SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: I
Course	: BA-JMC	Subject Code	: BCS1502
Branch	:	Subject Name	: Computer Application for Media

Group	: 11	Room No.	: B4-005	
Name of Faculty Lab Incharge		: Ms Sanjana Ojha		P / C
Name of Lab Instructor		: Mr Sumit Sharma		4 / 2

S.No.	Name of the Experiment
1.	Introduction to Operating System (Windows, Ubuntu)
2.	Working with Word Pad, Introduction to Internet and surfing.
3.	Working with MS Word- Inserting a header, footer & Page no, Table, Setting margins, water mark. Working with PowerPoint Presentation- Design of slides, Inserting Pictures, Animation.
4.	Working with MS Excel- Creating & opening workbooks, Entering data, Inserting & deleting cells, rows & column, Formulas, Functions, Creating data, Moving between worksheets, saving worksheets.
5.	Working with coral, Editing tools of coral draw for editing and drawing objects, using tool box/using color, Letter head.
6.	Working with Photoshop, customizing Photoshop, layer panel, levels, curves, path, selection.
7.	Working with Quark, Creating and editing page layout, working with kerning, fonts, alignment, spacing and color.
8.	Spoken Tutorials softwares like Libre Office ,GIMP

Evaluation Process

Total	=	100 marks
Continuous Internal Evaluation	=	70 marks
• Teacher Assessment Marks	=	7 x 10 =70 marks
End Semester Exam	=	30
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	No

Assessment Procedure

1. Continuous Internal Evaluation: 70

2. End Semester Exam: 30

Project presentation (End Sem.): Project file : At the end of semester students will have to prepare a project file. They shall be adjudge on the content and quality of the work produced in the given assignments.

(Signature of the Faculty Lab In charge with date)

(Signature of the Director with date) 8/8/12

8/8/17

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session : 2017-18(Odd Sem.)   Semester : I

Course	: BCA	Subject Code	: BCS1505
Branch	:	Subject Name	: Computing Fundamentals and Algorithms Lab
Group	: BCA 11,12,13,14	Room No.	: B2-010

Name of Faculty Lab Incharge : Ms. Shivangi Nigam, Ms. Priyanka Gupta, Mr. Prateek Verma

Name of Lab Instructor : Mr. Rajpal

P	C
2	1

S.No.	Name of the Experiment
1.	Working with MS-Word: Basic Features, Text formatting, Paragraph and Page layout.
2.	Working with MS-Word: Tables, Image formatting and Working with Graphics.
3.	Working with MS-PowerPoint: Designing Slides, Working with Slides.
4.	Working with MS-PowerPoint: Creating a Multimedia Presentation, Adding Effects. (Via Spoken Tutorials)
5.	Working with MS-Excel: Spreadsheet Basics, Formatting Cells.
6.	Working with MS-Excel: Formulas and Functions, Charts. (Via Spoken Tutorials)
7.	Working with Microsoft Access: Basic Features, Creating Database. (Via Spoken Tutorials)
8.	Working with Microsoft Access: Creating Tables, Creating Queries.
9.	Implementation of basic Input and Output functions in C.
10.	Implementation of Variable Initialization, displaying values in C.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure:

Teacher Assessment Marks (70 Marks):

Each experiment carries 10 Marks with following break-up
Attendance - 2 marks
Execution - 2 marks
Records - 2 marks
Viva - 4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III	
Course	: BCA	Subject Code	: BCS3505	
Branch	:	Subject Name	: Object Oriented Programming with C++ Lab	
Group	: BCA-31,32	Room No.	: B2-010	

Faculty Lab Incharge	: Mr. Vinay Vishwas, Dr. Bineet Gupta	P	C
Name of Lab Instructor	: Mr. Raj Pal, Mr. Jitendra	2	1

S.No.	Name of the Experiment
1.	Implementation of basic operation of Operators in C++.
2.	Implementation of memory management using new and delete operators in C++.
3.	Implementation of Inline Function in C++.
4.	Implementation of Class and Object in C++.(via Spoken Tutorial)
5.	Implementation of Constructor and Destructor in C++.(via Spoken Tutorial)
6.	Implementation of Operator Overloading in C++.(via Spoken Tutorial)
7.	Implementation of Inheritance in C++.
8.	Implementation of Polymorphism in C++.
9.	Implementation of Virtual Functions in C++.
10.	Implementation of basic operations of File in C++.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	YES
• With External Examiner (Yes / No)	=	YES

Assessment Procedure:

Teacher Assessment Marks (70 Marks):

Each experiment carries 10 Marks with following break-up-

Attendance - 2 marks

Execution - 2 marks

Records - 2 marks

Viva-4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60-minute duration and Maximum Marks 10.

Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V		
Course	: BCA	Subject Code	: BCS5513		
		Subject Name	: Web Technology Lab		
Group	: BCA-51,52	Room No.	: B2-010		
Name of Faculty Lab Incharge	: Ms. Mahvish Jabeen, Mr. Kshitiz			P	C
Name of Lab Instructor	: Mr. Rajpal, Mr. Jeetendra			2	1

S. No.	Name of the Experiment
1.	Write a program in HTML to display different styles of heading text.
2.	Write a program to display the processes to be followed for a patient when he enters for a complete Checkup. Use ordered and unordered lists.
3.	Write a program to display a traditional Newspaper with the use of table tags and anchor tags.
4	Use mapping technique, to map a particular part of image and move the control corresponding to that area.
5.	Create frames that have details about various cities.
6.	Create a form to display the kinds of food available in a Restaurant. (Use checkboxes wherever necessary)
7.	Write a program to implement CSS.
8.	Write a program to implement Java Script for form validation.
9.	Write a program to implement dynamic web page using PHP.**(via Spoken Tutorials)**
10.	Write a program in PHP to implement database connectivity.**(via Spoken Tutorials)**

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Teacher Assessment Marks(70 Marks):

Each experiment carries 10 marks with following break-up

Attendance – 2 marks

Execution – 2 marks

Records – 2 marks

Viva – 4 marks

Lab Quiz(10 Marks):

There will be one Lab Quiz of 60 minutes duration and maximum marks 10.Lab Quiz will consist of objective type questions.

End Semester Examination(20 Marks):

End semester examination will be held in the presence of external examiner. Out of total 20 marks allocated to End semester examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III
Course	: MCA	Subject Code	: MCS3505
Branch	:	Subject Name	: Object Oriented Systems with Java Lab
Group	: MCA-31	Room No.	: B2-009

Faculty Lab Incharge : Mr. Vinay Vishwas

Name of Lab Instructor : Md. Islam

P	C
2	1

S.No.	Name of the Experiment
1.	Understanding reference to an instance of a class (object), methods in Java
2.	Handling Arrays and Vectors in Java.
3.	Handling strings in Java.
4.	Package creation and developing user defined packages in java.(via Spoken Tutorial)
5.	Developing user-defined interfaces and implementation and use of predefined interfaces in Java.
6.	Creation of thread in Java applications and Multithreading. (via Spoken Tutorial)
7.	Handling pre-defined exceptions and handling user-defined exceptions in Java.
8.	Java Database Connectivity – Data Retrieval in Java. (via Spoken Tutorial)
9.	File Operations in Java.
10.	Applet and creation of colour palette in Java.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	YES
• With External Examiner (Yes / No)	=	YES

Assessment Procedure:

Teacher Assessment Marks (70 Marks):

Each experiment carries 10 Marks with following break-up-

Attendance - 2 marks
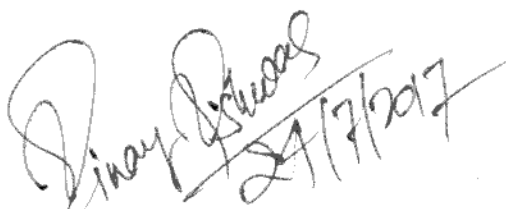
Execution - 2 marks

Records - 2 marks

Viva-4 marks

Lab Quiz (10 Marks):

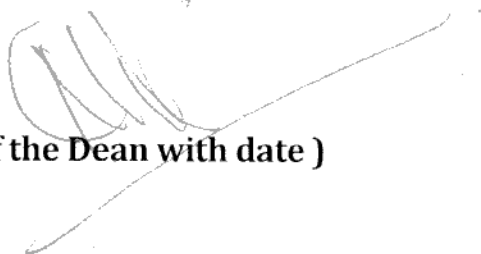There will be one Lab Quiz of 60-minute duration and Maximum Marks 10.

Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III
Course	: B.Tech	Subject Code	: BCS3502
Branch	: CS	Subject Name	: Unix & Shell Programming Lab
Group	: CS-31,32,33,34,35,36	Room No.	:B2-004

		P	C
Name of Faculty Lab Incharge	: Mr. Vishal Bhatt, Ms. Neeta Bhusal Sharma		
Name of Lab Instructor	: Mr. Shamsuddin , Mr. Nusrat Ali	2	1

S.No.	Name of the Experiment
1.	Running Commands related to Directory and file handling commands.
2.	Running Commands related to file attributes.
3.	Running Commands related to Standard I/O, Redirection Pipes and Filters.
4.	Running Commands related to Regular Expressions—grep Family of Commands.
5.	Running Commands related to System Administration.(By Spoken Tutorial)
6.	Running Commands related to Processes. (By Spoken Tutorial)
7.	Running Commands related vi editor.
8.	Running Commands related to Basic Communication Tools.
9.	Hands on Practice of shell programming using control structures.
10.	Hands on Practice of Advanced shell programming.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Teacher Assessment Marks (70 Marks):
Each experiment carries 10 Marks with following break-up-
Attendance - 2 marks
Execution - 2 marks
Records - 2 marks
Viva-4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session : 2017-18(Odd Sem.)	**Semester** : III		
Course : B.Tech	**Subject Code** : BCS3509		
Branch : CS	**Subject Name** : Data Structures Lab		
Group : CS-31,32,33,34,35,36	**Room No.** : B2-007		

		P	C
Name of Faculty Lab Incharge : Ms. Neha Pant, Mr. Shoeb Ahmad		2	1
Name of Lab Instructor : Mr. Anuj Kashyap, Mr. Sushil			

S.No.	Name of the Experiment
1.	Implement basic operations on Array through spoken tutorial.
2.	Sort the given list of numbers using insertion sort, selection sort and bubble sort.
3.	Implement the basic operations on Singly Linked List.
4.	Represent the given sparse matrix using Arrays and Linked List.
5.	Implement the basic operations on Doubly Linked List and Circular Linked List.
6.	Create a Stack and do the basic operations using Arrays and Linked List.
7.	Create a Queue and do the basic operations using Arrays and Linked List.
8.	Binary Search Tree implementation.
9.	Sort the given list of numbers using Heap Sort and Quick Sort.
10.	Implement Depth First Search and Breadth First Search.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Teacher Assessment Marks (70 Marks):
Each experiment carries 10 Marks with following break-up-
Attendance - 2 marks
Execution - 2 marks
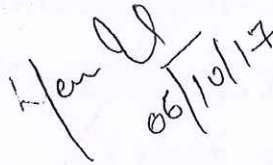Records - 2 marks
Viva- 4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.
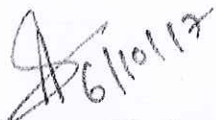
End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(odd Sem.)	Semester	: V
Course	: B.Tech.	Subject Code	: BCS5502
Branch	: CS	Subject Name	: Operating system Lab
Group	: All	Room No.	:B2-004/B2-007

		P	C
Name of Faculty Lab Incharge	: T. Zaidi,Saurabh Jaiswal, Ziaul Hasan	2	1
Name of Lab Instructor	: Mr.Nusrat, Mr.Atul ,Mr. Anuj, Mr. Sushil		

S.No.	Name of the Experiment
1.	Write a program to implement fork system call through spoken tutorial.
2.	Write a program to implement critical section problems.
3.	Write a program to implement classical problems of process synchronization.
4.	Write a program to implement non-preemptive scheduling algorithm.
5.	Write a Program to implement preemptive scheduling algorithm.
6.	Write a program to Implement Banker's algorithm.
7.	Write a program to implement page replacement algorithms.
8.	Write a program to implement Disk Scheduling algorithms.
9.	Write a Program to implement file allocation methods.
10.	Write a Program for MFT and MVT first fit and best fit.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Teacher Assessment Marks (70 Marks):
Each experiment carries 10 Marks with following break-up-
Attendance - 2 marks
Execution - 2 marks
Records - 2 marks
Viva-4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V
Course	: B.Tech.	Subject Code	: BCS 5504
Branch	: CS	Subject Name	: JAVA LAB

					P	C
Group	:ALL	Room No.	:B2-004			
Name of Faculty Lab Incharge	: Mr. Kapil Kumar Gupta, Mr. Anand Rai, Mr. Desh Deepak					
Name of Lab Instructor	: Mr. Nusrat Ali				2	1

S.No.	Name of the Experiment
1.	Write a Java program for understanding reference to an instance of a class (object), methods
2.	Write a Java program for handling Arrays and Vectors in Java.
3.	Write a Java program for handling strings in Java.
4	Write a Java program for Package creation and developing user defined packages in java.
5.	Write a Java program for developing user-defined interfaces and implementation and use of predefined interfaces.(Spoken Tutorial)
6.	Write a Java program for creation of thread in Java applications and Multithreading.
7.	Write a Java program for handling pre-defined exceptions and handling user-defined exceptions.
8.	Write a Java program for Java Database Connectivity – Data Retrieval. (Spoken Tutorial)
9.	Write a Java program for File Operations.
10.	Write a Java program for Applet and creation of color palette.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	Yes
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Teacher Assessment Marks (70 Marks):
Each experiment carries 10 Marks with following break-up-
Attendance - 2 marks
Execution - 2 marks
Records - 2 marks
Viva-4 marks

Lab Quiz (10 Marks):

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: VII
Course	: B.Tech	Subject Code	: BCS7502
Branch	: CSE	Subject Name	: Digital Image Processing Lab
Group	: CS-71,72,73,74	Room No.	: B2-007

Name of Faculty Lab Incharge : Er. Ritesh Maurya/ Er. Anupam Singh

Name of Lab Instructor : Mr. Anuj Kashyap/ Mr. Sushil

P	C
2	1

S. No.	Name of the Experiment
1.	Acquisition and Display of color and Grayscale Images, Conversion of Color to Grayscale using Averaging, Grayscale to Bitmap Image using Thresholding.
2.	Implement the spatial image enhancement functions on a bitmap image – (a) Mirroring (Inversion) (b) Rotation (Clockwise) (c) Enlargement (Double Size)
3.	Implementation of Histogram Equalization in Grayscale Image.
4.	Image Enhancement in Spatial Domain- Smoothing and Sharpening. **(Spoken Tutorial)**
5.	Image Enhancement in Frequency Domain- Fourier Transform, Gaussian Highpass Filters, Homomorphic Filtering. **(Spoken Tutorial)**
6.	Image Restoration: Spatial Filtering and Statistic Filters.
7.	Color Image Processing: RGB to HSI conversion, Segmentation.
8.	Morphological Image Processing- Dilation and Erosion, Opening and Closing, Thinning, Thickening.
9.	Image Compression: error-free compression, lossy predictive coding
10.	Segmentation- Edge Detection, Line Detection. Multi-level Thresholding, Local Thresholding.

Evaluation Process

Total	=	**100 Marks**
Continuous Internal Evaluation	=	**80 Marks**
• Teacher Assessment Marks	=	**70 Marks**
• Lab Quiz Test	=	**10 Marks**
End Semester Exam	=	**20 Marks**
• With Internal Examiner (Yes / No)	=	**Yes**
• With External Examiner (Yes / No)	=	**Yes**

Assessment Procedure

<u>Teacher Assessment Marks (70 Marks):</u>
Each experiment carries 10 Marks with following break-up-
Attendance - 2 marks
Execution - 2 marks
Records - 2 marks
Viva-4 marks

<u>Lab Quiz (10 Marks):</u>

There will be one Lab Quiz of 60 minutes duration and Maximum Marks 10. Lab Quiz will consist of objective type questions.

End Semester Examination (20 Marks):

End Semester Examination will be held in the presence of external examiner. Out of total 20 marks allocated to End Semester Examination, a student will get maximum 10 marks based on his/her performance in carrying out the experiment assigned in the examination. Remaining 10 marks will be awarded by the external based on the student's performance in end semester viva.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	Semester	: II
Course	: M.Tech.	Subject Code	: MEE2501
Branch	: EE	Subject Name	: CAPSA LAB
Group	:21	Room No.	:COMPUTER LAB B2

		P	C
Name of Faculty Lab Incharge	: Mr Sandeep Dixit	2	1
Name of Lab Instructor	: Vinod K Shukla		

S.No.	Name of the Experiment
1.	13 bus Y bus Matrix
2.	Simulation of Measurement of 1-Phase and 3-Phase Circuits.
3.	Gauss Seidel load flow analyasis (rectangular)
4.	Artificial Neural network based Price forecasting
5.	NRLF load flow analysis
6.	Power system simulation by **MATLAB/Sci Lab (Spoken Tutorial)** using the power system Blockset
7.	Energy conservation in industrial and residential area through voltage regulation
8.	To perform unsymmetrical fault analysis in power system. Also performed with Sci Lab **(Spoken Tutorial).**
9.	To perform the load flow analysisby neutonreptison method (polar)
10.	To perform the transient stability test on multi machine system

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:
- ❖ Lab performance for each exp.--- 5marks
- ❖ Viva for each exp. ------------------2 marks
- ❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V
Course	: B.Tech.	Subject Code	: BEE 5502
Branch	: EE	Subject Name	: Control Lab
Group	: 51	Room No.	: MW 105

			P	C
Name of Faculty Lab In charge	: Shubham Mishra			
Name of Lab Instructor	: K C Swain		2	1

S.No.	Name of the Experiment
1.	To determine response of first order and second order systems for step input for various values of constant 'K' using linear simulator UNIT and compare theoretical and practical results.
2.	To study P, PI and PID temperature controller for an oven and compare their performance
3.	To study and calibrate temperature using resistance temperature detector (RTD)
4.	To design Lag, Lead and Lag-Lead compensators using Bode plot.
5.	To study DC position control system
6.	To study synchro-transmitter and receiver and obtain output V/S input characteristics.
7.	To study performance of servo voltage stabilizer at various loads using load bank
8.	To study behavior of dc motor speed control system in open loop and closed loop.
9.	Write a MATLAB/Sci Lab(spoken tutorial) program to evaluate the step responses of unity feedback system having the Open loop Transfer Function G(s)= $\dfrac{1}{(s+2)(s+3)}$
10.	Write a MATLAB/Sci Lab(spoken tutorial) program to plot the root locus and bode plot of unity feedback system having the Open loop Transfer Function G(s)= $\dfrac{1}{(s+2)(s+3)}$

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure
*Lab performance for each experiment equals 5 marks.
*Viva for each experiment carries 2 marks
*20 objective questions each of 0.5 marks in lab quiz test.
*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Lab In charge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: VII
Course	: B.Tech.	Subject Code	: BEE7501
Branch	: EE	Subject Name	: Electric Drive lab
Group	: 71	Room No.	: MW 110

Name of Faculty Lab Incharge	:	Mr. Abhishek Kumar		P	C
Name of Lab Instructor	:	Prince Kumar Singh		2	1

S.No.	Name of the Experiment
1.	To study speed control of separately excited dc motor using single phase dual converter (Static Ward-Leonard Control)
2.	To study speed control of separately excited dc motor using MOSFET/IGBT chopper
3.	To study speed control of three phase induction motor using three phase voltage source inverter
4.	To study speed control of three phase slip ring induction motor using static rotor resistance control using rectifier and chopper.
5.	To study speed control of three phase induction motor using three phase ac voltage controller
6.	To study four quadrants separately excited DC motor Drives.
7.	To study speed control of separately excited dc motor by varying armature voltage using single-phase half controlled bridge converter.
8.	To study speed control of separately excited dc motor by varying armature voltage using single-phase fully controlled bridge converter.

Experiment based on Matlabs/Sci Lab (Spoken Tutorial):

9.	To study starting transient response of separately excited dc motor
10.	To study speed control of three phase induction motor using (a) constant/V/F control (b) Constant Voltage and frequency control

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:

❖ Lab performance for each exp.---- 5marks
❖ Viva for each exp. ------------------2 marks
❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

Abhishek

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III
Course	: B.Tech.	Subject Code	: BEC 3505
Branch	: EE	Subject Name	: Electronics Lab
Group	: 31	Room No.	: MW 009

Name of Faculty Lab Incharge : Naveed Suhail

Name of Lab Instructor : Vinod Shukla

P	C
2	1

S.No.	Name of the Experiment
1.	To plot V-I characteristics of Junction diode and Zener Diode.
2.	To draw wave shape of the electrical signal at input and output points of the half wave, full wave bridge rectifiers using SCILAB(Spoken Tutorial)
3.	To plot input / output characteristics of FET and determine FET parameters at a given operating point.
4.	To determine voltage gain, current gain, input impedance and output impedance of common emitter amplifier.
5.	To study transistor as a switch and determine load voltage and load current when the transistor is ON using SCILAB(Spoken Tutorial)
6.	To study operation of Op-Amp based astable and monostable multivibrators.
7.	To study of operation of stable and mono stable multivibrator Using ICs 555.
8.	To study operation of (a) multiplexer using IC 74150(b) Demultiplexer using IC 74138.
9.	To study operation of Adder, Subtractor using 4 bit/8 bit IC 7483.
10.	To verify experimentally o/p of A/D and D/A converter.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure
*Lab performance for each experiment equals 5 marks.
*Viva for each experiment carries 2 marks
*20 objective questions each of 0.5 marks in lab quiz test.
*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

Naveed 12/09/17

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	Semester	: IV
Course	: B.Tech.	Subject Code	: BEE4502
Branch	: EE	Subject Name	: EMEC- I LAB
Group	: 41	Room No.	: M/E (107)

Name of Faculty Lab Incharge : Mr. Sandeep Dixit
Name of Lab Instructor : Mr. Prince Kr. Singh

P	C
2	1

S.No.	Name of the Experiment
1.	To obtain speed control of DC shunt motor (a) Armature Resistance control (b) Field control.
2.	To obtain speed –Torque characteristics of DC shunt motor.
3.	To obtain Efficacy of DC shunt Machine using swinburn's test .
4.	To obtain 3-phase to 2-phase conversion by scott connection.
5.	To study OC & SC test of single phase and three phase transformer. Also performed with **Sci Lab** (**Spoken Tutorial**).
6.	To obtain efficiency and voltage regulation of a single phase transformer by Sumpner's test.
7.	To obtain load characteristics of D.C compound generator (a) Cumulatively compound (b) Differentially compounded.
8.	To perform Hopkinson's test and determine losses and efficiency of DC machine.
9.	To obtain magnetization characteristics of DC shunt generator. Also performed with **Sci Lab** (**Spoken Tutorial**).
10.	To obtain speed control of DC separately excited motor using Conventional Ward – leonard method.

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:
- ❖ Lab performance for each exp.--- 5marks
- ❖ Viva for each exp. ------------------2 marks
- ❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V
Course	: B.Tech.	Subject Code	: BEE 5501
Branch	: EE	Subject Name	: EMEC-2
Group	: 51	Room No.	: MW 007

		P	C
Name of Faculty Lab In charge	: Mr. Sandeep Dixit	2	1
Name of Lab Instructor	: Prince kumar Singh		

S.No.	Name of the Experiment
1.	To perform no load and blocked rotor tests on a three phase squirrel cage induction motor and determine equivalent circuit.
2.	To perform no load and blocked rotor tests on a single phase induction motor and determine equivalent circuit.
3.	To determine V-curves and inverted V-curves of a three phase synchronous motor.
4.	To study synchronization of an alternator with the infinite bus by using:(i)dark lamp method (ii) two bright and one dark lamp method
5.	To determine Xd and Xq of a three phase salient pole synchronous machine using the slip test and draw the power-angle curve.
6.	To measure the direct axis subtransient reaction of synchronous machine
7.	To measure the quadracture axis subtransient reaction of synchronous machine
8.	To perform open circuit and short circuit tests on a three phase alternator and determine voltage regulation at full load and at UNITy, 0.8 lagging and leading power factors by (i) EMF method (ii) MMF method.
	EXPERIMENT BASED ON MATLAB:
9.	Calculate the motor efficiency and its excitation EMF and Power Angle by Sci Lab (spoken Tutorial)
10.	Calculate induction motor performance using parameter of approximate circuit model by Sci Lab (spoken Tutorial)

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure

*Lab performance for each experiment equals 5 marks.

*Viva for each experiment carries 2 marks

*20 objective questions each of 0.5 marks in lab quiz test.

*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Lab In charge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III
Course	: B.Tech.	Subject Code	: BEE3501
Branch	: EE	Subject Name	: ELECTRICAL SIMULATION LAB
Group	: 31	Room No.	: MW 105
Name of Faculty Lab Incharge	: Abhishek Kumar		
Name of Lab Instructor	: K C Swain		

	P	C
	2	1

S.No.	Name of the Experiment
1.	To obtain thevenin's equivalent circuit of a resistive network .
2.	To obtain transient response of a series RLC circuit for step voltage input.
3.	To obtain transient response of a parallel RLC circuit for step current input.
4.	To verify truth table of NOT , AND or OR gates implemented by NAND gates by plotting their digital input and output signal.
5.	To determine ZYGH and transmission parameter of a two port network .
6.	To determine node voltage and branch currents in a resistive network .
7.	To obtain frequency response of a series RLC circuit for sinusoidal voltage input.
8.	To obtain output characteristics of CE NPN transistor .

Experiment based on Matlabs/Sci Lab (Spoken Tutorial)

9.	To obtain frequency response of RC coupled CE amplifier .
10.	To obtain frequency response of an OP – AMP integrator circuit.

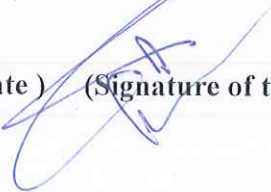**Evaluation Process**

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:

- ❖ Lab performance for each exp.--- 5marks
- ❖ Viva for each exp. ------------------2 marks
- ❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V
Course	: B.Tech.	Subject Code	: BEE 5503
Branch	: EE	Subject Name	: Instrumentation Lab
Group	: 51	Room No.	: MW 103

		P	C
Name of Faculty Lab Incharge	: Mr. Naveed Suhail		
Name of Lab Instructor	: K. C. Swain	2	1

S.No.	Name of the Experiment
1.	Measurement of displacement using LVDT.
2.	Measurement of displacement using strain gauge based displacement transducer.
3.	Measurement of displacement using magnetic pickup.
4.	Measurement of load using strain gauge based load cell.
5.	Measurement of water level using strain gauge based water level transducer.
6.	Measurement of flow rate by anemometer.
7.	Measurement of temperature by RTD.
8.	Measurement of temperature by thermocouple.
9.	Study of P, PI and PID controllers using SCILAB(Spoken Tutorial)
10.	Determination of characteristics of a solid state sensor/fibre-optic sensor.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure

*Lab performance for each experiment equals 5 marks.

*Viva for each experiment carries 2 marks

*20 objective questions each of 0.5 marks in lab quiz test.

*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

Naveed. 12/09/17

(Signature of the Faculty Lab In charge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: I		
Course	: M.Tech.	Subject Code	: MEE1501		
Branch	: EE	Subject Name	: Power System lab		
Group	: 11	Room No.	: Mechanical work Shop		
Name of Faculty Lab Incharge	: Sandeep Dixit			P	C
Name of Lab Instructor	: Prince Kumar Singh			2	1

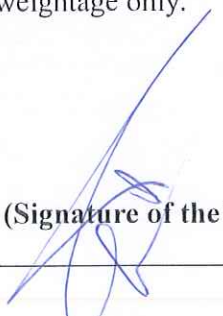| S.No.	Name of the Experiment
1.	To Study of Bucholz relay.
2.	To determine the characteristics of inverse time current relay.
3.	To determine the dielectric strength of transformer oil.
4.	Separation of eddy current & iron losses of single phase transformer.
5.	To Study of 3-phase fault (Line to line and Line to ground) on synchronous machine.
6.	To perform slip test on synchronous machine and to determine d-axis (Xd) & q-axis (Xq) reactances.
7.	To measure the quadrature axis sub transient reactance(Xq") and the direct axis sub transient reactance(Xd") of synchronous machine.
8.	To study the open circuit test and short circuit test of three phase synchronous generator.
9.	Y_{bus} matrix using MatLab for 13 bus system. Or Via Sci Lab (Spoken Tutorial)
10.	Gauss-seidel analysis Using MatLab

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:

❖ Lab performance for each exp.--- 5marks
❖ Viva for each exp. -------------------2 marks
❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	Semester	: II		
Course	: M.Tech.	Subject Code	: MEE 2503		
Branch	: EE	Subject Name	: Modeling & simulation of power electronic systems lab		
Group	: EE 21	Room No.	: B2-004		
Name of Faculty Lab Incharge	: Vijay Singh Chauhan			P	C
Name of Lab Instructor	: Mr. Prince kumar singh			2	1

S.No.	Name of the Experiment
1.	Study on the 'D-Q-0' transformation in various frames of reference.
2.	Dynamic performance of an induction motor during a 3-phase fault at the machine terminals.
3.	Dynamic performance of a synchronous machine using 'D-Q-0' model, during a sudden change in input torque.
4.	Study on Sine-triangle PWM scheme for a 3-phase VSI.
5.	Study on SVM scheme for a 3-phase VSI.
6.	Study on Selective Harmonic elimination scheme for a 3-phase VSI.
7.	Simulation of Three phases inverter with PWM controller using **Sci Lab (Spoken tutorial).**
8.	Simulation of resonant pulse commutation circuit using **Sci Lab (Spoken tutorial).**
9.	Simulation of impulse commutation circuit.
10.	Simulation of three phase ac voltage controller.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure(internal)

7 Marks given for each performance of practical (10X7 = 70)

Assessment Procedure(External)

For external evaluation, an external expert will be appointed who will evaluate the students for 20 marks where students will perform an experiment and appear for viva voce

(Signature of the Faculty Lab Incharge with date)   **(Signature of the Dean with date)**

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: III
Course	: B.Tech.	Subject Code	: BEE3502
Branch	: EE	Subject Name	: Network Lab
Group	: 31	Room No.	: MW 009

Name of Faculty Lab Incharge : Mr. Chetan Srivastava

Name of Lab Instructor : Vinod Shukla

P	C
2	1

S.No.	Name of the Experiment
1.	Verification of principle of superposition with DC and AC sources.
2.	Verification of thevenin's , Nortan and Maximum Power transfer theorems in AC circuits.
3.	Verification of tellegin's theorem for two network of same topology.
4.	Determination of transient response of current in RL and RC circuit with step voltage input .
5.	Determination of transient response of current in RLC circuit with step voltage input for under damp , critically damp and over damp cases.
6.	Determination of frequency response of current in RLC circuit with sinusoidal AC input .
7.	Determination of Z and H parameter (dc only) for a network and computation of Y and ABCD parameter and also perform experiment with **Sci Lab (spoken tutorial).**
8.	Determination of driving point and transfer function of two port ladder network and verify with theoretical values and also perform experiment with **Sci Lab (spoken tutorial).**
9.	Determination of image impedance and characteristics impedance of T and π networks using OC and SC test and write demo (in MS power point).
10.	Verification of parameter properties in interconnected two port networks : series , parallel , and cascade also study loading effect in cascade.

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:

- ❖ Lab performance for each exp.--- 5marks
- ❖ Viva for each exp. -------------------2 marks
- ❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	Semester	: IV
Course	: B.Tech.	Subject Code	: BEE 4501
Branch	: EE	Subject Name	: Measurement Lab
Group	: 41	Room No.	: ME Block

		P	C
Name of Faculty Lab Incharge	: Mr. Shubham Mishra	2	1
Name of Lab Instructor	: Mr. Prince Kumar Singh		

S.No.	Name of the Experiment
1.	Calibration of ac voltmeter and ac ammeter
2.	Measurement of phase difference and frequency of a sinusoidal ac voltage using C.R.O.
3.	Measurement of low resistance by Kelvin's double bridge
4.	Measurement of inductance by Maxwell's bridge also perform experiment using Sci Lab (spoken tutorial).
5.	Measurement of inductance by Hay's bridge also perform experiment using Sci Lab (spoken tutorial).
6.	Measurement of inductance by Anderson's bridge
7.	Measurement of capacitance by Owen's bridge
8.	Measurement of capacitance by Schering bridge
9.	Measurement of capacitance by De Sauty bridge
10.	Measurement of power and power factor of a single phase inductive load

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure

*Lab performance for each experiment equals 5 marks.

*Viva for each experiment carries 2 marks

*20 objective questions each of 0.5 marks in lab quiz test.

*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Lab In charge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	**Semester**	: VI		
Course	: B.Tech.	**Subject Code**	: BEE6504		
Branch	: EE	**Subject Name**	: EMAC- Lab		
Group	: 61,62,63,64	**Room No.**	: M/E 105		
Name of Faculty Lab Incharge		Shubham Mishra,Chetan Srivastava,Yashwant Kr. Singh		**P**	**C**
Name of Lab Instructor		K.C swain, Vinod kr. Shukla		2	1

S.No.	Name of the Experiment
1.	To determine response of first order & second order system for step input for various values of constant K using linear simulator UNIT and compare theoretical and practical result.
2.	To study P, PI & PID temperature controller for oven and compare their performance and also performed experiment using **Sci Lab(spoken tutorial)**.
3.	To study and calibrate temperature using resistance temperature detector (RTD).
4.	To design lag, lead and lag- lead compensators using Bode plot and also performed experiment using **Sci Lab (spoken tutorial)**.
5.	To study DC position control system.
6.	To study synchro- transmitter and receiver and obtain output V/S input characteristics.
7.	To study performance of servo voltage stabilizer at various loads using load bank.
8.	To study behavior of dc motor control system in open loop and close loop.
9.	To perform load test on a 3- phase induction motor and determine (a) speed – torque characteristics (ii) power factor v/s line current characteristics.
10.	To study speed control of a 3- phase induction motor using (a) Voltage control (b) Constant (voltage/frequency) control.

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:

❖ Lab performance for each exp.--- 5marks
❖ Viva for each exp. -------------------2 marks
❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2016-17(Even Sem.)	Semester	: IV
Course	: B.Tech.	Subject Code	: BEC 4506
Branch	: EE	Subject Name	: Micro Processor Lab
Group	: 41	Room No.	: B2 -309

Name of Faculty Lab In- charge	:	Mr. Naveed Suhail		P	C
Name of Lab Instructor	:	Mr. Akash Jaiswal		2	1

S.No.	Name of the Experiment
1.	Add / Sub / Multiply / Divide two Hexadecimal numbers using SCILAB(Spoken Tutorial)
2.	Multiply / Divide two Hexadecimal numbers.
3.	Find sum of series of numbers.
4.	Addition and subtraction of two 16 bit numbers.
5.	Find smallest/largest number from array of n numbers. .
6.	Arrange numbers in array in ascending / descending order using SCILAB(Spoken Tutorial)
7.	Perform block transfer data using string instructions.
8.	Compare two strings using string instructions.
9.	Convert Hex to decimal. /decimal to Hex.
10.	To find Square Root of a given number using SCILAB(Spoken Tutorial)

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	NO
• With External Examiner (Yes / No)	=	YES

Assessment Procedure
*Lab performance for each experiment equals 5 marks.
*Viva for each experiment carries 2 marks
*20 objective questions each of 0.5 marks in lab quiz test.
*Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Member with date) 20/01/17

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: VII
Course	: B.Tech.	Subject Code	: BEE7502
Branch	: EE	Subject Name	: Power System lab
Group	: 71	Room No.	: MW 007

Name of Faculty Lab Incharge	:	Mr. Manish k Madhav		P	C
Name of Lab Instructor	:	Prince Kumar Singh		2	1

S.No.	Name of the Experiment
1.	To study operation of oil testing set
2.	To study percentage differential relay
3.	To determine fault current for L-G, L-L, L-L-G and L-L-L faults at the terminals of an alternator at very low excitation
4.	To study the IDMT over current relay and determine the time current characteristics
5.	To study Ferranti effect and voltage distribution in H.V. long transmission line using transmission line model
6.	To determine sub transient direct axis reactance (xd) and sub transient quadrature axis reactance (xq) of an alternator
7.	To determine direct axis reactance (xd) and quadrature axis reactance (xq) of a salient pole alternator
8.	To study three phase fault using numeric and over current earth faulty relay

9.	To obtain formation of Y bus using SCI LAB (Spoken Tutorial)
10.	To perform Symmetrical fault analysis in a power system using SCI LAB (Spoken Tutorial)

Evaluation Process

Total Marks	100
(I) Continuous Internal Evaluation	80
(a)Teacher Assessment Marks	70 (7 marks for each practical)
(b)Lab Quiz Test	10
(II) End Semester Exam	20
With Internal Examiner (Yes / No)	No
With External Examiner (Yes / No)	Yes

Assessment Procedure:
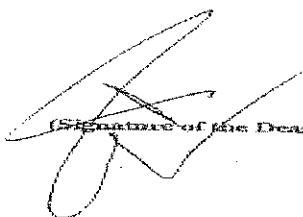- ❖ Lab performance for each exp.--- 5marks
- ❖ Viva for each exp. -------------------2 marks
- ❖ 20 objectives question each of 0.5 marks.

Student can perform the experiment with full weightage within a week if he remains absent on the scheduled lab day. There after experiment evaluation will be done with 50% weightage only.

(Signature of the Faculty Lab Incharge with date)   (Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18 (Odd Sem.)	Semester	: III
Course	: M. Sc.	Subject Code	: MSB 3507
Branch	: BT	Subject Name	: Bioprocess Engineering and Technology Lab
Group	: 31	Room No.	: B1-101/102

Name of Faculty Lab Incharge : Ms. Niharika Chandra
Name of Lab Instructor : Mr. J. P. Verma

P	C
2	1

S. No.	Name of the Experiment
1.	To determine specific growth rate of given bacterial culture.
2.	Production of Amylase from bacteria by shake flask fermentation.
3.	Recovery of protein from fermented broth and salt precipitation of crude enzyme extract.
4.	Partial purification of enzyme extract by dialysis and enzyme assay.
5.	To determine the thermal death point for given bacterial culture.
6.	To study the effect of salt concentration on bacterial growth.
7.	To perform alcohol fermentation using *Saccharomyces Cerevisiae* MTCC 170 at laboratory scale.
8.	Cell designer via spoken tutorial: Drawing and editing process flow diagrams.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 [7 x 9 (Exp) + 1 x 7(spoken tutorial)] Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Each Lab Day will carry 9 (Experiment) / 7 (spoken tutorial) marks and the process of assessment will be:

a) Attendance – 2/1 marks
b) Practical performance and record- 4/4 marks
c) Viva-Voce – 3/2 marks

After completion of practical students will be informed to read about the experiment carefully and they will be assessed based on practical performance (same day) and viva on the next practical day.

*Those students who have not performed the practical will be allowed to perform on any working day whenever the student get time out of their class and the record for the same will be maintained by the Lab Instructor. The same has to be shown to the faculty same day. Such students will not be awarded marks (Zero marks will be awarded) for the same at that time.

Niharika Chandra
20/02/17

(Signature of the Faculty Lab Incharge with date)

Sanjay

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18 (Odd Sem.)	Semester	: III
Course	: B.Tech	Subject Code	: BBT3502
Branch	: BT	Subject Name	: Cell and Microbiology Lab
Group	: 31,32	Room No.	: B1-101/ B1-102

Name of Faculty Lab Incharge : Dr. Prachi Bhargava
Name of Lab Instructor : Mr. J.P. Verma

P	C
4	2

S.No.	Name of the Experiment
1.	Study of different stages of mitosis through already prepared slides
2.	Preparation of media (Luria Bertani broth and agar)
3.	Isolation of microbes from soil sample and determination of the number of colony forming units
4.	To perform Gram staining of a given culture
5.	To plot the growth curve of provided bacterial culture
6.	To perform osmosis in resins.
7.	Isolation if chloroplast from spinach leaves
8.	Cell designer via spoken tutorial: To change a protein residue

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	(experiment 1-7) 7x 9=63 marks +(experiment 8)1x7=7, Total=70
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

For Experiment 1-7 each Lab Day will carry 9 marks and the process of assessment will be:
a) Attendance – 2 marks
b) Record Maintenance -2 marks
c) Lab performance – 3 marks
d) Viva-Voce – 2 marks

For Experiment 8 the lab day will carry 7 marks and the process of assessment will be:
a) Attendance-1 marks
b) Record maintenance – 2 marks
c) Lab performance – 3 marks
d) Viva Voce- 1 mark

Bhargava
20/7/17

(Signature of the Faculty Lab Incharge with date)

Sanjit

(Signature of the Director with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18 (Odd Sem.)	Semester	: III		
Course	: B. Tech.	Subject Code	: BBT 3501		
Branch	: BT	Subject Name	: BIOCHEMISTRY LAB		
Group	: 31, 32	Room No.	: B1-106		
Name of Faculty Lab Incharge	: Ms. Niharika Chandra			**P**	**C**
Name of Lab Instructor	: Mr. Anil Mishra			2	1

S. No.	Name of the Experiment
1.	To prepare solutions: percentage solution, molar solution, normal solution.
2.	To prepare 1M phosphate buffer of pH 7.
3.	To perform qualitative test for carbohydrates (Molisch's test, Anthrone test, Iodine test, Barfoed's test, Seliwanoff's test, Fehling's test and Benedict's test)
4.	To estimate total sugar by Anthrone method.
5.	To estimate reducing sugar by DNS method /Determine the enzyme activity of α-amylase using DNS assay.
6.	To quantitate DNA using Diphenylamine reaction.
7.	To estimate protein content of sample using Bradford method.
8.	JMol via spoken tutorial: visualization of geometrical structure of simple molecules like CO_2 and H_2O.

Evaluation Process

Total	=	100
Continuous Internal Evaluation	=	80
• Teacher Assessment Marks	=	70 [7 x 9 (Exp) + 1 x 7(spoken tutorial)] Marks
• Lab Quiz Test	=	10
End Semester Exam	=	20
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Each Lab Day will carry 9 (Experiment) / 7 (spoken tutorial) marks and the process of assessment will be:

    a) Attendance – 2/1 marks

    b) Practical performance and record- 4/4 marks

    c) Viva-Voce – 3/2 marks

After completion of practical students will be informed to read about the experiment carefully and they will be assessed based on practical performance (same day) and viva on the next practical day.

*Those students who have not performed the practical will be allowed to perform on any working day whenever the student get time out of their class and the record for the same will be maintained by the Lab Instructor. The same has to be shown to the faculty same day. Such students will not be awarded marks (Zero marks will be awarded) for the same at that time.

Niharika Chandra
20/07/17

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY

LAB ACTIVITY CHART

Session	: 2017-18 (Odd Sem.)	Semester	: I
Course	: M. Tech	Subject Code	: MBT1508
Branch	: BT	Subject Name	: Bioprocess Engineering Lab
Group	: 11	Room No.	: B1-101/102

Name of Faculty Lab Incharge : Mr. Siddharth Vats
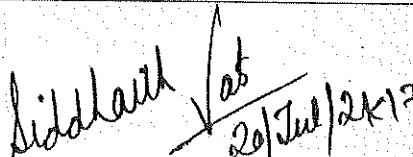Name of Lab Instructor : Mr. J.P. Verma

P	C
2	1

S.No.	Name of the Experiment
1.	To perform Solid State fermentation (SSF) in production of enzymes from metalo-tolerant amylolytic microbes.
2.	To perform Submerged State fermentation (SmF) in production of enzymes from metalo-tolerant amylolytic microbes.
3.	To design a multistage/single downstream process for isolation of intracellular products from a given microbial culture.
4.	To learn the technique of separation of biomolecules by the application of Gel filtrations chromatography
5.	To compare the growth and death kinetics of industrially important microbes produced by SSF and SmF.
6.	Production of natural antibiotics at lab scale from the microbes against pathogens present in pond water.
7.	To Estimate the activity of purified alkaline amylase in free and immobilized form with calcium alginate beads.
8.	Cell designer Via spoken tutorial: Modeling tool for bioprocess optimization.
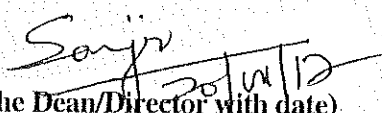
Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	**80 Marks**
• Teacher Assessment Marks	=	(7*9=63 Marks) + (7*1=7 for Spoken Tutorial) =70
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	**20 Marks**
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Each Lab Day will carry 9/7 marks and the process of assessment will be:

a) Attendance – 1/1 marks
b) Practical performance- 4/3
c) Record Maintenance -2/2 marks
d) Viva-Voce – 2/1 marks

(Signature of the Faculty Lab In charge with date)   (Signature of the Dean/Director with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: V
Course	: B.Tech	Subject Code	: BBT5501
Branch	: BT	Subject Name	: Bioinformatics lab
Group	:51,52	Room No.	: B2-004

		P	C
Name of Faculty Lab Incharge : Er. Ankita Srivastava		2	1
Name of Lab Instructor : Mr. Nusrat Ali			

S. No.	Name of the Experiment
1.	Retrieve the gene sequence in FASTA format.
2.	Determination of function of a given protein and identify its orthologous proteins.
3.	Determination of function of a given protein and identify its paralogous proteins.
4.	Perform the local alignment between the two sequences.
5.	Identify the given sequence and also find the similar sequences present in Swiss-Prot database for the following query.
6.	Perform the local alignment between the given sequences using any two variants of BLOSUM.
7.	Find whether the given pattern is present in the following protein. Also to find its homologous proteins present in Swiss-Prot database possessing the similar pattern.
8.	Biopython via Spoken Tutorial - Parsing given data using FASTA.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 [7X9 (Exp) + 1X7 (Spoken Tutorial)]Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Each Lab Day will carry 9 (Experiment) / 7 Spoken tutorial) marks and the process of assessment will be:
   a) Attendance – 2/1 marks
   b) Practical performance and record- 4/4 marks
   c) Viva-Voce – 3/2 marks

After completion of practical students will be informed to read about the experiment carefully and they will be assessed based on practical performance (same day) and viva on the next practical day.

**Those students who have not performed the practical will be allowed to perform on any working day whenever the student get time out of their class and the record for the same will be maintained by the Lab Instructor. The same has to be shown to the faculty same day. Such students will not be awarded marks (Zero marks will be awarded) for the same at that time.

Ankita 21/7/17

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean/ Director) with date)

SHRI RAMSWAROOP MEMORIAL UNIVERSITY
LAB ACTIVITY CHART

Session	: 2017-18(Odd Sem.)	Semester	: II
Course	: M.Tech	Subject Code	: MBT1509
Branch	: BT	Subject Name	: Biochemistry and Computational Biology Lab
Group	: 11	Room No.	: B2-004/B1-101/102

Name of Faculty Lab Incharge : Er. Ankita Srivastava
Name of Lab Instructor : Mr. Nusrat Ali
Mr. JP Verma

P	C
2	1

S. No.	Name of the Experiment
1.	BLASTp of the protein sequences.
2.	Multiple sequence alignment using Clustal Omega.
3.	Prediction of protein structure using RasMol.
4.	Determination of function of a given protein and identify its orthologous proteins.
5.	Estimation of total carbohydrates by Anthrone method.
6.	Estimation of the protein content of sample using Lowry's method/ Bradford method.
7.	Quantitative analysis of DNA using Diphenylamine (DPA) reaction.
8.	Biopython via Spoken Tutorial - Parsing given data using FASTA.

Evaluation Process

Total	=	100 Marks
Continuous Internal Evaluation	=	80 Marks
• Teacher Assessment Marks	=	70 [7X9 (Exp) + 1X7 (Spoken Tutorial)]Marks
• Lab Quiz Test	=	10 Marks
End Semester Exam	=	20 Marks
• With Internal Examiner (Yes / No)	=	No
• With External Examiner (Yes / No)	=	Yes

Assessment Procedure

Each Lab Day will carry 9 (Experiment) / 7 Spoken tutorial) marks and the process of assessment will be:
a) Attendance – 2/1 marks
b) Practical performance and record- 4/4 marks
c) Viva-Voce – 3/2 marks

After completion of practical students will be informed to read about the experiment carefully and they will be assessed based on practical performance (same day) and viva on the next practical day.

**Those students who have not performed the practical will be allowed to perform on any working day whenever the student get time out of their class and the record for the same will be maintained by the Lab Instructor. The same has to be shown to the faculty same day. Such students will not be awarded marks (Zero marks will be awarded) for the same at that time.

(Signature of the Faculty Lab Incharge with date)

(Signature of the Dean/Director With date)

B.COM. (HONS.)
I Year: I Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BHU1001	Functional English	3	0	-	40	60	100	3
2.	BCS1002	Computer Foundation Course	3	0	-	40	60	100	3
3.	BMA1003	Basic Mathematics*	3	2	-	40	60	100	4
4.	BMG1003	Business Organization	3	1	-	40	60	100	3
5.	BMG1001	Introduction to Management	3	1	-	40	60	100	3
6.	BCM1001	Fundamentals of Accountancy	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7.	BCS1503	Computer Foundation Lab	-	-	2	80	20	100	1
8.	BHU1501	English Language Lab	-	-	2	80	20	100	1
		Total	18	5	4	400	400	800	21

*With the help of Computers.

L   - Lecture
T   -Tutorial
P   -Practical
CIE   -Continuous Internal Evaluation
ESE   -End Semester Exam
C   - Credit

Signature of the Dean

Signature of the Director

Signature of the VC

Date: 1/08/2017

Volume No.: I

B.COM. (HONS.)
I Year: II Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BST2001	Introduction to Business Statistics*	3	2	-	40	60	100	4
2.	BEM2001	Applied Micro Economics	3	1	-	40	60	100	3
3.	BMG2001	Introduction to Marketing	3	1	-	40	60	100	3
4.	BES2001	Environmental Studies	2	0	-	20	30	50	2
5.	BMG2003	Business Environment	3	1	-	40	60	100	3
6.	BCM2001	Corporate Accounting	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BMG2501	Introduction to SPSS	-	-	4	80	20	100	2
8.	BCM2501	Industrial Visit-I	-	-	-	100	-	100	1
		Total	17	6	4	400	350	750	21

*With the help of Computers.

Signature of the Dean Signature of the Director Signature of the VC

Date: 1 | 08 | 2017

Volume No.: I

B.COM. (HONS.)
II Year: III Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BEM3001	Macro Economics	3	1	-	40	60	100	3
2.	BMG3001	Introduction to Human Resource Management	3	1	-	40	60	100	3
3.	BCM3001	Methods and Techniques of Cost Accounting*	3	1	-	40	60	100	3
4.	BCM3002	Advanced Accounts*	3	1	-	40	60	100	3
5.	BCM3003	Introduction to Financial Management* #	3	1	-	40	60	100	3
6.	BCM3004	Fundamentals of Insurance	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BCM3501	Business Accounting Software (Tally)	-	-	4	80	20	100	2
8.	BCM3503	Industrial Visit-II	-	-	-	100	-	100	1
		Total	18	6	4	420	380	800	21

*With the help of Computers.

Libre-calc via Spoken Tutorial

		University Mandatory Non-Credit Course							
1.	XHUX601	Human Values and Ethics	2	-	-	100	-	100	0

Signature of the Dean

Signature of the Director

Signature of the VC

Date:

Volume No.: I

B.COM. (HONS.)
II Year: IV Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BMG4006	E-Commerce	3	1	-	40	60	100	3
2.	BHU4020	Applied Technical Communication	4	1	-	40	60	100	4
3.	BCM4002	Financial Institutions	3	1	-	40	60	100	3
4.	BCM4003	Banking Law and Practices	3	1	-	40	60	100	3
5.	BCM4004	Accounts for Decision Making	3	1	-	40	60	100	3
6.	BCM4005	Indirect Taxes*	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BCM4501	Special Assignment: Study of Company Balance Sheet	-	-	2	100	-	100	1
8.	BSS4501	Soft Skill	-	-	2	100	-	100	1
9.	BCM4502	Industrial Visit-III	-	-	-	100	-	100	1
		Total	19	6	4	540	360	700	22

*With the help of Computers.

Signature of the Dean   Signature of the Director   Signature of the VC

Date: 1 08 2017

Volume No.: I

B.COM. (HONS.)
III Year: V Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BMG5001	Corporate Governance and Business Ethics	3	1	-	40	60	100	3
2.	BMG5003	Business Law	3	1	-	40	60	100	3
3.	BCM5001	Public Finance	3	1	-	40	60	100	3
4.	BCM5002	Financial Statement Analysis*#	3	1	-	40	60	100	3
5.	BCM5003	Income Tax* #	3	1	-	40	60	100	3
6.	---	Specialization -1	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BCM5501	Summer Internship	-	-	2	-	100	100	1
8.	BSS5501	Soft Skill	-	-	2	100	-	100	1
9.	BCM5502	Industrial Visit-IV	-	-	-	100	-	100	1
		Total	18	6	4	440	460	900	21

* With the help of Computers

Libre-calc via Spoken Tutorial

Signature of the Dean   Signature of the Director   Signature of the VC   Date: 1/06/2017   Volume No.: I

B.COM. (HONS.)
III Year: VI Semester

S. No	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BCM6001	Principles of Auditing	3	1	-	40	60	100	3
2.	BCM6002	Corporate Law	3	1	-	40	60	100	3
3.	BCM6003	Specialized Accounting	3	1	-	40	60	100	3
4.	BCM6004	International Trade	3	1	-	40	60	100	3
5.	---	Specialization Paper-2	3	1	-	40	60	100	3
6.	---	Specialization Paper-3	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BMG6501	Project- Preparation of a Business Plan	-	-	2	100	-	100	2
8.	BCM6501	Comprehensive Viva	-	-	-	-	100	100	2
9.	BCM6502	Industrial Visit-V	-	-	-	100	-	100	1
		Total	18	6	2	440	460	900	23

Signature of the Dean

Signature of the Director

Signature of the VC

Date: 1 / 08 / 2017

Volume No.: I

Specialization : B.COM. (HONS.)

S. No.	Subject Code	Subject	Semester
Specialization Group : Marketing			
1.	BMG5001-MK	Customer Relationship Management	V Semester
2.	BMG6001-MK	Retailing	VI Semester
3.	BMG6002-MK	Sales and Distribution Management	VI Semester
Specialization Group : Accounting & Finance			
1.	BCM5001-AF	Corporate Tax Planning	V Semester
2.	BCM6001-AF	Indian Accounting Standards	VI Semester
3.	BCM6002-AF	Emerging Trends in Accounting	VI Semester
Specialization Group : Human Resource			
1.	BMG5002-HR	Human Resource Development	V Semester
2.	BMG6001-HR	Performance Appraisal and Compensation	VI Semester
3.	BMG6003-HR	Industrial Relations	VI Semester
Specialization Group : Banking and Insurance			
1.	BCM5001-BI	Money and Banking	V Semester
2.	BCM6001-BI	Retail Banking	VI Semester
3.	BCM6002-BI	Life Insurance Products and Concepts of Reinsurance	VI Semester

Signature of the Dean   Signature of the Director   Signature of the VC

Date: 1|08|2017

Volume No.: I

BBA
I Year: I Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BHU1001	Functional English	3	0	-	40	60	100	3
2.	BCS1002	Computer Foundation Course	3	0	-	40	60	100	3
3.	BMA1003	Basic Mathematics	3	2	-	40	60	100	4
4.	BMG1003	Business Organization	3	1	-	40	60	100	3
5.	BCM1001	Fundamentals of Accountancy	3	1	-	40	60	100	3
6.	BMG1001	Introduction to Management	3	1	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BCS1503	Computer Foundation Lab	-	-	2	80	20	100	1
8.	BHU1501	English Language Lab	-	-	2	80	20	100	1
		Total	18	5	4	400	400	800	21

L - Lecture
T - Tutorial
P - Practical
CIE - Continuous Internal Evaluation
ESE - End Semester Exam
C - Credit

Signature of the Dean   Signature of the Director   Signature of the VC

Date: 01-08-2017
Volume No.: I

SHRI RAMSWAROOP
MEMORIAL UNIVERSITY

STUDY & EVALUATION SCHEME
(Effective from the session 2016-2017)

BBA
I Year: II Semester

* From session 2017-18 onwards Introduction to Human Resource Management (BMG2007) shall run in place of Business Environment (BMG2003).

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
		THEORY							
1.	BST2001	Introduction to Business Statistics	3	2	-	40	60	100	4
2.	BEM2001	Applied Micro Economics	3	1	-	40	60	100	3
3.	BMG2001	Introduction to Marketing	3	1	-	40	60	100	3
4.	BES2001	Environmental Studies	2	-	-	20	30	50	2
5.	BMG2003/ BMG2007	Business Environment/ Introduction to Human Resource Management*	3	1	-	40	60	100	3
6.	BHU2001	Advanced Functional English	3	-	-	40	60	100	3
		PRACTICAL/TRAINING/PROJECT							
7.	BMG2501	Introduction to SPSS	-	-	4	80	20	100	2
8.	BMG2503	Industrial Visit-I	-	-	-	100	-	100	1
		Total	17	5	4	400	350	750	21

Signature of the Dean

Signature of the Director

Signature of the VC

Date: 01-08-2017

Volume No.: I

BBA
II Year: III Semester
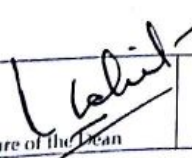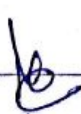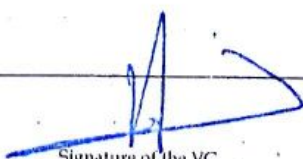
S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BCS3003	Introduction to MIS	3	1	-	40	60	100	3
2.	BEM3001	Macro Economics	3	1	-	40	60	100	3
3.	BCM3001	Methods and Techniques of Cost Accounting	3	1	-	40	60	100	3
4.	BCM3003	Introduction to Financial Management #	3	1	-	40	60	100	3
5.	BMG3001/ BMG3007	Introduction to Human Resource Management/ Business Environment*	3	1	-	40	60	100	3
6.	BMG3005	Operations Management	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7.	BMG3501	Assignment on Business Problem Framing	-	-	2	100	-	100	1
8.	BMG3502	Industrial Visit-II	-	-	-	100	-	100	1
		Total	18	6	2	440	360	800	20

* From session 2017-18 onwards Business Environment (BMG3007) shall run in place of Introduction to Human Resource Management (BMG3001).

Libre-calc via Spoken Tutorial

		University Mandatory Non-Credit Course							
1.	XHUX601	Human Values and Ethics	2	-	-	100	-	100	0

Signature of the Dean	Signature of the Director	Signature of the VC	Date:_____ Volume No.:_____

BBA
II Year: IV Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BHU4020/ BMG4012	Applied Technical Communication/ Behavioral Sciences*	4/3	1	-	40	60	100	4/3
2.	BMG4002	Services Management	3	1	-	40	60	100	3
3.	BMG4003	Project Management	3	1	-	40	60	100	3
4.	BMG4004/ BMG4013	International Business/ Business Law**	3	1	-	40	60	100	3
5.	BMG4005	Introduction to Strategic Management	3	1	-	40	60	100	3
6.	BMG4006	E-Commerce	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7.	BMG4501	Seminar	-	-	2	100	-	100	1
8.	BSS4501	Soft Skill	-	-	2	100	-	100	1
9.	BMG4502	Industrial Visit-III	-	-	-	100	-	100	1
		Total	19/18	6	4	540	360	900	22/21

*This subject is being shifted from II Semester to IV Semester and Applied Technical Communication (BHU4020) shall be removed from IV Semester for 2017-2018 onwards.

**From session 2017-18 onwards Business Law (BMG4013) shall run in IV semester in place of International Business (BMG4004).

Signature of the Dean   Signature of the Director   Signature of the VC

Date: 01-08-2017

Volume No.: I

BBA
III Year: V Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BMG5001	Corporate Governance and Business Ethics	3	1	-	40	60	100	3
2.	BMG5002/ BCM5005	Financial Services/ Corporate Law*	3	1	-	40	60	100	3
3.	BMG5003/ BMG5012	Business Law/ International Business**	3	1	-	40	60	100	3
4.	BCM5003	Income Tax #	3	1	-	40	60	100	3
5.	---	Specialization: Paper 1	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
6.	BMG5501	Summer Training	-	-	2	-	100	100	1
7.	BMG5502	Seminar	-	-	2	100	-	100	1
8.	BSS5501	Soft Skill	-	-	2	100	-	100	1
9.	BMG5503	Industrial Visit-IV	-	-	-	100	-	100	1
		Total	15	5	6	500	400	900	19

*From session 2017-18 onwards Corporate Law (BCM5005) shall run in V semester in place of Financial Services (BMG5002).

**From session 2017-18 onwards International Business (BMG5012) shall run in V semester in place of Business Law (BMG5003).

Libre-calc via Spoken Tutorial

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Volume No. I

BBA
III Year: VI Semester

S. No.	Subject Code	Subjects	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BCM6002/ BMG6014	Corporate Law/ Financial Services*	3	1	-	40	60	100	3
2.	BMG6003	Entrepreneurship	3	1	-	40	60	100	3
3.	---	Specialization: Paper 2	3	1	-	40	60	100	3
4.	---	Specialization: Paper 3	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
5.	BMG6501	Project - Preparation of a Business Plan	-	-	2	100	-	100	2
6.	BMG6502	Comprehensive Viva	-	-	-	100	-	100	2
7.	BMG6504	Industrial Visit-V	-	-	-	100	-	100	1
Total			12	4	2	460	240	700	17

*From session 2017-18 onwards Financial Services (BMG6014) shall run in VI semester in place of Corporate Law (BCM6002).

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Specialization – BBA

SPECIALIZATIONS: (BBA)

S. No.	Subject Code	Subject	Semester
Specialization Group : Marketing			
1.	BMG5001-MK	Customer Relationship Management	V Semester
2.	BMG6001-MK	Retailing	VI Semester
3.	BMG6002-MK	Sales and Distribution Management	VI Semester
Specialization Group : Finance			
1.	BMG5001-FM	Working Capital Management	V Semester
2.	BMG6001-FM	Indian Financial System	VI Semester
3.	BMG6002-FM	Managing Personal Finance	VI Semester
Specialization Group : Human Resource			
1.	BMG5001-HR	Basics of Labour Laws	V Semester
2.	BMG6001-HR	Performance Appraisal and Compensation	VI Semester
3.	BMG6002-HR	Team Building and Leadership	VI Semester

Signature of the Dean   Signature of the Director   Signature of the VC

Date 01-08-2017

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