



LESSON PLAN

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

SEM: I

Programme: B.Tech, I Year

Department: CSE

Name of Faculty: D.PAVANI

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

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods	Remarks
UNIT-I						
1.	08-07-2015	Subject introduction	01/08/2015	1	DM1	
2.	10-07-2015	Introduction to syllabus	03/08/2015	1	DM1	
3.	11-07-2015	Unit 1 Introduction	05/08/2015	1	DM1	
4.	13-07-2015	Basic definitions of Electrical circuits	06/08/2015	1	DM9	
5.	16-07-2015	Types of elements and Examples	08/08/2015	1	DM1	
6.	17-07-2015	Series circuits & Voltage division rule	23/08/2015	1	DM1	
7.	20-07-2015	Parallel circuits & current division rule	10/08/2015	1	DM1	
8.	21-07-2015	Series and parallel problems	12/08/2015	1	DM1	
9.	23-07-2015	Source Transformation technique	13/08/2015	1	DM1	
10.	28-07-2015	Mesh analysis	17/08/2015	1	DM1	
11.	29-07-2015	Delta-star transformations	19/08/2015	1	DM1	
12.	31-07-2015	Star-delta transformations	20/08/2015	1	DM1	
13.	30-07-2015	Problems on unit-1	22/08/2015	1	DM1	
14.	31-07-2015	Tutorial	24/08/2015	1	DM2	
UNIT II						
15.	03/08/2015	Unit 2 Introduction	26/08/2015	1	DM1	
16.	05/08/2015	Construction of DC Generator	27/08/2015	1	DM1	
17.	06/08/2015	Principle of Operation of DC Generator	29/08/2015	1	DM1	
18.	08/08/2015	EMF Equation of DC Generator	31/08/2015	1	DM1	
19.	23/08/2015	Types of DC Machines	31/08/2015	1	DM1	
20.	10/08/2015	Tutorial	02/09/2015	1	DM1	

21.	12/08/2015	Principle of operation of DC Motor	03/09/2015	1	DM1	
22.	13/08/2015	Types of DC Motors	03/09/2015	1	DM1	
23.	17/08/2015	Losses of DC Machines	05/09/2015	1	DM1	
24.	19/08/2015	efficiency of DC machines	07/09/2015	1	DM1	
25.	20/08/2015	3 point starter	07/09/2015	1	DM1	
26.	22/08/2015	Magnetization & Load characteristics	08/09/2015	1	DM1	
27.	24/08/2015	tutorial	08/09/2015	1	DM1	
28.	26/08/2015	Problems on second unit	16/09/2015	1	DM2	
UNIT-III						
29.	27/08/2015	Introduction to UNIT-III	19/09/2015	1	DM1	
30.	29/08/2015	Basic Definitions	21/09/2015	1	DM1	
31.	31/08/2015	Analysis of periodic waveforms	21/09/2015	1	DM1	
32.	02/09/2015	Concepts of Impedance& Admittance	23/09/2015	1	DM1	
33.	03/09/2015	Powers classification	24/09/2015	1	DM1	
34.	05/09/2015	Power factor & Problems	26/09/2015	1	DM1	
35.	07/09/2015	Tutorial	28/09/2015	1	DM2	
36.	16/09/2015	Principle of Operation of 1phase Transformers	30/09/2015	1	DM1	
37.	19/09/2015	Ideal Transformer	01/10/2015	1	DM1	
38.	21/09/2015	Practical Transformer	03/10/2015	2	DM1	
39.	23/09/2015	EMF Equation	05/10/2015	1	DM4	
40.	26/09/2015	Regulation-O.C and S.C tests	07/10/2015	1	DM1	
41.	28/09/2015	Tutorial	08/10/2015	1	DM2	
42.	30/09/2015	problems on transformer	10/10/2015	1	DM1	
43.	01/10/2015	TEST ON Unit3	12/10/2015	2	DM4	
UNIT-IV						
44.	03/10/2015	Unit -IV Introduction	14/10/2015	1	DM1	
45.	05/10/2015	Fundamentals of Alternating current	15/10/2015	1	DM1	
46.	07/10/2015	Principle of operation of Alternators	17/10/2015	1	DM1	
47.	08/10/2015	Salient and non salient pole rotors	26/10/2015	1	DM1	
48.	10/10/2015	Voltage regulation by EMF Method	26/10/2015	1	DM1	
49.	12/10/2015	Tutorial	28/10/2015	1	DM2	
50.	14/10/2015	Problems on regulation	29/10/2015	1	DM1	
51.	15/10/2015	Introduction about Induction Motors	31/10/2015	1	DM1	
52.	17/10/2015	Principle of operation of IM	2/11/2015	1	DM1	
53.	26/10/2015	Slip ring motors	4/11/2015	1	DM1	
54.	28/10/2015	Squirrel cage motors	05/11/2015	1	DM1	
55.	29/10/2015	Slip torque characteristics	07/11/2015	1	DM1	
56.	31/10/2015	tutorial	09/11/2015	1	DM2	
57.	02/11/2015	Test on Unit IV	09/11/2015	1	DM4	
UNIT-V						
58.	04/11/2015	UNIT V Introduction	10/11/2015	1	DM1	

59.	05/11/2015	Basics about EMI	11/11/2015	1	DM1	
60.	07/11/2015	Principles of Indicating instruments		1	DM1	
61.	08/11/2015	PMMC Instruments	11/11/2015	1	DM1	
62.	9/11/2015	Moving Iron instruments	12/11/2015	1	DM4	
63.	9/11/2015	Tutorial	12/11/2015	1	DM2	
64.	10/11/2015	TEST ON UNIT V	13/11/2015	1	DM1	
65.	10/11/2015	REVISION	13/11/2015	1	DM9	
66.	11/11/2015	REVISION	13/11/2015	1	DM4	
67.	11/11/2015	REVISION	13/11/2015	1	DM2	
68.	12/11/2015	REVISION	13/11/2015	1	DM9	
69.	13/11/2015	REVISION	13/11/2015	1	DM9	

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
	D.PAVANI	K.S.L.LAVANYA	J.SIVA VARA PRASAD	Dr. M. Uma Vani

Head of the Department



LESSON PLAN

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

SEM: I

Programme: B.Tech, I Year

Department: CSE

Name of Faculty: K.S.L.LAVANYA

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:

S No.	Tentative Date	Topics to be covered	Actual Date	Num. of classes	Content Delivery Methods	Remarks
UNIT-I						
35.	08-07-2015	Subject introduction	01/08/2015	1	DM1	
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37.	11-07-2015	Unit 1 Introduction	05/08/2015	1	DM1	
38.	13-07-2015	Basic definitions of Electrical circuits	06/08/2015	1	DM9	
39.	16-07-2015	Types of elements and Examples	08/08/2015	1	DM1	
40.	17-07-2015	Series circuits & Voltage division rule	23/08/2015	1	DM1	
41.	20-07-2015	Parallel circuits & current division rule	10/08/2015	1	DM1	
42.	21-07-2015	Series and parallel problems	12/08/2015	1	DM1	
43.	23-07-2015	Source Transformation technique	13/08/2015	1	DM1	
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45.	29-07-2015	Delta-star transformations	19/08/2015	1	DM1	
46.	31-07-2015	Star-delta transformations	20/08/2015	1	DM1	
47.	30-07-2015	Problems on unit-1	22/08/2015	1	DM1	
48.	31-07-2015	Tutorial	24/08/2015	1	DM2	
UNIT II						
49.	03/08/2015	Unit 2 Introduction	26/08/2015	1	DM1	
50.	05/08/2015	Construction of DC Generator	27/08/2015	1	DM1	
51.	06/08/2015	Principle of Operation of DC Generator	29/08/2015	1	DM1	
52.	08/08/2015	EMF Equation of DC Generator	31/08/2015	1	DM1	

53.	23/08/2015	Types of DC Machines	31/08/2015	1	DM1	
54.	10/08/2015	Tutorial	02/09/2015	1	DM1	
55.	12/08/2015	Principle of operation of DC Motor	03/09/2015	1	DM1	
56.	13/08/2015	Types of DC Motors	03/09/2015	1	DM1	
57.	17/08/2015	Losses of DC Machines	05/09/2015	1	DM1	
58.	19/08/2015	efficiency of DC machines	07/09/2015	1	DM1	
59.	20/08/2015	3 point starter	07/09/2015	1	DM1	
60.	22/08/2015	Magnetization & Load characteristics	08/09/2015	1	DM1	
61.	24/08/2015	tutorial	08/09/2015	1	DM1	
62.	26/08/2015	Problems on second unit	16/09/2015	1	DM2	
UNIT-III						
63.	27/08/2015	Introduction to UNIT-III	19/09/2015	1	DM1	
64.	29/08/2015	Basic Definitions	21/09/2015	1	DM1	
65.	31/08/2015	Analysis of periodic waveforms	21/09/2015	1	DM1	
66.	02/09/2015	Concepts of Impedance & Admittance	23/09/2015	1	DM1	
67.	03/09/2015	Powers classification	24/09/2015	1	DM1	
68.	05/09/2015	Power factor & Problems	26/09/2015	1	DM1	
35.	07/09/2015	Tutorial	28/09/2015	1	DM2	
36.	16/09/2015	Principle of Operation of 1phase Transformers	30/09/2015	1	DM1	
37.	19/09/2015	Ideal Transformer	01/10/2015	1	DM1	
38.	21/09/2015	Practical Transformer	03/10/2015	2	DM1	
39.	23/09/2015	EMF Equation	05/10/2015	1	DM4	
40.	26/09/2015	Regulation-O.C and S.C tests	07/10/2015	1	DM1	
41.	28/09/2015	Tutorial	08/10/2015	1	DM2	
42.	30/09/2015	problems on transformer	10/10/2015	1	DM1	
43.	01/10/2015	TEST ON Unit3	12/10/2015	2	DM4	
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44.	03/10/2015	Unit -IV Introduction	14/10/2015	1	DM1	
45.	05/10/2015	Fundamentals of Alternating current	15/10/2015	1	DM1	
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47.	08/10/2015	Salient and non salient pole rotors	26/10/2015	1	DM1	
48.	10/10/2015	Voltage regulation by EMF Method	26/10/2015	1	DM1	
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51.	15/10/2015	Introduction about Induction Motors	31/10/2015	1	DM1	
52.	17/10/2015	Principle of operation of IM	2/11/2015	1	DM1	
53.	26/10/2015	Slip ring motors	4/11/2015	1	DM1	
54.	28/10/2015	Squirrel cage motors	05/11/2015	1	DM1	
55.	29/10/2015	Slip torque characteristics	07/11/2015	1	DM1	
56.	31/10/2015	tutorial	09/11/2015	1	DM2	
57.	02/11/2015	Test on Unit IV	09/11/2015	1	DM4	

UNIT-V						
58.	04/11/2015	UNIT V Introduction	10/11/2015	1	DM1	
59.	05/11/2015	Basics about EMI	11/11/2015	1	DM1	
60.	07/11/2015	Principles of Indicating instruments		1	DM1	
61.	08/11/2015	PMMC Instruments	11/11/2015	1	DM1	
62.	9/11/2015	Moving Iron instruments	12/11/2015	1	DM4	
63.	9/11/2015	Tutorial	12/11/2015	1	DM2	
64.	10/11/2015	TEST ON UNIT V	13/11/2015	1	DM1	
65.	10/11/2015	REVISION	13/11/2015	1	DM9	
66.	11/11/2015	REVISION	13/11/2015	1	DM4	
67.	11/11/2015	REVISION	13/11/2015	1	DM2	
68.	12/11/2015	REVISION	13/11/2015	1	DM9	
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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
	K.S.L.LAVANYA	K.S.L.LAVANYA	J.SIVA VARA PRASAD	Dr. M. Uma Vani

Head of the Department



COs and CEOs

Department: COMPUTER SCIENCE AND ENGINEERING **Program: B.Tech**
Course : – ITWS LAB SEC A **SEM: I** **Academic Year : 2015-16**

1. Pre-requisites: -NIL-

2. Course Educational Objectives (CEOs):

In this course student will learn about

After completing this course, students will be able to identify the basic peripherals, understand the process of assembling a personal computer and installation of the system software like MS Windows, Create professional word documents using excel spread sheets and power point presentations

Course Outcomes (COs): At the end of the course, the student will be able to :

- 1) Develop skill in S/W and H/W trouble shooting, and solve the problems of assembling and OS installation.
- 2) Develop skill in using office suite.

4. Course Articulation Matrix:

Course Code	COs	Programme Outcomes												PSOs		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
17CI61	CO1					1				2			2	1		
	CO2					3					3		2	1		
	CO3					3					3		2	1		
		1 = Slight (Low)				2 = Moderate (Medium)				3-Substantial(High)						

3. Course Delivery Plan:

S.NO	TOPIC TO BE COVERED	No.of Classes		Date	DM
		As per the Schedule	Taken		
1	Introduction computer	3	3	16-7-2015	2,5
2	Introduction to It workshop	3	3	23-7-2015	2,5
3	PC Hardware	3	3	30-7-2015	2,5
4	OS Installation	3	3	13-8-2015	2,5
5	Troubleshooting	3	3	20-08-2015	2,5
6	Word Orientation	3	3	19-09-2015	2,5
7	Excel Orientation	3	3	01-10-2015	2,5
8	power point Orientation	3	3	15-10-2015	2,5
9	photo shop Orientation	3	3	29-10-2015	2,5
10	Blog creation	3	3	05-11-2015	2,5
11	Tips and tricks	3	3	12-11-2015	2,5
12	Practice Lab	3	3	19-11-2015	2,5
13	Internal Lab Exam	3	3	24-11-2015	2,5

Delivery Methods (DM):

1. Chalk & Talk
2. ICT Tools
3. Tutorial
4. Assignment/Test/Quiz
5. Laboratory/Field Visit
6. Web based learning.

	Course Instructor	Course Coordinator	Module Coordinator	HOD
Signature				
Name of the Faculty	B SIVARAMAKRISHNA	B SIVARAMAKRISHNA		Dr. N Ravi Shankar



COs and CEOs

Department: COMPUTER SCIENCE AND ENGINEERING
Course : - ITWS LAB SEC A

SEM: I

Program: B.Tech
Academic Year : 2015-16

4. Pre-requisites: -NIL-

5. Course Educational Objectives (CEOs):

In this course student will learn about

After completing this course, students will be able to identify the basic peripherals, understand the process of assembling a personal computer and installation of the system software like MS Windows, Create professional word documents using excel spread sheets and power point presentations

Course Outcomes (COs): At the end of the course, the student will be able to :

- 3) Develop skill in S/W and H/W trouble shooting, and solve the problems of assembling and OS installation.
- 4) Develop skill in using office suite.

4. Course Articulation Matrix:

Course Code	COs	Programme Outcomes												PSOs		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
17CI61	CO1					1				2			2	1		
	CO2					3					3		2	1		
	CO3					3					3		2	1		
		1 = Slight (Low)				2 = Moderate (Medium)				3-Substantial(High)						


6. Course Delivery Plan:

S.NO	TOPIC TO BE COVERED	No.of Classes		Date	DM
		As per the Schedule	Taken		
1	Introduction computer	3	3	16-7-2015	2,5
2	Introduction to It workshop	3	3	23-7-2015	2,5
3	PC Hardware	3	3	30-7-2015	2,5
4	OS Installation	3	3	4-8-2015	2,5
5	Troubleshooting	3	3	18-8-2015	2,5
6	Word Orientation	3	3	25-8-2015	2,5
7	Excel Orientation	3	3	19-9-2015	2,5
8	power point Orientation	3	3	22-9-2015	2,5
9	photo shop Orientation	3	3	6-10-2015	2,5
10	Blog creation	3	3	27-10-2015	2,5
11	Tips and tricks	3	3	2-11-2015	2,5
12	Practice Lab	3	3	10-11-2015	2,5
13	Internal Lab Exam	3	3	24-11-2015	2,5

Delivery Methods (DM):

1. Chalk & Talk
2. ICT Tools
3. Tutorial
4. Assignment/Test/Quiz
5. Laboratory/Field Visit
6. Web based learning.

	Course Instructor	Course Coordinator	Module Coordinator	HOD
Signature				
Name of the Faculty	B SIVARAMAKRISHNA	B SIVARAMAKRISHNA		Dr. N Ravi Shankar

	LESSON PLAN	SEM:1	
		Department: C.S.E-A	
		Section: A	
	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	DM4

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	DM4
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	Pillingbedworth rule 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	DM4
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	DM4
72	2.11.15	Assignment		1	DM4
Unit-5					
73	2.11.15	Goals of green chemistry		1	DM1
74	4.11.15	Alternative starting materials,		1	DM1
75	5.11.15	Alternative reagents		1	DM1
76	7.11.15	Alternative reaction conditions & final products		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	DM4
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
	Dr.V.Parvathi	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	SEM:1
		Department: C.S.E-B
		Section: A
	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
Unit-1					
1	9.7.15	Orientation class-1		1	DM1.
2	10.7.15	Orientation class-2		1	DM1
3	11.7.15	Orientation class-3		1	DM1
4	13.7.15	Orientation class-4		1	DM1
5	14.7.15	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	17.7.15	Types Hardness, Units of hardness - inter-conversions		1	DM1
8	20.7.15	Hardness problems		1	DM1
9	21.7.15	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	30.7.15	L.S process, principle and equations		1	DM1
15	31.7.15	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	6.8.15	Electro dialysis. reverse osmosis		1	DM1
20	6.8.15	Revision for late joiners		1	DM1
21	7.8.15	Revision for late joiners		1	DM1
22	10.8.15	Revision for late joiners		1	DM1
23	11.8.15	Quiz		1	DM4

24	13.8.15	Assignment		1	DM4
UNIT-2					
25	14.8.15	S,L,G fuels merit & demerits		1	DM1
26	17.8.15	G.C.V,L.C.V Definitions coal, its origin, types.		1	DM1
27	18.8.15	Proximate analysis, significance		1	DM1
28	20.8.15	Ultimate analysis, significance		1	DM1
29	21.8.15	Tutorial		1	DM2
30	22.8.15	Refining of petroleum, cracking		1	DM1
31	25.8.15	Fixed bed ,moving bed cracking methods		1	DM1
32	27.8.15	Fischer Tropschs & Bergius process		1	DM1
33	28.8.15	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	DM4
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	10.9.15	1 Mid examination			
42	11.9.15	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	18.9.15	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	25.9.15	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	1.10.15	Inter granular, stress corrosion ,soil corrosion		1	DM1
55	3.10.15	Factors influencing corrosion		1	DM1
56	4.10.15	Corrosion control		1	DM1

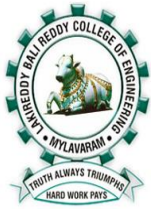
57	6.10.15	Tutorial		1	DM2
58	8.10.15	Quiz		1	DM4
59	9.10.15	Assignment		1	DM4
Unit-4					
60	12.10.15	Basic terminology of polymers		1	DM1
61	13.10.15	Types of polymerization		1	DM1
62	15.10.15	P.V.C, Teflon,		1	DM1
63	16.10.15	Bakelite, PMMA		1	DM1
64	17.10.15	Tutorial		1	DM2
65	26.10.15	Conducting polymers		1	DM1
66	27.10.15	Conducting polymers		1	DM1
67	26.10.15	Processing of natural rubber		1	DM1
68	28.10.15	BUNA-S, BUNA-N, Thiokal		1	DM1
69	29.10.15	Polyester & F.R.P		1	DM1
70	30.10.15	Tutorial		1	DM2
71	31.10.15	Quiz		1	DM4
72	2.11.15	Assignment		1	DM4
Unit-5					
73	3.11.15	Goals of green chemistry		1	DM1
74	5.11.15	Alternative starting materials,		1	DM1
75	6.11.15	Alternative reagents & final products		1	DM1
76	7.11.15	Alternative reaction conditions		1	DM1
77	9.11.15	Liquid crystals –An introduction		1	DM1
78	10.11.15	Classification of liquid crystals		1	DM2
79	12.11.15	Classification of liquid crystals		1	DM1
80	13.11.15	Applications of liquid crystals		1	DM1
81	16.11.15	Applications of liquid crystals		1	DM1
82	17.11.15	Tutorial		1	DM2
83	19.11.15	Quiz		1	DM4
84	20.11.15	Assignment		1	DM4
85	21.11.15	Topics beyond syllabus		1	DM1
86	23.11.15	Topics beyond syllabus		1	DM1
87	24.11.15	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
	Dr.V.Parvathi	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.



LAB SCHEDULE

Date: 08-07-15

Sub Name: Engg. Chemistry LAB

To 26-11-15

Faculty Name: S.VIJAYADASARADHA Branch: CSE-B

Class: I B.Tech

Semester: I

No. of Periods	Date	Lab Cycles	Signature
1.	11-07-15	Introduction of lab syllabus	
2.	25-07-15	Demonstration of volumetric analysis,	
3.	01-08-15	Model experiment	
4.	08-08-15	Determination of alkalinity of water sample	
5.	22-08-15	Determination of total Hardness of water by EDTA method	
6.	29-08-15	Determination of permanent hardness of water by EDTA method	
7.	19-09-15	Revision for late joining students	
8.	26-09-15	Determination of the amount of Oxalic acid and Sulphuric acid in 1 liter solution by using given standard Sodium Hydroxide and Potassium Permanganate solution.	
9.	03-10-15	Estimation of Mohr's salt by using potassium permanganate.	
10.	17-10-15	Determination of amount of potassium dichromate in given solution by using sodium thiosulphate	
11.	31-10-15	Preparation of Urea formaldehyde resin and Preparation of Phenol formaldehyde resin	
12.	07-11--15	Lab Internal examination (first 30 students)	
13.	21-11-15	Lab Internal examination (last 30 students)	

No. of Periods	Date	Lab Cycles	Signature
14.	11-07-15	Introduction of lab syllabus	
15.	25-07-15	Demonstration of volumetric analysis,	
16.	01-08-15	Model experiment	
17.	08-08-15	Determination of alkalinity of water sample	
18.	22-08-15	Determination of total Hardness of water by EDTA method	
19.	29-08-15	Determination of permanent hardness of water by EDTA method	

20.	19-09-15	Revision for late joining students	
21.	26-09-15	Determination of the amount of Oxalic acid and Sulphuric acid in 1 liter solution by using given standard Sodium Hydroxide and Potassium Permanganate solution.	
22.	03-10-15	Estimation of Mohr's salt by using potassium permanganate.	
23.	17-10-15	Determination of amount of potassium dichromate in given solution by using sodium thiosulphate	
24.	31-10-15	Preparation of Urea formaldehyde resin and Preparation of Phenol formaldehyde resin	
25.	07-11--15	Lab Internal examination (first 30 students)	
26.	21-11-15	Lab Internal examination (last 30 students)	

	Prepared by	Approved by
Signature		
Name		HOD Dr. A. Rami Reddy Professor/FED

**LAKIREDDY BALI REDDY COLLEGE OF
ENGINEERING
(Autonomous)**

**L.B. Reddy Nagar, Mylavaram – 521 230
Freshmen engineering Department
Applied Mathematics-I, Lesson Plan**

Faculty Name : Ch.Chaitanya

Date: 08/07/15

Branch : I B. Tech. – CSEA

Semester: I

Subject & Code : Applied Mathematics- I, BST 102

A.Y.:2015-2016

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	09-07-2015	Differential equations of first order and first degree		1	DM1
3	10-07-2015	Separation of variables		1	DM1
4	13-07-2015	Homogeneous differential equations		1	DM1
5	14-07-2015	Non Homogeneous differential equations		1	DM1
6	15-07-2015	Exact differential equations		1	DM1
7	16-07-2015	TUTORIAL 1		1	DM2
8	17-07-2015	Non Exact differential equations, Type I		1	DM1
9	20-07-2015	Non Exact differential equations, Type II		1	DM1
10	21-07-2015	Non Exact differential equations, Type III		1	DM1
11	22-07-2015	Non Exact differential equations, Type IV		1	DM1
12	23-07-2015	TUTORIAL 2		1	DM2

13	24-07-2015	Linear differential equations		1	DM1
14	25-07-2015	Bernoulli's Linear differential equations		1	DM1
15	27-07-2015	Non-linear differential equations		1	DM1
16	28-07-2015	Orthogonal Trajectories in cartesian form		1	DM1
17	29-07-2015	Orthogonal Trajectories in polar form		1	DM1
18	30-07-2015	TUTORIAL 3		1	DM2
19	31-07-2015	Self orthogonal trajectories		1	DM1
20	01-08-2015	Simple LCR circuits		1	DM1
UNIT II					
21	03-08-2015	Quiz on UNIT I		1	DM2
22	04-08-2015	Homogeneous Linear Differential equations		1	DM1
23	05-08-2015	Non Homogeneous and R.H.S of the form e^{ax}		1	DM1
24	06-08-2015	TUTORIAL 4		1	DM2
25	07-08-2015	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$		1	DM1
26	10-08-2015	Non Homogeneous and R.H.S of the form $e^{ax} v(x)$		1	DM1
27	11-08-2015	Non Homogeneous and R.H.S of the form polynomial in x		1	DM1
28	12-08-2015	Non Homogeneous and R.H.S of the term $xv(x)$		1	DM1
29	13-08-2015	TUTORIAL 5		1	DM2
30	14-08-2015	Assignment in UNIT I		1	DM4
31	17-08-2015	Non Homogeneous and R.H.S of the term $x^k v(x)$		1	DM1
32	18-08-2015	TUTORIAL 6		1	DM2
33	19-08-2015	Method of Variation of Parameters		1	DM1
34	20-08-2015	TUTORIAL 7		1	DM2
35	21-08-2015	Cauchy's equation		1	DM1
36	22-08-2015	Cauchy's equation		1	DM1
37	24-08-2015	Legendre's Equation		1	DM1

38	25-08-2015	Applications of Linear differential equations		1	DM1
39	26-08-2015	Applications of Linear differential equations		1	DM1
40	27-08-2015	TUTORIAL 8		1	DM2
41	28-08-2015	Applications of Linear differential equations		1	DM1
42	29-08-2015	Assignment in Unit II		1	DM4
43	31-08-2015	TUTORIAL 9		1	DM2
UNIT IV					
44	01-09-2015	Matrices Introduction and definitions		1	DM1
45	02-09-2015	Quiz on Unit II		1	DM2
46	03-09-2015	TUTORIAL 10		1	DM2
47	04-09-2015	Rank of a matrix, Problems		1	DM1
48	07-09-2015	Echelon Form		1	DM1
49	08-09-2015	Normal form		1	DM1
50	16-09-2015	Normal form through PAQ		1	DM1
51	18-09-2015	System of Homogeneous equations		1	DM1
52	19-09-2015	Solutions of linear non-homogeneous equations		1	DM1
53	21-09-2015	Gauss Elimination Method		1	DM1
54	22-09-2015	Gauss Jordan Method		1	DM1
55	23-09-2015	Consistency and Inconsistency of equations		1	DM1
56	24-09-2015	TUTORIAL 11		1	DM2
57	25-09-2015	Gauss Seidal Method		1	DM1
58	26-09-2015	Quiz on Unit IV		1	DM2
59	28-09-2015	TUTORIAL 12		1	DM2
60	29-09-2015	Jacobi Method		1	DM1
61	30-09-2015	Assignment in UNIT IV		1	DM4
UNIT 5					

62	01-10-2015	TUTORIAL 13		1	DM2
63	03-10-2015	Eigen values and Eigen vectors		1	DM1
64	05-10-2015	Problems to find Eigen vectors		1	DM1
65	06-10-2015	Problems to find Eigen vectors		1	DM1
66	07-10-2015	Properties		1	DM1
67	08-10-2015	TUTORIAL 14		1	DM2
68	09-10-2015	Cayley Hamilton Theorem		1	DM1
69	12-10-2015	Problems on C-H theorem		1	DM1
70	14-10-2015	Quiz on Unit V		1	DM2
71	15-10-2015	TUTORIAL 15		1	DM2
72	16-10-2015	Assignment in UNIT V		1	DM4
UNIT 3					
73	17-10-2015	Introduction to Mean Value theorems		1	DM1
74	26-10-2015	Functional of Several Variables		1	DM1
75	27-10-2015	Generalized Mean Value Theorem		1	DM1
76	28-10-2015	TUTORIAL 16		1	DM2
77	29-10-2015	TUTORIAL 17		1	DM2
78	30-10-2015	Taylor's series		1	DM1
79	31-10-2015	Maclaurin's series		1	DM1
80	02-11-2015	Jacobians		1	DM1
81	03-11-2015	Functional Dependence		1	DM1
82	04-11-2015	TUTORIAL 18		1	DM2
83	05-11-2015	Maxima and Minima of functions of two variables		1	DM1
84	06-11-2015	Maxima and Minima of functions of two variables		1	DM1
85	07-11-2015	Lagrange's Multiplier Method		1	DM1
86	09-11-2015	Lagrange's Multiplier Method		1	DM1

87	10-11-2015	Introduction to Partial Differential Equations		1	DM1
88	12-11-2015	TUTORIAL 19		1	DM2
89	13-11-2015	Formation of P.D.E. by eliminating arbitrary constants		1	DM1
90	16-11-2015	Formation of P.D.E. by eliminating arbitrary functions		1	DM1
91	17-11-2015	TUTORIAL 20		1	DM2
92	18-11-2015	TUTORIAL 21		1	DM2
93	19-11-2015	Solutions of first order linear equations		1	DM1
94	20-11-2015	Lagrangian method		1	DM1
95	21-11-2015	Lagrangian method		1	DM2
96	23-11-2015	Assignment in UNIT III		1	DM4
97	24-11-2015	Quiz on Unit III		1	DM2
98	25-11-2015	TUTORIAL 22		1	DM2
		Total Number of classes available as per academic calendar		98	
		Total Number of classes required to complete the syllabus		98	

Signature		
	Name of the Faculty	Name of the Course Co-ordinator
	Ch.Chaitanya	Dr. A. RAMIREDDY
		HOD

**LAKIREDDY BALI REDDY COLLEGE OF
ENGINEERING
(Autonomous)**

**L.B. Reddy Nagar, Mylavaram – 521 230
Freshmen engineering Department
Applied Mathematics-I, Lesson Plan**

Faculty Name : D. Vijay Kumar

Date: 08/07/15

Branch : I B. Tech. – CSEB

Semester: I

Subject & Code : Applied Mathematics- I, BST 102

A.Y.:2015-2016

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	09-07-2015	Differential equations of first order and first degree		1	DM1
3	10-07-2015	Separation of variables		1	DM1
4	13-07-2015	Homogeneous differential equations		1	DM1
5	14-07-2015	Non Homogeneous differential equations		1	DM1
6	15-07-2015	Exact differential equations		1	DM1
7	16-07-2015	TUTORIAL 1		1	DM2
8	17-07-2015	Non Exact differential equations, Type I		1	DM1
9	20-07-2015	Non Exact differential equations, Type II		1	DM1
10	21-07-2015	Non Exact differential equations, Type III		1	DM1
11	22-07-2015	Non Exact differential equations, Type IV		1	DM1
12	23-07-2015	TUTORIAL 2		1	DM2

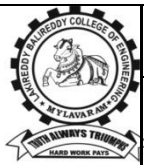
13	24-07-2015	Linear differential equations		1	DM1
14	25-07-2015	Bernoulli's Linear differential equations		1	DM1
15	27-07-2015	Non-linear differential equations		1	DM1
16	28-07-2015	Orthogonal Trajectories in cartesian form		1	DM1
17	29-07-2015	Orthogonal Trajectories in polar form		1	DM1
18	30-07-2015	TUTORIAL 3		1	DM2
19	31-07-2015	Self orthogonal trajectories		1	DM1
20	01-08-2015	Simple LCR circuits		1	DM1
UNIT II					
21	03-08-2015	Quiz on UNIT I		1	DM2
22	04-08-2015	Homogeneous Linear Differential equations		1	DM1
23	05-08-2015	Non Homogeneous and R.H.S of the form e^{ax}		1	DM1
24	06-08-2015	TUTORIAL 4		1	DM2
25	07-08-2015	Non Homogeneous and R.H.S of the form $\sin ax$ or $\cos ax$		1	DM1
26	10-08-2015	Non Homogeneous and R.H.S of the form $e^{ax} v(x)$		1	DM1
27	11-08-2015	Non Homogeneous and R.H.S of the form polynomial in x		1	DM1
28	12-08-2015	Non Homogeneous and R.H.S of the term $xv(x)$		1	DM1
29	13-08-2015	TUTORIAL 5		1	DM2
30	14-08-2015	Assignment in UNIT I		1	DM4
31	17-08-2015	Non Homogeneous and R.H.S of the term $x^k v(x)$		1	DM1
32	18-08-2015	TUTORIAL 6		1	DM2
33	19-08-2015	Method of Variation of Parameters		1	DM1
34	20-08-2015	TUTORIAL 7		1	DM2
35	21-08-2015	Cauchy's equation		1	DM1
36	22-08-2015	Cauchy's equation		1	DM1
37	24-08-2015	Legendre's Equation		1	DM1

38	25-08-2015	Applications of Linear differential equations		1	DM1
39	26-08-2015	Applications of Linear differential equations		1	DM1
40	27-08-2015	TUTORIAL 8		1	DM2
41	28-08-2015	Applications of Linear differential equations		1	DM1
42	29-08-2015	Assignment in Unit II		1	DM4
43	31-08-2015	TUTORIAL 9		1	DM2
UNIT IV					
44	01-09-2015	Matrices Introduction and definitions		1	DM1
45	02-09-2015	Quiz on Unit II		1	DM2
46	03-09-2015	TUTORIAL 10		1	DM2
47	04-09-2015	Rank of a matrix, Problems		1	DM1
48	07-09-2015	Echelon Form		1	DM1
49	08-09-2015	Normal form		1	DM1
50	16-09-2015	Normal form through PAQ		1	DM1
51	18-09-2015	System of Homogeneous equations		1	DM1
52	19-09-2015	Solutions of linear non-homogeneous equations		1	DM1
53	21-09-2015	Gauss Elimination Method		1	DM1
54	22-09-2015	Gauss Jordan Method		1	DM1
55	23-09-2015	Consistency and Inconsistency of equations		1	DM1
56	24-09-2015	TUTORIAL 11		1	DM2
57	25-09-2015	Gauss Seidal Method		1	DM1
58	26-09-2015	Quiz on Unit IV		1	DM2
59	28-09-2015	TUTORIAL 12		1	DM2
60	29-09-2015	Jacobi Method		1	DM1
61	30-09-2015	Assignment in UNIT IV		1	DM4
UNIT 5					

62	01-10-2015	TUTORIAL 13		1	DM2
63	03-10-2015	Eigen values and Eigen vectors		1	DM1
64	05-10-2015	Problems to find Eigen vectors		1	DM1
65	06-10-2015	Problems to find Eigen vectors		1	DM1
66	07-10-2015	Properties		1	DM1
67	08-10-2015	TUTORIAL 14		1	DM2
68	09-10-2015	Cayley Hamilton Theorem		1	DM1
69	12-10-2015	Problems on C-H theorem		1	DM1
70	14-10-2015	Quiz on Unit V		1	DM2
71	15-10-2015	TUTORIAL 15		1	DM2
72	16-10-2015	Assignment in UNIT V		1	DM4
UNIT 3					
73	17-10-2015	Introduction to Mean Value theorems		1	DM1
74	26-10-2015	Functional of Several Variables		1	DM1
75	27-10-2015	Generalized Mean Value Theorem		1	DM1
76	28-10-2015	TUTORIAL 16		1	DM2
77	29-10-2015	TUTORIAL 17		1	DM2
78	30-10-2015	Taylor's series		1	DM1
79	31-10-2015	Maclaurin's series		1	DM1
80	02-11-2015	Jacobians		1	DM1
81	03-11-2015	Functional Dependence		1	DM1
82	04-11-2015	TUTORIAL 18		1	DM2
83	05-11-2015	Maxima and Minima of functions of two variables		1	DM1
84	06-11-2015	Maxima and Minima of functions of two variables		1	DM1
85	07-11-2015	Lagrange's Multiplier Method		1	DM1
86	09-11-2015	Lagrange's Multiplier Method		1	DM1

87	10-11-2015	Introduction to Partial Differential Equations		1	DM1
88	12-11-2015	TUTORIAL 19		1	DM2
89	13-11-2015	Formation of P.D.E. by eliminating arbitrary constants		1	DM1
90	16-11-2015	Formation of P.D.E. by eliminating arbitrary functions		1	DM1
91	17-11-2015	TUTORIAL 20		1	DM2
92	18-11-2015	TUTORIAL 21		1	DM2
93	19-11-2015	Solutions of first order linear equations		1	DM1
94	20-11-2015	Lagrangian method		1	DM1
95	21-11-2015	Lagrangian method		1	DM2
96	23-11-2015	Assignment in UNIT III		1	DM4
97	24-11-2015	Quiz on Unit III		1	DM2
98	25-11-2015	TUTORIAL 22		1	DM2
		Total Number of classes available as per academic calendar		98	
		Total Number of classes required to complete the syllabus		98	

Signature		
	Name of the Faculty	Name of the Course Co-ordinator
	D. Vijay Kumar	
		HOD
		Dr. A. RAMIREDDY



LESSON PLAN

Course Code & Course Name : S 239 & ENGLISH -I

Sem.: I

Programme: B. Tech 2015-16

CSE B

Dept.:

S. No.	Tentative Date	Topics to be Covered	Actual Date	No. of classes	Delivery Method
1	08.07.15	Introductory Period	08.07.15	1	DM1
2	09.07.15	Parts of speech	09.07.15	1	DM3
3	10.07.15	Parts of speech	10.07.15	1	DM3
4	11.07.15	Parts of speech	11.07.15	1	DM3
5	12.07.15	Antonyms	13.07.15	1	DM3
6	15.07.15	Tutorial-Parts of Speech/Antonyms	15.07.15	1	DM3
7	16.07.15	Types of sentences	16.07.15	1	DM3
8	17.07.15	Un-jumbling sentences into a paragraph	17.07.15	1	DM2
9	20.07.15	Astronomy	20.07.15	1	DM1
10	22.07.15	Astronomy	22.07.15	1	DM1
11	23.07.15	Astronomy	23.07.15	1	DM1
12	24.07.15	Tutorial: Astronomy/ Un-jumbling sentences into a paragraph	24.07.15	1	DM4
13	26.07.15	J.C. Bose	25.07.15	1	DM1
14	27.07.15	J.C. Bose	27.07.15	1	DM1
15	28.07.15	J.C. Bose	29.07.15	1	DM1
16	30.07.15	Prepositions	30.07.15	1	DM3
17	31.07.15	Prepositions	31.07.15	1	DM3
18	01.08.15	Tutorial: J.C. Bose/prepositions	01.08.15	1	DM4
19	05.08.15	Word plurals	05.08.15	1	DM3
20	06.08.15	Sentences completion	06.08.15	1	DM3
21	07.08.15	Sentences completion	07.08.15	1	DM3
22	08.08.15	Synonyms	08.08.15	1	DM3
23	10.08.15	Synonyms	10.08.15	1	DM3

24	12.08.15	Synonyms	12.08.15	1	DM3
25	13.08.15	Tutorial-word plurals/synonyms	13.08.15	1	DM4
26	14.08.15	Travel and transport	14.08.15	1	DM1
27	19.08.15	Travel and transport	19.08.15	1	DM1
28	20.08.15	Travel and transport	20.08.15	1	DM1
29	21.08.15	Drafting E-mails	21.08.15	1	DM1
30	22.08.15	Tutorial: Travel and transport/E-mail	22.08.15	1	DM4
31	24.08.15	Letter writing(formal)	24.08.15	1	DM1
32	26.08.15	Letter writing(informal)	26.08.15	1	DM1
33	27.08.15	Paragraph writing	27.08.15	1	DM1
34	28.08.15	Paragraph writing	28.08.15	1	DM1
35	31.08.15	Paragraph writing	31.08.15	1	DM1
36	02.09.15	Tutorial	02.09.15	1	DM1
37	03.09.15	Quiz	03.09.15	1	DM1
38	04.09.15	Preparation	04.09.15	1	DM1
39	07.09.15	Preparation	07.09.15	1	DM1
I- MID EXAMINATIONS (09-09-2015 to 15-09-2015)					
40	09.09.15	Prefixes and suffixes	09.09.15	1	DM3
41	10.09.15	Humour	10.09.15	1	DM1
42	11.09.15	Humour	11.09.15	1	DM1
43	14.09.15	Humour	14.09.15	1	DM1
44	16.09.15	Tutorial: Humour & prefixes -suffixes	16.09.15	1	DM4
45	18.09.15	P.C.Ray	18.09.15	1	DM1
46	21.09.15	P.C.Ray	21.09.15	1	DM1
47	23.09.15	P.C.Ray	23.09.15	1	DM1
48	25.09.15	Active&passive voice	25.09.15	1	DM3
49	26.09.15	Active&passive voice	26.09.15	1	DM3
50	28.09.15	Note making	28.09.15	1	DM1
51	30.09.15	Tutorial: Voice/Note making	30.09.15	1	DM2

52	01.10.15	Health&Medicine	01.10.15	1	DM1
53	03.10.15	Health&Medicine	03.10.15	1	DM1
54	05.10.15	Health&Medicine	05.10.15	1	DM1
55	07.10.15	Tenses	07.10.15	1	DM3
56	08.10.15	Tenses	08.10.15	1	DM3
57	09.10.15	Tutorial: Health&Medicine/Tenses	09.10.15	1	DM2
58	10.10.15	Abstract writing	10.10.15	1	DM1
59	12.10.15	Abstract writing	12.10.15	1	DM1
60	14.10.15	Srinivasa Ramanujan	14.10.15	1	DM1
61	15.10.15	Srinivasa Ramanujan	15.10.15	1	DM1
62	16.10.15	Srinivasa Ramanujan	16.10.15	1	DM1
63	17.10.15	Tutorial: Srinivasa Ramanujan/Abstract writing	17.10.15	1	DM4
64	26.10.15	Deriving words	26.10.15	1	DM3
65	28.10.15	Deriving words	28.10.15	1	DM3
66	29.10.15	Articles	29.10.15	1	DM3
67	30.10.15	Articles	30.10.15	1	DM3
68	31.10.15	C.V.Raman	31.10.15	1	DM1
69	02.11.15	C.V.Raman	02.11.15	1	DM1
70	04.11.15	C.V.Raman	04.11.15	1	DM1
71	05.11.15	Tutorial: C.V.Raman/Articles	05.11.15	1	DM4
72	06.11.15	Essay writing	06.11.15	1	DM1
73	07.11.15	Essay writing	07.11.15	1	DM1
74	09.11.15	Dialogue writing	09.11.15	1	DM1
75	12.11.15	Dialogue writing	12.11.15	1	DM1
76	13-11.15	One word substitutes	13-11.15	1	DM1
77	16.11.15	One word substitutes	16.11.15	1	DM1
78	18.11.15	One word substitutes	18.11.15	1	DM1
79	19.11.15	Tutorial: Dialogue/ Essay writing	19.11.15	1	DM2
80	20.11.15	Quiz	20.11.15	1	DM3

81	21.11.15	preparation	21.11.15	1	
82	23.11.15	Revision	23.11.15	1	
83	25.11.15	Revision	25.11.15	1	
II- MID EXAMINATIONS (26-11-2015 to 01-12-2015)					
		Tutorial/ Assignment -Dialogue/ Essay			
		Total Number of classes available as per academic calendar	83		
		No of classes required to complete the syllabus	80		

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 Dr.B.Samrajya Lakshmi	Name of course Co-coordinator Dr.B.Samrajya Lakshmi	H O D Dr.A.Ramireddy

	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	11.07.15	Parts of speech		1	DM3
4	13.07.15	Parts of speech		1	DM3
5	14.07.15	Antonyms		1	DM3
6	15.07.15	Tutorial-Parts of Speech/Antonyms		1	DM3
7	16.07.15	Types of sentences		1	DM3
8	20.07.15	Un-jumbling sentences into a paragraph		1	DM2
9	21.07.15	Un-jumbling sentences into a paragraph		1	DM1
10	22.07.15	Astronomy		1	DM1
11	23.07.15	Astronomy		1	DM1
12	25.07.15	Astronomy		1	DM1
13	27.07.15	Tutorial: Astronomy/ Un-jumbling sentences into a paragraph		1	DM4
14	28.07.15	J.C. Bose		1	DM1
15	29.07.15	J.C. Bose		1	DM1
16	30.07.15	J.C. Bose		1	DM1
17	1.08.15	Prepositions		1	DM3
18	3.08.15	Prepositions		1	DM3
19	04.08.15	Prepositions		1	DM3
20	05.08.15	Prepositions		1	DM3
21	06.08.15	Tutorial: J.C. Bose/prepositions		1	DM4
22	08.08.15	Word plurals		1	DM3
23	10.08.15	Word plurals		1	DM3
24	11.08.15	Word plurals		1	DM3
25	12.08.15	Sentences completion		1	DM3
26	13.08.15	Sentences completion		1	DM3

27	17.08.15	Synonyms		1	DM3
28	18.08.15	Synonyms		1	DM3
29	19.08.15	Synonyms		1	DM3
30	20.08.15	Tutorial-word plurals/synonyms		1	DM4
31	22.08.15	Travel and transport		1	DM1
32	24.08.15	Travel and transport		1	DM1
33	25.08.15	Travel and transport		1	DM1
34	26.08.15	Travel and transport		1	DM1
35	27.08.15	Drafting E-mails		1	DM1
36	29.08.15	Drafting E-mails		1	DM1
37	31.08.15	Drafting E-mails		1	DM1
38	1.09.15	Tutorial: Travel and transport/E-mail		1	DM4
39	3.09.15	Letter writing(formal)		1	DM1
40	4.09.15	Letter writing(formal)		1	DM1
41	5.09.15	Letter writing(informal)		1	DM1
42	6.09.15	Paragraph writing		1	DM1
43	8.09.15	Paragraph writing		1	DM1
I- MID EXAMINATIONS (09-09-2015 to 15-09-2015)					
44	16.09.15	Prefixes and suffixes		1	DM3
45	19.09.15	Humour		1	DM1
46	21.09.15	Humour		1	DM1
47	22.09.15	Humour		1	DM1
48	23.09.15	Tutorial: Humour & prefixes -suffixes		1	DM4
49	26.09.15	P.C.Ray		1	DM1
50	28.09.15	P.C.Ray		1	DM1
51	29.09.15	P.C.Ray		1	DM1
52	30.09.15	Active&passive voice		1	DM3
53	1.10.15	Active&passive voice		1	DM3
54	3.10.15	Note making		1	DM1
55	5.10.15	Tutorial: Voice/Note making		1	DM2

56	6.10.15	Health&Medicine		1	DM1
57	7.10.15	Health&Medicine		1	DM1
58	8.10.15	Health&Medicine		1	DM1
59	10.10.15	Tenses		1	DM3
60	12.10.15	Tenses		1	DM3
62	13.10.15	Tenses		1	DM3
62	14.10.15	Tutorial: Health&Medicine/Tenses		1	DM2
63	15.10.15	Abstract writing		1	DM1
64	17.10.15	Abstract writing		1	DM1
65	26.10.15	Srinivasa Ramanujan		1	DM1
66	27.10.15	Srinivasa Ramanujan		1	DM1
67	28.10.15	Srinivasa Ramanujan		1	DM1
68	29.10.15	Tutorial: Srinivasa Ramanujan/Abstract writing		1	DM4
69	31.10.15	Deriving words		1	DM3
70	2.11.15	Deriving words		1	DM3
71	3.11.15	Articles		1	DM3
72	4.11.15	Articles		1	DM3
73	5.11.15	Articles		1	DM3
74	7.11.15	C.V.Raman		1	DM1
75	9.11.15	C.V.Raman		1	DM1
76	10.11.15	C.V.Raman		1	DM1
77	12.11.15	Tutorial: C.V.Raman/Articles		1	DM4
78	14.11.15	Essay writing		1	DM1
79	16.11.15	Essay writing		1	DM1
80	17.11.15	Dialogue writing		1	DM1
81	18.11.15	Dialogue writing		1	DM1
82	19-11.15	Dialogue writing		1	DM1
83	21.11.15	One word substitutes		1	DM1
84	23.11.15	One word substitutes		1	DM1

85	24.11.15	One word substitutes		1	DM1
86	25.11.15	Tutorial: Dialogue/ Essay writing		1	DM2
II- MID EXAMINATIONS (05-01-2015 to 10-01-2015)					
		Tutorial/ Assignment -Dialogue/ Essay			
		Total Number of classes available as per academic calendar	86		
		No of classes required to complete the syllabus	86		

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 Dr.B.Samrajya Lakshmi	Name of course Co-coordinator Dr.B.Samrajya Lakshmi	H O D Dr.A.Ramireddy

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

S. No.	Tentative Date	Topics to be covered	Actual Date	No. of Classes	Delivery Method
1	10-07-2015	General Introduction		3	DM1
2	17-07-2015	JAM		3	DM5&DM8
3	24-07-2015	JAM		3	DM8
4	31-07-2015	JAM		3	DM8
5	14-08-2015	Role play		3	DM5&DM8
6	28-08-2015	Role play		3	DM8
7	04-09-2015	Role play		3	DM8
8	11-09-2015	Information transfer		3	DM5 & DM8
9	18-09-2015	Information transfer		3	DM8
10	25-09-2015	Information transfer		3	DM8
11	09-10-2015	Group Discussions		3	DM6
12	16-10-2015	Group Discussions		3	DM6
13	23-10-2015	Group Discussions		3	DM6
14	30-10-2015	Phonetics		3	DM8 & DM1
15	06-11-2015	Phonetics		3	DM8 & DM1
16	13-11-2015	Phonetics		3	DM8 & DM1
17	20-11-2015	Phonetics		3	DM8 &

					DM1
		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
	K.SRIDEVI	Dr. B. Samrajya Lakshmi	Dr. A. Rami Reddy



ELCS LAB LESSON PLAN

Course Code & Course Name : HSP151 - English Language Communication Skills Lab
 Programme: B. Tech (I-Sem.) Dept.: CSE B

A.Y:2015-16

S. No.	Tentative Date	Topics to be covered	Actual Date	No. of Classes	Delivery Method
1	10-07-2015	General Introduction		3	DM1
2	17-07-2015	JAM		3	DM5&DM8
3	24-07-2015	JAM		3	DM8
4	31-07-2015	JAM		3	DM8
5	14-08-2015	Role play		3	DM5&DM8
6	28-08-2015	Role play		3	DM8
7	04-09-2015	Role play		3	DM8
8	11-09-2015	Information transfer		3	DM5 & DM8
9	18-09-2015	Information transfer		3	DM8
10	25-09-2015	Information transfer		3	DM8
11	09-10-2015	Group Discussions		3	DM6
12	16-10-2015	Group Discussions		3	DM6
13	23-10-2015	Group Discussions		3	DM6
14	30-10-2015	Phonetics		3	DM8 & DM1
15	06-11-2015	Phonetics		3	DM8 & DM1
16	13-11-2015	Phonetics		3	DM8 & DM1
17	20-11-2015	Phonetics		3	DM8 &

					DM1
		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
	Dr. B. Samrajya Lakshmi	Dr. B. Samrajya Lakshmi	Dr. A. Rami Reddy



LESSON PLAN

Course Name: S170 Computer Programming
Programme: B.Tech
 Section : A & B

SEM: I
Department: CSE
 Academic year : 2015-16

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	Software and Hardware		1	DM1
3.	10-07-2015	Operating system, Compiler and Interpreter		1	DM1
4.	11-07-2015	Fundamentals of computer		1	DM1
5.	11-07-2015	Introduction to Programming		1	DM1
6.	13-07-2015	Algorithm/pseudo code		1	DM1
7.	14-07-2015	Flow charts, Examples		1	DM1
8.	15-07-2015	Examples on Algorithm/pseudo code.		1	DM2
9.	16-07-2015	Examples on Flow charts.		1	DM1
10.	17-07-2015	TUTORIAL – I		1	DM2
11.	20-07-2015	Introduction to c language		1	DM1
12.	21-07-2015	C advantages		1	DM1
13.	22-07-2015	C tokens		1	DM1
14.	23-07-2015	Constants, keywords, Identifiers, variables		1	DM1
15.	24-07-2015	QUIZ/ TEST – I		1	DM4
16.	25-07-2015	Structure of a c program, Input and output statements,		1	DM1
17.	27-07-2015	Basic data types and sizes.variable declaration & initialization.		1	DM1
18.	28-07-2015	Arithmetic, relational and logical operators .		1	DM1/DM2
19.	29-07-2015	Increment/decrement, assignment and conditional operators		1	DM1
20.	30-07-2015	Bitwise operators, conditional expressions, order of evaluation		1	DM1
21.	31-07-2015	Example programs using operators		1	DM1
22.	01-08-2015	QUIZ/ TEST – 2		1	DM3
23.	03-08-2015	Type conversion, Examples		1	DM1/DM2
24.	04-08-2015	Decision making with simple if		1	DM2
25.	05-08-2015	If else and nested if else statements.		1	DM1
26.	06-08-2015	Else if ladder, switch statement		1	DM1

27.	07-08-2015	Programs on IF constructs		1	DM1
28.	08-08-2015	TUTORIAL – 2		1	DM2
29.	10-08-2015	while, do- while loops		1	DM1
30.	11-08-2015	For statements, break & continue statements		1	DM1
31.	12-08-2015	goto and labels, exercises		1	DM1
32.	13-08-2015	Programming examples		1	DM1
33.	14-08-2015	TUTORIAL – 3		1	DM2
UNIT – 2 ARRAYS					
34.	17-08-2015	Arrays definition, declaration and examples		1	DM1
35.	18-08-2015	Accessing elements, storing elements.		1	DM1
36.	19-08-2015	Two- dimensional arrays, Accessing element		1	DM1
37.	20-08-2015	Multi-dimensional arrays, applications of arrays.		1	DM1
38.	21-08-2015	QUIZ – 3		1	DM3
39.	22-08-2015	Character arrays – Strings, Accessing		1	DM1
40.	24-08-2015	Program on String accessing, operation		1	DM1
41.	25-08-2015	String handling functions, programs		1	DM1
42.	26-08-2015	Usage of String functions in programs		1	DM1
43.	27-08-2015	Example programs		1	DM1
44.	28-08-2015	QUIZ – 4		1	DM4
45.	29-08-2015	TUTORIAL – 4		1	DM2
I – MID EXAMINATIONS					
UNIT- 3 POINTERS					
46.	07-09-2015	Pointers: concepts, initialization of pointer variables		1	DM1
47.	08-09-2015	Pointers and Arrays, Strings.		1	DM1
48.	09-09-2015	Pointers to pointers, Examples		1	DM1
49.	10-09-2015	Pre-processor directives, Macros		1	DM1
50.	11-09-2015	Programs on preprocessors		1	DM2
51.	12-09-2015	Examples on Macros		1	DM2
52.	14-09-2015	TUTORIAL – 5		1	
53.	15-09-2015	Introduction to modular programming, functions		1	DM1
54.	16-09-2015	Basics of functions, categories,		1	DM1
55.	18-09-2015	Standard library functions,		1	DM1
56.	19-09-2015	Parameter passing techniques, Examples		1	DM1
57.	21-09-2015	Recursion in functions, examples		1	DM1

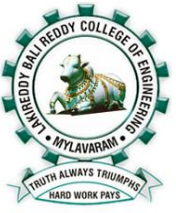
58.	22-09-2015	QUIZ - 5.		1	DM3
59.	23-09-2015	Functions with arrays, passing arrays as parameters		1	DM1
60.	25-09-2015	Functions with pointers		1	DM1
61.	26-09-2015	Programs on functions with arrays and pointers		1	DM2
62.	28-09-2015	Storage classes – auto, static, extern, register		1	DM1
63.	29-09-2015	Dynamic memory management techniques, examples		1	DM2
64.	30-09-2015	Command line arguments, programs		1	DM1
65.	01-10-2015	TUTORIAL - 6		1	DM4
UNIT - 4					
66.	03-10-2015	Introduction to structures, use of structures in programming		1	DM1
67.	05-10-2015	Structures declaration, definition and initialization		1	DM1
68.	06-10-2015	Programs on structure creation, accessing and printing		1	DM2
69.	07-10-2015	Use of arrays as members in structure		1	DM1
70.	08-10-2015	Nested structures, Arrays of structures		1	DM1
71.	09-10-2015	QUIZ - 6		1	DM3
72.	12-10-2015	Structures and functions, examples		1	DM1
73.	13-10-2015	Pointers to structures		1	DM1
74.	14-10-2015	Self-referential structures		1	DM1
75.	16-10-2015	Programs on structures		1	DM2
76.	17-10-2015	Unions, Typedef, bit fields		1	DM1
77.	26-10-2015	Example programs on structures, Unions		1	DM2
78.	27-10-2015	TUTORIAL - 7		1	DM4
UNIT – 5 FILES					
79.	28-10-2015	File Concept, text files, reading & writing		1	DM1
80.	29-10-2015	binary files, modes of operation		1	DM1
81.	30-10-2015	Standard I/O operations		1	DM1
82.	31-10-2015	Formatted I/O operations		1	DM1
83.	02-11-2015	File I/O operations		1	DM1
84.	03-11-2015	Modes of operation		1	DM1
85.	04-11-2015	Error handling functions		1	DM1
86.	05-11-2015	Programs on file creation		1	DM2
87.	06-11-2015	Programs on file accessing, reading and writing data		1	DM2
88.	07-11-2015	QUIZ - 7		1	DM3
89.	09-11-2015	Revision		1	DM2
90.	10-11-2015	Revision		1	DM3

91.	12-11-2015	Revision		1	DM4
92.	13-11-2015	Revision		1	DM4
II – MID Examinations					
Total Classes				92	
Total number of classes required to complete the syllabus				85	
Total number of classes available as per Schedule				92	

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

	SYLLABUS	Date: 08-07-15
	<p>Sub Name : COMPUTER PROGRAMMING LAB</p> <p>Code : L126</p> <p>Faculty Name: G.V.Rajya Lakshmi Branch: CSE</p> <p>Class: I B.Tech Section: A&B</p> <p>Semester : I Ac.Year: 2015-16</p>	To 14-11-15

- I)** Write a programme in 'C' language to cover the following problems.
- Example program which shows the usage of various preliminary Data types available in C Language.
 - Example program which shows the usage of various Operators available in C Language.
 - Example programs to illustrate the *order of evaluation*.

II) WRITE EXAMPLE PROGRAMS:


- To check whether the given year is leap year (or) not
- Roots of Quadratic Equation.
- Finding smallest & biggest number from the given set of 4 numbers using 'if' statement.
- Calculate the student grade in the examination – assume suitable Constraints.
- Prepare electricity bill for the consumed units – assume suitable Constraints.
- Converting given two digit number into words using switch statement
- To illustrate the usage of 'goto' statement.

III) EXAMPLE PROGRAMS:

- To Display first N natural numbers
- To find whether the given number is Armstrong (or) not
- To find reverse of the given number and to check whether it is palindrome (or) not.
- To find whether given number is strong number (or) not.
- To check whether given number is Prime (or) not
- To display prime numbers with in the given range (Nesting of Loops).
- To display the following structure (Nesting of Loops)

<p>i)</p> <pre> 1 1 2 12 3 1 2 3 4 1 23 4 5 </pre>	<p>ii)</p> <pre> 5 4 3 2 1 4 3 2 1 3 2 1 2 1 1 </pre>
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- IV)** Write example programs in C Language to perform following operations:
- Finding the sum and average of given numbers using Arrays.
 - To display elements of array in reverse order
 - To search whether the given element is in the array (or) not using linear search & binary search.
 - Write a C program to perform the following operations
 - Addition, subtraction and multiplication of Matrices
 - Transpose of given matrix
(The above operations are to be exercised using functions also by passing arguments)
 - Write a C program to find whether the given string is palindrome (or) not.
 - To accept line of text and find the number of characters, number of vowels and number of blank spaces in it.
 - Write an example program to illustrate the use of any 5 string handling functions.
- V)**
- Example program to bring clarity on pointer declaration & initialization and Pointer arithmetic.
 - Write an example program to describe the usage of *call by reference*.
 - Write a program to find sum of the elements of the array using functions.
- VI)** Write example programs in C Language:
- To find factorial of a given number using functions.
 - Swap two numbers using functions.
 - To find GCD of two numbers using recursion
 - Write a recursive function to solve Towers of Hanoi problem.
 - Write an example program to illustrate use of external & static storage classes.
 - Write an example program to illustrate the usage of command line arguments.
 - Program to illustrate the usage of dynamic memory management functions.
- VII)**
- 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)
 - Write a program to read records of 10 employees and find their average salary (exercise array of structures & Nested structures concepts through this program).
 - 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)
- VIII)** Write an example program on file to perform following operations:
- Accessing content from files and writing content in to it.
(Exercise different file operation modes)
 - Copy the contents of one file into another (Exercise different file operation modes)

	SYLLABUS	Date: 08-07-15
	Sub Name : COMPUTER PROGRAMMING LAB Faculty Name: G.V.Rajya Lakshmi Branch: CSE Class: I B.Tech Section : A Semester: I	To 14-11-15

No. of Periods	Date	Lab Cycles	Signature
27.	10-07-15	Introduction	
28.	17-07-15	CYCLE I	
29.	24-07-15	CYCLE I	
30.	31-07-15	CYCLE II	
31.	07-08-15	CYCLE II	
32.	14-08-15	CYCLE III	
33.	21-08-15	CYCLE III	
34.	28-08-15	CYCLE IV	
35.	11-09-15	CYCLE IV	
36.	18-09-15	CYCLE V	
37.	25-09-15	CYCLE VI	
38.	09-10-15	CYCLE VI	
39.	16-10-15	CYCLE VII	
40.	30-10-15	CYCLE VII	
41.	06-11-15	CYCLE VIII	
42.	13-11-15	Internal Lab Examination	


TEXT BOOKS

1. The C Programming Language, B.W. Kernighan, Dennis M.Ritchie, PHI/Pearson Education.
2. C and Data Structures ,N.B.Venkateswarlu and E.V.Prasad

REFERENCES

1. Programming in C – Reema Thareja, Oxford Publications.
2. Programming in C – Stephen G. Kochan, III Edition, Pearson Eductaion
3. Programming in C - Pradeep Dey, Oxford Publications.

	Prepared by	Approved by
Signature		
Name	Mrs G.V.Rajya Lakshmi	HOD
Designation	Asst.Professor/CSE	Professor
Date		

SYLLABUS		Date: 08-07-15
	Sub Name : COMPUTER PROGRAMMING LAB Faculty Name: G.V.Rajya Lakshmi Branch: CSE Class: I B.Tech Section : A Semester: I	To 14-11-15

No. of Periods	Date	Lab Cycles	Signature
1.	08-07-15	Introduction	
2.	15-07-15	CYCLE I	
3.	22-07-15	CYCLE I	
4.	29-07-15	CYCLE II	
5.	05-08-15	CYCLE II	
6.	12-08-15	CYCLE III	
7.	19-08-15	CYCLE III	
8.	26-08-15	CYCLE IV	
9.	09-09-15	CYCLE IV	
10.	16-09-15	CYCLE V	
11.	23-09-15	CYCLE VI	
12.	30-09-15	CYCLE VI	
13.	07-10-15	CYCLE VII	
14.	14-10-15	CYCLE VII	
15.	28-10-15	CYCLE VIII	
16.	04-11-15	Internal Lab Examination	

TEXT BOOKS

- 1.The C Programming Language, B.W. Kernighan, Dennis M.Ritchie, PHI/Pearson Education.
- 2.C and Data Structures ,N.B.Venkateswarlu and E.V.Prasad

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3. Programming in C - Pradeep Dey, Oxford Publications.

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Signature		
Name	Mrs G.V.Rajya Lakshmi	HOD
Designation	Asst.Professor/CSE	Professor
Date		



LESSON PLAN

Course Name: S170 Computer Programming
Programme: B.Tech
 Section : A & B

SEM: I
Department: CSE
 Academic year: 2015-16

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	Software and Hardware		1	DM1
3.	10-07-2015	Operating system, Compiler and Interpreter		1	DM1
4.	11-07-2015	Fundamentals of computer		1	DM1
5.	11-07-2015	Introduction to Programming		1	DM1
6.	13-07-2015	Algorithm/pseudo code		1	DM1
7.	14-07-2015	Flow charts, Examples		1	DM1
8.	15-07-2015	Examples on Algorithm/pseudo code.		1	DM2
9.	16-07-2015	Examples on Flow charts.		1	DM1
10.	17-07-2015	TUTORIAL – I		1	DM2
11.	20-07-2015	Introduction to c language		1	DM1
12.	21-07-2015	C advantages		1	DM1
13.	22-07-2015	C tokens		1	DM1
14.	23-07-2015	Constants, keywords, Identifiers, variables		1	DM1
15.	24-07-2015	QUIZ/ TEST – I		1	DM4
16.	25-07-2015	Structure of a c program, Input and output statements,		1	DM1
17.	27-07-2015	Basic data types and sizes.variable declaration & initialization.		1	DM1
18.	28-07-2015	Arithmetic,relational and logical operators .		1	DM1/DM2
19.	29-07-2015	Increment/decrement, assignment and conditional operators		1	DM1
20.	30-07-2015	Bitwise operators, conditional expressions, order of evaluation		1	DM1
21.	31-07-2015	Example programs using operators		1	DM1
22.	01-08-2015	QUIZ/ TEST – 2		1	DM3
23.	03-08-2015	Type conversion, Examples		1	DM1/DM2

24.	04-08-2015	Decision making with simple if		1	DM2
25.	05-08-2015	If else and nested if else statements.		1	DM1
26.	06-08-2015	Else if ladder,switch statement		1	DM1
27.	07-08-2015	Programs on IF constructs		1	DM1
28.	08-08-2015	TUTORIAL – 2		1	DM2
29.	10-08-2015	while, do- while loops		1	DM1
30.	11-08-2015	For statements, break & continue statements		1	DM1
31.	12-08-2015	goto and labels, exercises		1	DM1
32.	13-08-2015	Programming examples		1	DM1
33.	14-08-2015	TUTORIAL – 3		1	DM2
UNIT – 2 ARRAYS					
34.	17-08-2015	Arrays definition, declaration and examples		1	DM1
35.	18-08-2015	Accessing elements, storing elements.		1	DM1
36.	19-08-2015	Two- dimensional arrays, Accessing element		1	DM1
37.	20-08-2015	Multi-dimensional arrays, applications of arrays.		1	DM1
38.	21-08-2015	QUIZ – 3		1	DM3
39.	22-08-2015	Character arrays – Strings, Accessing		1	DM1
40.	24-08-2015	Program on String accessing, operation		1	DM1
41.	25-08-2015	String handling functions, programs		1	DM1
42.	26-08-2015	Usage of String functions in programs		1	DM1
43.	27-08-2015	Example programs		1	DM1
44.	28-08-2015	QUIZ – 4		1	DM4
45.	29-08-2015	TUTORIAL – 4		1	DM2
I – MID EXAMINATIONS					
UNIT- 3 POINTERS					
46.	07-09-2015	Pointers: concepts,initialization of pointer variables		1	DM1
47.	08-09-2015	Pointers and Arrays, Strings.		1	DM1
48.	09-09-2015	Pointers to pointers, Examples		1	DM1
49.	10-09-2015	Pre-proce ssor directives, Macros		1	DM1
50.	11-09-2015	Programs on preprocessors		1	DM2
51.	12-09-2015	Examples on Macros		1	DM2
52.	14-09-2015	TUTORIAL – 5		1	
53.	15-09-2015	Introduction to modular programming, functions		1	DM1

54.	16-09-2015	Basics of functions, categories,		1	DM1
55.	18-09-2015	Standard library functions,		1	DM1
56.	19-09-2015	Parameter passing techniques, Examples		1	DM1
57.	21-09-2015	Recursion in functions, examples		1	DM1
58.	22-09-2015	QUIZ - 5.		1	DM3
59.	23-09-2015	Functions with arrays, passing arrays as parameters		1	DM1
60.	25-09-2015	Functions with pointers		1	DM1
61.	26-09-2015	Programs on functions with arrays and pointers		1	DM2
62.	28-09-2015	Storage classes – auto, static, extern, register		1	DM1
63.	29-09-2015	Dynamic memory management techniques, examples		1	DM2
64.	30-09-2015	Command line arguments, programs		1	DM1
65.	01-10-2015	TUTORIAL - 6		1	DM4
UNIT - 4					
66.	03-10-2015	Introduction to structures, use of structures in programming		1	DM1
67.	05-10-2015	Structures declaration, definition and initialization		1	DM1
68.	06-10-2015	Programs on structure creation, accessing and printing		1	DM2
69.	07-10-2015	Use of arrays as members in structure		1	DM1
70.	08-10-2015	Nested structures, Arrays of structures		1	DM1
71.	09-10-2015	QUIZ - 6		1	DM3
72.	12-10-2015	Structures and functions, examples		1	DM1
73.	13-10-2015	Pointers to structures		1	DM1
74.	14-10-2015	Self-referential structures		1	DM1
75.	16-10-2015	Programs on structures		1	DM2
76.	17-10-2015	Unions, Typedef, bit fields		1	DM1
77.	26-10-2015	Example programs on structures, Unions		1	DM2
78.	27-10-2015	TUTORIAL - 7		1	DM4
UNIT – 5 FILES					
79.	28-10-2015	File Concept, text files, reading & writing		1	DM1
80.	29-10-2015	binary files, modes of operation		1	DM1
81.	30-10-2015	Standard I/O operations		1	DM1
82.	31-10-2015	Formatted I/O operations		1	DM1
83.	02-11-2015	File I/O operations		1	DM1
84.	03-11-2015	Modes of operation		1	DM1

85.	04-11-2015	Error handling functions		1	DM1
86.	05-11-2015	Programs on file creation		1	DM2
87.	06-11-2015	Programs on file accessing, reading and writing data		1	DM2
88.	07-11-2015	QUIZ - 7		1	DM3
89.	09-11-2015	Revision		1	DM2
90.	10-11-2015	Revision		1	DM3
91.	12-11-2015	Revision		1	DM4
92.	13-11-2015	Revision		1	DM4
II – MID Examinations					
Total Classes					92
Total number of classes required to complete the syllabus					85
Total number of classes available as per Schedule					92

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

