
82	30/10/15	Taylor's series		1	DM1
83	31/10/15	Maclaurin's series		1	DM1
84	02/11/15	Assignment Unit - V		1	DM4
85	03/11/15	Functional of Several Variables		1	DM1
86	04/11/15	TUTORIAL – 10		1	DM2
87	04/11/15	Jacobians		1	DM1
88	06/11/15	Jacobians		1	DM1
89	07/11/15	Functional Dependence		1	DM1
90	09/11/15	Maxima and Minima of functions of two variables		1	DM1
91	10/11/15	Maxima and Minima of functions of two variables		1	DM1
92	13/11/15	Lagrange's Multiplier Method		1	DM1
93	14/11/15	Lagrange's Multiplier Method		1	DM1
94	16/11/15	Introduction to Partial Differential Equations		1	DM1
95	17/11/15	Formation of P.D.E. by eliminating arbitrary constants		1	DM1
96	18/11/15	Formation of P.D.E. by eliminating arbitrary functions		1	DM1
97	18/11/15	TUTORIAL - 16		1	DM2
98	20/11/15	Formation of P.D.E. by eliminating arbitrary functions		1	DM1
99	21/11/15	Solutions of first order linear equations		1	DM1
100	23/11/15	Lagrangian method		1	DM1
101	24/11/15	Assignment Unit - III		1	DM4
102	25/11/15	TUTORIAL - 18		1	DM2

103	25/11/15	QUIZ- 5		1	DM3
		Total Number of classes available as per academic calendar		103	
		Total Number of classes required to complete the syllabus		103	

Signature		
	Name of the Faculty Name of the Course coordinator	HOD
	Y.P.C.S.Anil Kumar	Dr. A. RAMIREDDY

	LESSON PLAN	SEM:1
		Department: IT
		Section: IT
	Course code & course name	S232& Engineering chemistry
	Programme : B. Tech	A.Y: 2015-16

S. No.	Tentative Date	Topics to be covered	Actual Date	No of classes	Delivery Method
1	9.7.15	Orientation class-1		1	DM1.
2	11.7.15	Orientation class-2		1	DM1
3	13.7.15	Orientation class-3		1	DM1
4	14.7.15	Orientation class-4		1	DM1
5	15.7.15	Introduction to chapters of the Engg.Chemistry		1	DM1
UNIT-1					
6	16.7.15	Sources of water & quality, Concept of hardness		1	DM1
7	20.7.15	Types Hardness, Units of hardness - inter-conversions		1	DM1
8	21.7.15	Hardness problems		1	DM1
9	22.7.15	Tutorial		1	DM2
10	23.7.15	Scale and Sludge formation		1	DM1
11	25.7.15	caustic embrittlement		1	DM1
12	27.7.15	Priming and foaming & boiler corrosion			DM1
13	28.7.15	Tutorial		1	DM2
14	29.7.15	L.S process, principle and equations		1	DM1
15	30.7.15	Cold & hot lime soda process		1	DM1
16	1.8.15	Zeolite process, advantages and demerits		1	DM1
17	3.8.15	Ion Exchange process, advantages and demerits		1	DM1
18	4.8.15	Internal treatment, Desalination		1	DM1
19	5.8.15	Electro dialysis. reverse osmosis		1	DM1
20	6.8.15	Revision for late joiners		1	DM1
21	10.8.15	Revision for late joiners		1	DM1
22	11.8.15	Revision for late joiners		1	DM1

23	12.8.15	Quiz		1	DM3
24	13.8.15	Assignment		1	DM4
UNIT-2					
25	17.8.15	S,L,G fuels merit & demerits		1	DM1
26	18.8.15	G.C.V,L.C.V Definitions coal, its origin, types.		1	DM1
27	19.8.15	Proximate analysis, significance		1	DM1
28	20.8.15	Ultimate analysis, significance		1	DM1
29	22.8.15	Tutorial		1	DM2
30	24.8.15	Refining of petroleum, cracking		1	DM1
31	25.8.15	Fixed bed ,moving bed cracking methods		1	DM1
32	26.8.15	Fischer Tropschs &Bergius process		1	DM1
33	27.8.15	Tutorial		1	DM2
34	29.8.15	Working of I.C &C.I engines		1	DM1
35	31.8.15	Natural gas, C.N.G .analysis of flue gases		1	DM1
36	1.9.15	Quiz		1	DM3
37	2..9.15	Assignment		1	DM4
38	3..9.15	Revision for 1 Mid examination		1	DM1
39	7.9.15	Revision for 1 Mid examination		1	DM1
40	8.9.15	Revision for 1 Mid examination		1	DM1
41	9.9.15	1 Mid examination			
42	10.9.15	1 Mid examination			
43	12.9.15	1 Mid examination			
44	14.9.15	1 Mid examination			
45	15.9.15	1 Mid examination			
46	16.9.15	1 Mid papers distribution & discussion			
Unit-3					
47	19.9.15	Corrosion, definition ,examples.		1	DM1
48	21.9.15	Dry corrosion & types		1	DM1
49	22.9.15	Wet corrosion. mechanism		1	DM1
50	23.9.15	Galvanic corrosion. Passivity		1	DM1
51	26.9.15	Galvanic series, significance.		1	DM1
52	28.9.15	Concentration corrosion		1	DM1
53	29.9.15	Tutorial		1	DM2
54	30.9.15	Inter granular, stress corrosion ,soil corrosion		1	DM1

55	1.10.15	Factors influencing corrosion		1	DM1
56	3.10.15	Corrosion control		1	DM1
57	5.10.15	Tutorial		1	DM2
58	6.10.15	Quiz		1	DM3
59	7.10.15	Assignment		1	DM4
Unit-4					
60	8.10.15	Basic terminology of polymers		1	DM1
61	10.10.15	Types of polymerization		1	DM1
62	12.10.15	P.V.C, Teflon,		1	DM1
63	13.10.15	Bakelite, PMMA		1	DM1
64	14.10.15	Tutorial		1	DM2
65	15.10.15	Conducting polymers		1	DM1
66	17.10.15	Conducting polymers		1	DM1
67	26.10.15	Processing of natural rubber		1	DM1
68	27.10.15	BUNA-S, BUNA-N, Thiokal		1	DM1
69	28.10.15	Polyester & F.R.P		1	DM1
70	29.10.15	Tutorial		1	DM2
71	31.10.15	Quiz		1	DM3
72	2.11.15	Assignment		1	DM4
Unit-5					
74	4.11.15	Alternative starting materials ,		1	DM1
75	5.11.15	Alternative reagents		1	DM1
76	7.11.15	Alternative reaction conditions		1	DM1
77	9.11.15	Alternative final products		1	DM1
78	10.11.15	Tutorial		1	DM2
79	12.11.15	Liquid crystals		1	DM1
80	16.11.15	Classification of liquid crystals		1	DM1
81	17.11.15	Classification of liquid crystals		1	DM1
82	18.11.15	Applications of liquid crystals		1	DM1
83	19.11.15	Quiz		1	DM3
84	21.11.15	Assignment		1	DM4

85	23.11.15	Topics beyond syllabus		1	DM1
86	24.11.15	Topics beyond syllabus		1	DM1
87	25.11.15	Instructions for external examination		1	DM1
		Total number of classes as per A.Calander		87	
		Number of classes required to complete syllabus			

Signature			
	Name of the Faculty	Name of the Course Coordinator	HOD
	Mr. K. Jamili Reddy	Dr. V.Parvathi	Dr. A. Rami Reddy

NOTE: DELIVERY METHODS (DM) DM 1 : Lecture interspersed with discussions / BB

DM2: Tutorial DM3: Lecture with a quiz DM4: Assignment / quiz DM5: Demonstration (Laboratory, Field visit) DM6: Group Discussion DM7: Group assignment / Project DM8: Presentation / PPT DM9: A synchronous Discussion.

At the end of course, students attained the CO1, CO2, CO3 etc.....sample proofs are enclosed in course file.



LESSON PLAN

Course Name & Code : Computer Programming (S170)

Programme : B.Tech

Academic Year : 2015-2016

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.	08/07/2015	Introduction to computers		1	DM1
2.	09/07/2015	Operating system, Compiler and Interpreter		1	DM1
3.	10/07/2015	Introduction to Programming		1	DM1
4.	13/07/2015	Algorithm/pseudo code		1	DM1
5.	14/07/2015	Flow charts, Examples		1	DM1
6.	15/07/2015	Examples on Algorithm/pseudo code.		1	DM1
7.	16/07/2015	Examples on Flow charts.		1	DM1
8.	17/07/2015	TUTORIAL-1			DM2
9.	18/07/2015	Introduction to c language.		1	DM1
10	20/07/2015	Structure of a c program , Identifiers		1	DM1
11	21/07/2015	Basic data types and sizes		1	DM1
12	22/07/2015	QUIZ / TEST		1	DM3/DM4
13	23/07/2015	Constants, Variables		1	DM1
14	24/07/2015	Variable declaration & initialization.		1	DM1
15	25/07/2015	Input-output statements		1	DM1
16	27/07/2015	Input-output statements, Sample C programs		1	DM1

17	28/07/2015	Operators: Arithmetic, Relational		1	DM1
18	29/07/2015	Operators: Relational & Logical			
19	30/07/2015	Increment and decrement operators and conditional operator		1	DM1
20	01/08/2015	QUIZ / TEST		1	DM3/DM4
21	03/08/2015	Bit-wise, Assignment operators		1	DM1
22	04/08/2015	Expressions, properties of operators and order of evaluation.		1	DM1
23	05/08/2015	Type Conversions.		1	DM1
24	06/08/2015	TUTORIAL – 2		1	DM2
25	07/08/2015	Conditional Statements: simple if			DM1
26	10/08/2015	If else and nested if else statements.		1	DM1
27	11/08/2015	Else if ladder, switch statement		1	DM1
28	12/08/2015	Switch statement, break and continue.		1	DM1
29	13/08/2015	While loop C Examples.		1	DM1
30	14/08/2015	For statements C Examples		1	DM1
31	17/08/2015	Do While Statement		1	DM1
32	18/08/2015	QUIZ			DM3
UNIT – II: ARRAYS					
33	19/08/2015	Arrays: definition, declaration		1	DM1
34	20/08/2015	Accessing elements, storing elements.		1	DM1
35	21/08/2015	Two- dimensional arrays, Accessing elements		1	DM1
36	22/08/2015	Two- dimensional arrays and Multi dimensional arrays.		1	DM1
37	24/08/2015	TUTORIAL – 3		1	DM2
38	25/08/2015	QUIZ			
39	26/08/2015	Character arrays – Strings, declaration, Initialization		1	DM1

40	29/08/2015	Accessing strings, arithmetic operations on characters		1	DM1
41	31/08/2015	String handling functions with examples		1	DM1
42	01/09/2015	String handling functions with examples		1	DM1
43	02/09/2015	TUTORIAL – 4		1	DM2
44	03/09/2015	REVIEW ON I & II UNITS		1	DM6
45	04/09/2015	REVIEW ON I & II UNITS			
I MID EXAMINATIONS: 09/09/2015 TO 15/09/2015					
UNIT – III					
46	16/09/2015	Pointers: concepts, initialization of pointer variables		1	
47	17/09/2015	Pointer expressions, Arithmetic on Addresses of pointers		1	DM1
48	18/09/2015	Pointers and Arrays		1	DM1
49	19/09/2015	Pointers and Strings.		1	DM4
50	21/09/2015	Pointers to pointers, Examples		1	DM1
51	23/09/2015	QUIZ		1	DM3
52	24/09/2015	Pre-processor directives, Macros		1	DM1
53	25/09/2015	Functions: Basics of functions, categories		1	DM1
54	26/09/2015	Parameter passing techniques		1	DM1
55	28/09/2015	Parameter passing techniques		1	DM1
56	30/09/2015	Recursive Functions		1	DM1
57	01/10/2015	Functions with arrays		1	DM1
58	03/10/2015	Storage classes		1	DM1
59	05/10/2015	Standard library functions		1	DM1
60	07/10/2015	Dynamic memory management functions		1	DM1

61	08/10/2015	Dynamic memory management functions		1	DM1
62	09/10/2015	Command line arguments, programs		1	DM1
63	12/10/2015	TUTORIAL – 5		1	DM2
UNIT – IV					
64	14/10/2015	Structures - declaration, definition and initialization		1	DM1
65	15/10/2015	Accessing of Structures		1	DM1
66	16/10/2015	Nested structures		1	DM1
67	17/10/2015	Arrays of structures		1	DM1
68	26/10/2015	Structures and functions, examples		1	DM1
69	28/10/2015	Pointers to structures		1	DM1
70	29/10/2015	Self-referential structures		1	DM1
71	30/10/2015	QUIZ		1	DM3
72	31/10/2015	Unions		1	DM1
73	02/11/2015	typedef, bit fields		1	DM1
74	04/11/2015	Example programs on structures		1	DM1
75	05/11/2015	REVIEW ON UNIT - IV		1	DM6
76	06/11/2015	TUTORIAL – 6		1	DM2
UNIT - V					
77	09/11/2015	File Concept, text files and binary files		1	DM1
78	11/11/2015	modes of operation		1	DM1
79	12/11/2015	modes of operation		1	DM1
80	13/11/2015	Standard I/O operations		1	DM1
81	14/11/2015	Formatted I/O operations		1	DM1
82	16/11/2015	QUIZ		1	DM3
83	18/11/2015	File I/O operations		1	DM1
84	19/11/2015	Modes of operation		1	DM1

85	20/11/2015	Error handling functions		1	DM1
86	21/11/2015	REVIEW ON UNIT - V		1	DM6
87	23/11/2015	TUTORIAL – 7		1	DM2
88	25/11/2015	Discussion on previous papers		1	
		Total		88	
Total number of classes required to complete the syllabus				88	
Total number of classes available as per Schedule				88	

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	Name of Course Co-ordinator	HOD
	Dr.S.Naganjaneyulu	Dr.S.Naganjaneyulu	Dr.D.Nagaraju



LESSON PLAN

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

SEM: I

Programme: B.Tech , I Year

Department: IT

Name of Faculty: Imran Abdul

Course Objectives:

The objective of this course is to introduce 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 different electrical and electronic measuring instruments.

Course outcomes:

After completion of the course students will be able to:

- CO1. Analyse different types of electrical circuits.
- CO2. Identify a suitable machine for particular application.
- CO3. Use the techniques to determine efficiency and regulation of AC Machines.
- CO4. Understand the working of electrical measuring instruments.

Prerequisites:

Electricity, magnetism

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
1.	UNIT I: ELECTRICAL CIRCUIT FUNDAMENTALS				
2.	08-jul-15	Introduction to Electrical Engineering		1	DM1
3.	10-jul-15	Introduction to basic Electrical Engineering & Syllabus		1	DM1
4.	11-jul-15	Basic Definitions in Electrical circuits		1	DM1
5.	14-jul-15	OHM's Law & Limitations of OHM's law		1	DM1
6.	15-jul-15	Kirchhoff's laws (KCL & KVL)		1	DM1
7.	17-jul-15	Problems on Ohm's and Kirchhoff's laws (Tutorial 1)		1	DM2

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
8.	18-jul-15	Problems on Ohm's and Kirchhoff's laws(Tutorial 2)		1	DM2
9.	21-jul-15	Series and Parallel networks(Resistive networks)		1	DM1
10.	22-jul-15	Current Division& Voltage division rule			DM1
11.	24-jul-15	Problems on current division & voltage division rule			DM1
12.	28-jul-15	Problems on Series and Parallel Networks(Tutorial 3)		1	DM2
13.	29-jul-15	Delta to star Transformation Technique		1	DM1
14.	31-jul-15	Problems Delta to star Transformation		1	DM1
15.	01-Aug-15	Star to delta Transformation Technique		1	DM1
16.	01-Aug-15	Problems on star to delta transformation			DM2
17.	04-Aug-15	Source Transformation Technique			DM1
18.	05-Aug-15	Problems on source transformation technique			DM2
19.	07-Aug-15	Slip test/Assignment on Unit-I			DM4
20.	UNIT II: DC MACHINES				
21.	08-Aug-15	Basic laws of DC machine		1	DM1
22.	08-Aug-15	Principle of operation of DC Generator		1	DM1
23.	11-Aug-15	Construction of DC Generator Tutorial 4		1	DM2
24.	12-Aug-15	Construction of DC Generator Tutorial 4		1	DM2
25.	14-Aug-15	Action of Commutator		1	DM1

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
26.	18-Aug-15	EMF Equation of DC Generator		1	DM1
27.	19-Aug-15	Types of DC Generators		1	DM1
28.	21-Aug-15	Problems on DC generators(Tutorial)		1	DM1
29.	22-Aug-15	Magnetization characteristics of DC generators		1	DM1
30.	22-Aug-15	External characteristics of DC shunt generator, DC series generator		1	DM1
31.	25-Aug-15	External characteristics of DC compound generator		1	DM1
32.	26-Aug-15			1	DM1
33.	28-Aug-15	Characteristics of shunt Generator		1	DM1
34.	29-Aug-15	Characteristics of compound Generator:		1	DM1
35.	29-Aug-15	Principle of operation of DC Motor		1	DM1
36.					
37.	01-Sep-15	Significance of Back EMF & Voltage equation of DC Motor		1	DM1
38.	02-Sep-15	Problems on DC motors(Tutorial 5)		1	DM2
39.	04-Sep-15	Necessity of 3-Point starter		1	DM1
40.	08-Sep-15	Assignment/Slip Test on Unit –II		1	DM4
41.	09/08/2015 to 15/08/2015	MID-I			
42.	UNIT III: AC FUNDAMENTALS & TRANSFORMERS				
43.	15-Sep-15	Generation of sinusoidal alternating voltage		1	DM1

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
44.	16-Sep-15	Important AC Terminology, phase and phase difference		1	DM1
45.	18-Sep-15	Peak, Average, RMS, Instantaneous, Peak factor, Form factor		1	DM1
46.	19-Sep-15	Problems on single phase AC circuits		1	DM1
47.	19-Sep-15	Concept of reactance: Tutorial 7		1	DM2
48.	22-Sep-15	Concept of impedance		1	DM1
49.	23-Sep-15	Power factor, Real, Reactive, apparent power		1	DM1
50.	25-Sep-15	Concept of susceptance, Admittance		1	DM1
51.	26-Sep-15	Principle of operation of Single phase Transformer		1	DM1
52.	26-Sep-15	Ideal Transformer: Tutorial 8		1	DM2
53.	29-Sep-15	Emf equation of Transformer		1	DM1
54.	30-Sep-15	Practical transformer		1	DM1
55.	03-Oct-15	Problems on EMF equation of transformer		1	DM1
56.	03-Oct-15	Equivalent circuit of transformer		1	DM1
57.	6-Oct-15	Regulation of transformer: Tutorial 9		1	DM2
58.	7-Oct-15	Open circuit and Short circuit tests		1	DM1
59.	9-Oct-15	Losses and efficiency		1	DM1
60.	13-Oct-15	Problems on regulation		1	DM1
61.	14-Oct-15	Test on Unit –III		1	DM4
62.	UNIT IV: AC MACHINES				

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
63.	16-Oct-15	Principle of Operation of alternator: Tutorial 10		1	DM2
64.	17-Oct-15	Salient pole type rotor		1	DM1
65.	17-Oct-15	Non-salient pole type rotor		1	DM1
66.	27-Oct-15	Principle of operation of alternator on load and under no-load		1	DM1
67.	28-Oct-15	Determination of voltage regulation by synchronous impedance method		1	DM1
68.	30-Oct-15	Problems on voltage regulation of alternator: Tutorial 11		1	DM2
69.	03-Nov-15	Principle of Operation of Induction motor		1	DM1
70.	04-Nov-15	Slip ring and squirrel cage motors		1	DM1
71.	6-Nov-15	Problems on 3-phase induction motors		1	DM1
72.	7-Nov-15	Slip-Torque Characteristics of IM		1	DM1
73.	UNIT V: ELECTRICAL MEASURING INSTRUMENTS				
74.	10-Nov-15	Tutorial 12:Test on Unit –IV		1	DM4
75.	11-Nov-15	Principle of operation and essentials of indicating instruments		1	DM1
76.	13-Nov-15	Controlling torque, Deflecting torque			DM1
77.	14-Nov-15	Working and construction of Permanent magnet moving coil instruments: Tutorial 13		1	DM1
78.	14-Nov-15	Extension of range of PMMC instruments		1	DM1
79.				1	DM2
80.				1	DM1

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods
81.	4-Dec-15	Working and construction of Dynamometer type instruments		1	DM1
82.	5-Dec-15	Working and construction of attraction type moving iron instruments		1	DM1
83.	8-Dec-15	Working and construction of repulsion type moving iron instruments		1	DM1
84.	9-Dec-15	Extending range of MI instruments :Tutorial 14		1	DM2
85.	10-Dec-15	Problems on PMMC and MI instruments		1	DM1
86.	11-Dec-15	Test on Unit –V		1	DM4
87.	12/14/2015 to 12/19/2015	MID II			

NOTE: DELIVERY METHODS:

DM1: Lecture interspersed with discussions/BB

DM2: Tutorial

DM3: Lecture with a quiz

DM4: Assignment/Test

DM5: Demonstration (laboratory, fieldvisit)

DM6: Presentations/PPT

Signature				
	Name of the Faculty	Name of Course Coordinator	Name of Module Co-ordinator	HOD
	Imran Abdul	p. sri hari	K.R.L. Prasad	Dr. M. Uma Vani

Head of the Department

Signature		
Name	Mr. K.Jamilireddy Asst. Professor/FED	HOD Dr. A. Rami Reddy Professor/FED

	<u>ELCS LAB LESSON PLAN</u>	
	Course Code & Course Name : HSP151 - English Language Communication Skills Lab	
	Programme: B. Tech (I-Sem.)	Dept.: I-IT
	A.Y:2015-16	

S. No.	Tentative Date	Topics to be covered	Actual Date	No. of Classes	Delivery Method
1	09-07-2015	General Introduction		3	DM1
2	16-07-2015	JAM		3	DM5&DM8
3	23-07-2015	JAM		3	DM8
4	30-07-2015	JAM		3	DM8
5	06-08-2015	Role play		3	DM5&DM8
6	13-08-2015	Role play		3	DM8
7	20-08-2015	Role play		3	DM8
8	28-08-2015	Information transfer		3	DM5 & DM8
9	03-09-2015	Information transfer		3	DM8
10	10-09-2015	Information transfer		3	DM8

11	24-09-2015	Group Discussions		3	DM6
12	01-10-2015	Group Discussions		3	DM6
13	08-10-2015	Group Discussions		3	DM6
14	15-10-2015	Phonetics		3	DM8 & DM1
15	29-10-2015	Phonetics		3	DM8 & DM1
16	05-11-2015	Phonetics		3	DM8 & DM1
17	12-11-2015	Phonetics		3	DM8 & DM1
18	19-11-2015	LAB Internal Exam		3	

NOTE: DELIVERY METHODS (DM) DM 1 : Lecture interspersed with discussions / BB DM2: Tutorial

DM3: Lecture with a quiz DM4: Assignment / quiz DM5: Demonstration (Laboratory, Field visit)

DM6: Group Discussion DM7: Group assignment / Project DM8: Presentation / PPT DM9:

Asynchronous Discussion.

At the end of course, students attained the CO1,CO2,CO3,etc.....sample proofs are enclosed in course file.

Signature			
	Name of the Faculty	Name of course Co-ordinator	H O D
	Ch.Nagarjuna	Dr. B. Samrajya Lakshmi	Dr. A. Rami Reddy



LESSON PLAN

Course Code& Course Name: Computer Programming Lab (L126)

A.Y: 2015-16

Programme: B.Tech I SEM

Department: IT

Faculty : Dr.S.Naganjaneyulu, K. Anupriya/A.Gopi Suresh

S.NO	CYCLE	Date	List Of Programmes	Signature
1	----	13-07-2015	Introduction to C Programming Lab Syllabus	
1	CYCLE-1	20-07-2015	l) 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. b) Example program which shows the usage of various Operators available in C Language. c) Example programs to illustrate the order of evaluation.	
2		27-07-2015		
3	CYCLE-2	03-08-2015	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. 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.	
		10-08-2015		
4	CYCLE-3	17-08-2015	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		24-08-2015	d) To find whether given number is strong number (or) not.	
6		31-08-2015	e) To check whether given number is Prime (or) not f) To display prime numbers with in the given range(Nesting of Loops).	
7	CYCLE-4	21-09-2015	Write example programs in C Language to perform following operations a) Finding the sum and average of given numbers using Arrays. 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.	
8		28-09-2015	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.	
		05-10-2015	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	12-10-2015	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		26-10-2015	c) Write a program to find sum of the elements of the array using functions.	

11	CYCLE-6	26-10-2015	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		02-11-2015	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	02-11-2015	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		09-11-2015	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	16-11-2015	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		23-11-2015	Lab Internal	

Faculty Names & Signatures :

1. Dr.S.Naganjaneyulu

2. K.Anupriya

3 A.Gopi Suresh

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. Lavanya, A. Gopi Suresh**
Lab Code : **L175**

S.No	Cycle	Date	List of Programmes
1	Cycle-1	07-10-2015	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		17/07/2015	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	24/07/2015	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	31/07/2015	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		08-07-2015	12. Design a flowchart to print prime numbers from 1 to N(N must be the value provided by user
6		14/08/2015	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	21/08/2015	15. Design a flowchart to print Fibonacci series. 16. Design a flowchart to print number pattern
8		28/08/2015	LAB INTERNAL-1
9	Cycle-5	09-11-2015	17. Design a flowchart to illustrate the concept of accepting values into arrays a flowchart to perform sum of elements in an array.
10		18/09/2015	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	25/09/2015	21. Design a flowchart to illustrate the concept of recursive functions.
12		10-09-2015	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	16/10/2015	Using Excel: Accessing, Overview of tool bars, Saving Excel files Generating Appropriate charts for the statistical data using MS-Excel.
14	Cycle-8	30/10/2015	LOOKUP/VLOOKUP Performance Analysis: Split cells, freeze panes, group and outline, Boolean and logical operators, conditional formatting.
15	Cycle-9	11-07-2015	Create a PowerPoint for a simple technical topic using MS PowerPoint.
16	14/11/2015		LAB INTERNAL-2

Faculty Names & Signatures :

1. K. Rajasekhar

2. K. Lavanya

3 A. Gopi Suresh

Head of the Department

