

DEPTT. : ELECTRONICS & COMMUNICATION DEPARTMENT	LABORATORY: Elements of Electronics Engg. (EL- 109E)	SEMESTER : I
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### LIST OF EXPERIMENTS

S.NO	EXPERIEMENT	EXPERIMENT NO.
1	To study the half wave & full wave rectifier.	ECE-EEE-EX-01
2	To study the effect of various filters circuits.	ECE-EEE-EX-02
3	To study the characteristics of pnp & npn transistor in common amitter & determine H- parameter from characteristics	ECE-EEE-EX-03
4	To study the characteristics of pnp & npn transistor in CB & determine h-parameter from characteristics	ECE-EEE-EX-04
5	To determine the $A_v$ , $A_i$ of RC coupled CE transistor amplifier	ECE-EEE-EX-05
6	Determine the frequency of oscillation in herteley oscillator	ECE-EEE-EX-06
7	Determine the frequency of oscillation in phase shift oscillator	ECE-EEE-EX-07
8	Determine the effect of negative feedback on bandwidth & gain in CE, RC coupled amplifier	ECE-EEE-EX-08
9	Study TC Op-Amp as a inverting amplifier & scale changer	ECE-EEE-EX-09
10	Study IC Op-Amp as a non inverting amplifier	ECE-EEE-EX-10
11	Study IC Op-Amp as an integrator	ECE-EEE-EX-11
12	Study IC Op-Amp as a differentiator	ECE-EEE-EX-12
13 *	To measure and study the output characteristics of JFET.	

\* Beyond Syllabus Curricula .

  
(Prof. Sorabh Gupta)  
Director HIET

DEPTT. : ELECTRONICS & COMMUNICATION ENGG. DEPARTMENT	LABORATORY:-Analog Communication ( ECE-207E) (For CSE & IT)	SEMESTER : III
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### LIST OF EXPERIMENTS

S.No.	NAME OF EXPERIMENTS	EXPERIMENT NO.
*	To Study virtual CRO & Function Generator .	ECE- AC-EX-01
	i) To study Double Sideband Amplitude Modulation and determine its Modulation factor and power in sidebands. ii) To study amplitude demodulation by linear diode detector.	ECE- AC-EX -02
	i) To study frequency Modulation and determine its modulation factor. ii) To study PLL 565 as frequency demodulator.	ECE- AC-EX -03
	To study Sampling and reconstruction of pulse amplitude modulation system.	ECE- AC-EX -04
	To study the Sensitivity characteristics of superhetrodyne receiver.	ECE- AC-EX -05
	To study the Selectivity characteristics of superhetrodyne receiver.	ECE- AC-EX -06
	To study the Fidelity characteristics of superhetrodyne receiver.	ECE- AC-EX -07
	To study Pulse Amplitude Modulation a) Using switching method b) By sample and hold circuit. ii) To demodulate the obtained PAM signal by 1 <sup>st</sup> order Low pass filter.	ECE- AC-EX -08
	To study Pulse Width Modulation / Demodulation.	ECE- AC-EX -09
	To study Pulse Position Modulation / Demodulation.	ECE- AC-EX -10
	To study active filters (Low-pass. High-pass. Band-pass. Notch filter).	ECE- AC-EX -11
*	To Study the time division Multiplexing & Demultiplexing	ECE- AC-EX -12

\* Beyond Syllabus curricula.

DEPTT. : ELECTRONICS & COMMUNICATION ENGG. DEPARTMENT	LABORATORY:-Analog Communication ( ECE-207E)	SEMESTER : III
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### LIST OF EXPERIMENTS

S.No.	NAME OF EXPERIMENTS	EXPERIMENT NO.
1	Study of AM Modulation/Demodulation	ECE- AC-EX -01
2	Study of FM Modulation/Demodulation.	ECE- AC-EX -02
3	Study of Diode detector and AGC.	ECE- AC-EX -03
4	To study Sampling theorem.	ECE- AC-EX -04
5	Sensitivity of a superhet Receiver.	ECE- AC-EX -05
6	Selectivity of a superhet Receiver.	ECE- AC-EX -06
7	Fidelity of a superhet Receiver.	ECE- AC-EX -07
8	Study of Pulse Amplitude Modulation/ Demodulation.	ECE- AC-EX -08
9	Study of Pulse Width Modulation/ Demodulation.	ECE- AC-EX -09
10	Study of Pulse Position Modulation/ Demodulation.	ECE- AC-EX -10
11*	To Study the time division Multiplexing & Demultiplexing	ECE- AC-EX -11

\* Beyond Syllabus curricula.

DEPTT. : ELECTRONICS & COMMUNICATION ENGG. DEPARTMENT	LABORATORY :- <b>DATA STRUCTURES LAB</b> (CSE-211E)	SEMESTER : III
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### LIST OF EXPERIMENTS

S.No.	NAME OF EXPERIMENTS	EXPERIMENT NO.
1	Write a program to search an element in a two-dimensional array using linear search.	ECE- DS-EX-01
2	Using iteration & recursion concepts write programs for finding the element in the array	ECE- DS -EX-02
3	using Binary Search Method	ECE- DS -EX-03
4	Write a program to perform following operations on tables using functions only	ECE- DS -EX-04
5	a) Addition    b) Subtraction    c) Multiplication    d) Transpose	ECE- DS -EX-05
6	Write a program to implement Queue.	ECE- DS -EX-06
7	Write a program to implement Stack.	ECE- DS -EX-07
8	Write a program to implement the various operations on string such as length of	ECE- DS -EX-08
9	string concatenation, reverse of a string & copy of a string to another.	ECE- DS -EX-09
10	Write a program for swapping of two numbers using 'call by value' and 'call by reference's	ECE- DS -EX-10
11	Create a linked list and perform the following operations on it a) add a node    b) Delete a node	ECE- DS -EX-11
12	Write a program to implement binary search tree.	ECE- DS -EX-12
13	Write a program to simulate the various graph traversing algorithms.	ECE- DS -EX-13
14	Write a program to create a linked list & perform operations such as insert, delete, update, reverse in the link list	ECE- DS -EX-14
15	Write the program for implementation of a file and performing operations such as insert,	ECE- DS -EX-15
16	Write a program to implement Sorting Techniques.	ECE- DS -EX-16

DEPTT. : ELECTRONICS & COMMUNICATION DEPARTMENT	SEMICONDUCTOR DEVICES LAB (ECE-205E)	SEMESTER : III
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### **LIST OF EXPERIMENTS**

S.N O.	EXPERIEMENT	EXPERIMENT NO.
1	Measurement & study of P-N junction diode I-V and C-V characteristics.	ECE-SD-EX-01
2	To study half wave rectifier, full wave rectifier & bridge rectifier and effect of different filter circuits on ac ripple at different loads	ECE-SD-EX-02
3	Measurement and study of solar cell I-V characteristics.	ECE-SD-EX-03
4	Study of Active filters.	ECE-SD-EX-04
5	Study of diode as Clipper and Clamper.	ECE-SD-EX-05
6	To study the given zener diode as a voltage regulator.	ECE-SD-EX-06
7	To study the input and output characteristics of a given transistor in common emitter configuration	ECE-SD-EX-07
8	To study the frequency response of RC coupled amplifier.	ECE-SD-EX-08
9	To measure and study the output characteristics of JFET.	ECE-SD-EX-09
10	To measure and study the output characteristics of MOSFET.	ECE-SD-EX-10
11	*To study the UJT characteristics.	ECE-SD-EX-11

\* :- Beyond Syllabus

I Semester B.Tech. (Information Technology)

CSE-103E

COMPUTER PROGRAMMING LAB.

L T P  
- - 2

Sessional Work:25 Marks

Examination: 25 Marks

Total: 50 Marks

Duration of Exam: 3 Hrs.

Note: At least 5 to 10 more exercises to be given by the teacher concerned.

Representative programming problems:-

1. Write a program to find the largest of three numbers. (if-then-else)
2. Write a program to find the largest number out of ten numbers (for-statement)
3. Write a program to find the average male height & average female heights in the class (input is in form of sex code, height).
4. Write a program to find roots of quadratic equation using functions and switch statements.
5. Write a program using arrays to find the largest and second largest no. out of given 50 nos.
6. Write a program to multiply two matrices
7. Write a program to read a string and write it in reverse order
8. Write a program to concatenate two strings
9. Write a program to sort numbers using the Algorithm.
10. Represent a deck of playing cards using arrays.
11. Write a program to check that the input string is a palindrome or not.



### III Semester B.Tech. (Information Technology)

IT-253 E

Internet Lab.

L	T	P	Sessional	:	50	Marks
-	-	3	Exam	:	25	Marks
			Total	:	75	Marks
			Duration of Exam:		3 Hrs.	

PC Software: Application of basics of MS Word 2000, MS Excel 2000, MS Power Point 2000, MS Access 2000, HTML

1. To prepare the Your Bio Data using MS Word
2. To prepare the list of marks obtained by students in different subjects and show with the help of chart/graph the average, min and max marks in each subject.
3. Prepare a presentation explaining the facilities/infrastructure available in your college/institute.
4. Design Web pages containing information of the Deptt.

HTML Lists :

1. Create a new document that takes the format of a business letter. Combine <P> and <BR> tags to properly separate the different parts of the documents. Such as the address, greeting, content and signature. What works best for each.
2. Create a document that uses multiple <BR> and <P> tags, and put returns between <PRE> tags to add blank lines to your document see if your browser sends them differently.
3. Create a document using the <PRE>tags to work as an invoice or bill of sale, complete with aligned dollar values and a total. Remember not to use the Tab key, and avoid using emphasis tags like <B> or <EM> within your list.
4. Create a seven-item ordered list using Roman numerals. After the fifth item, increase the next list value by 5.
5. Beginning with an ordered list, create a list that nests both an unordered list and a definition list.
6. Use the ALIGN attribute of an <IMG> tags to align another image to the top of the first image.. play with this feature, aligning images to TOP, MIDDLE and BOTTOM.
7. Create a 'table of contents' style page (using regular and section links) that loads a different document for each chapter or section of the document.

Internet :

1. Instilling internet & external modems, NIC and assign IP address.
2. Study of E-mail system.
3. Create your own mail-id in yahoo and indiatimes.com.
4. Add names (mail-id's) in your address book, compose and search an element.

B.TECH IIIRD SEMESTER  
ANALOG COMMUNICATION LAB  
(ECE-207E)

L T P  
- - 2

Sessional : 25 Marks  
Viva : 25 Marks  
Total : 50 Marks  
Time : 3hrs.

LIST OF EXPERIMENTS:

1.
  - i) To study Double Sideband Amplitude Modulation and determine its modulation factor and power in sidebands.
  - ii) To study amplitude demodulation by linear diode detector.
2.
  - i) To study Frequency Modulation and determine its modulation factor.
  - ii) To study PLL 565 as frequency demodulator
3. To study Sampling and reconstruction of pulse amplitude modulation system.
4. To study the Sensitivity characteristics of superhetrodyne receiver.
5. To study the Selectivity characteristics of superhetrodyne receiver.
6. To study the Fidelity characteristics of superhetrodyne receiver.
7.
  - i) To study Pulse Amplitude Modulation
    - a) Using switching method
    - b) By sample and hold circuit.
  - ii) To demodulate the obtained PAM signal by IInd order Low pass filter.
8. To study Pulse Width Modulation / Demodulation.
9. To study Pulse Position Modulation / Demodulation.
10. To study active filters (Low-pass, High-pass, Band-pass, Notch filter).

### III Semester B.Tech. (Information Technology)

CSE- 209 E

Database Management Systems Lab

L    T    P  
-    -    3

Sessional: 25    Marks

Exam: 25    Marks

Total: 50    Marks

Duration of Exam: 3 Hrs.

1. Create a database and write the programs to carry out the following operation :
  1. Add a record in the database
  2. Delete a record in the database
  3. Modify the record in the database
  4. Generate queries
  5. Data operations
  6. List all the records of database in ascending order.
2. Create a view to display details of employees working on more than one project.
3. Create a view to display details of employees not working on any project.
  4. Create a view to display employees name and projects name for employees working on projects <P1 and P3> or <P2 and P4>.
5. Using two tables create a view which shall perform EQUIJOIN.
6. Write trigger for before and after insertion. Detection and updation process.
7. Write a procedure to give incentive to employees working on all projects. If no such employee found give app. Message.
8. Write a procedure for computing amount telephone bill on the basic of following conditions.

CSE-103E

COMPUTER PROGRAMMING LAB.

L T P  
- - 2

Sessional Work:25 Marks

Examination: 25 Marks

Total: 50 Marks

Duration of Exam: 3 Hrs.

Note: At least 5 to 10 more exercises to be given by the teacher concerned.

Representative programming problems:-

12. Write a program to find the largest of three numbers. (if-then-else)
13. Write a program to find the largest number out of ten numbers (for-statement)
14. Write a program to find the average male height & average female heights in the class (input is in form of sex code, height).
15. Write a program to find roots of quadratic equation using functions and switch statements.
16. Write a program using arrays to find the largest and second largest no. out of given 50 nos.
17. Write a program to multiply two matrices
18. Write a program to read a string and write it in reverse order
19. Write a program to concatenate two strings
20. Write a program to sort numbers using the Algorithm.
21. Represent a deck of playing cards using arrays.
22. Write a program to check that the input string is a palindrome or not.

L T P  
- - 3

Sessional: 50 Marks  
Exam: 25 Marks  
Total: 75 Marks  
Duration of Exam: 3 Hrs.

1. Write a program to search an element in a two-dimensional array using linear search.
2. Using iteration & recursion concepts write programs for finding the element in the array using Binary Search Method
3. Write a program to perform following operations on tables using functions only a) Addition b) Subtraction c) Multiplication d) Transpose
4. Write a program to implement Queue.
5. Write a program to implement Stack.
6. Write a program to implement the various operations on string such as length of string concatenation, reverse of a string & copy of a string to another.
7. Write a program for swapping of two numbers using 'call by value' and 'call by reference' strategies.
8. Write a program to implement binary search tree.  
(Insertion and Deletion in Binary search Tree)
9. Write a program to create a linked list & perform operations such as insert, delete, update, and reverse in the link list
10. Write the program for implementation of a file and performing operations such as insert, delete, update a record in the file.
11. Create a linked list and perform the following operations on it  
a) Add a node b) Delete a node
12. Write a program to simulate the various searching & sorting algorithms and compare their timings for a list of 1000 elements.
13. Write a program to simulate the various graph traversing algorithms.
17. Write a program which simulates the various tree traversal algorithms.
18. Write a program to implement various Searching Techniques.
19. Write a program to implement Sorting Techniques.

Note: At least 5 to 10 more exercises to be given by the teacher concerned.

L	T	P	Sessional	:	50	Marks
-	-	3	Exam	:	25	Marks
			Total	:	75	Marks
			Duration of Exam:		3 Hrs.	

PC Software: Application of basics of MS Word 2000, MS Excel 2000, MS Power Point 2000, MS Access 2000, HTML

5. To prepare the Your Bio Data using MS Word
6. To prepare the list of marks obtained by students in different subjects and show with the help of chart/graph the average, min and max marks in each subject.
7. Prepare a presentation explaining the facilities/infrastructure available in your college/institute.
8. Design Web pages containing information of the Deptt.

HTML Lists :

8. Create a new document that takes the format of a business letter. Combine <P> and <BR> tags to properly separate the different parts of the documents. Such as the address, greeting, content and signature. What works best for each.
9. Create a document that uses multiple <BR> and <P> tags, and put returns between <PRE> tags to add blank lines to your document see if your browser sends them differently.
10. Create a document using the <PRE>tags to work as an invoice or bill of sale, complete with aligned dollar values and a total. Remember not to use the Tab key, and avoid using emphasis tags like <B> or <EM> within your list.
11. Create a seven-item ordered list using Roman numerals. After the fifth item, increase the next list value by 5.
12. Beginning with an ordered list, create a list that nests both an unordered list and a definition list.
13. Use the ALIGN attribute of an <IMG> tags to align another image to the top of the first image.. play with this feature, aligning images to TOP, MIDDLE and BOTTOM.
14. Create a 'table of contents' style page (using regular and section links) that loads a different document for each chapter or section of the document.

**B.TECH IIRD SEMESTER**  
**ANALOG COMMUNICATION LAB**  
**(ECE-207E)**

L T P  
- - 2

Sessional : 25 Marks  
Viva : 25 Marks  
Total : 50 Marks  
Time : 3hrs.

**LIST OF EXPERIMENTS:**

1.
  - i) To study Double Sideband Amplitude Modulation and determine its modulation factor and power in sidebands.
  - ii) To study amplitude demodulation by linear diode detector.
2.
  - i) To study Frequency Modulation and determine its modulation factor.
  - ii) To study PLL 565 as frequency demodulator
3. To study Sampling and reconstruction of pulse amplitude modulation system.
4. To study the Sensitivity characteristics of superhetrodyne receiver.
5. To study the Selectivity characteristics of superhetrodyne receiver.
6. To study the Fidelity characteristics of superhetrodyne receiver.
7.
  - i) To study Pulse Amplitude Modulation
    - a) Using switching method
    - b) By sample and hold circuit.
  - ii) To demodulate the obtained PAM signal by IInd order Low pass filter.
8. To study Pulse Width Modulation / Demodulation.
9. To study Pulse Position Modulation / Demodulation.
10. To study active filters (Low-pass, High-pass, Band-pass, Notch filter).

CSE- 209 E

L    T    P  
-    -    3

## Database Management Systems Lab

Sessional: 25    Marks

Exam: 25    Marks

Total: 50    Marks

Duration of Exam: 3 Hrs.

1. Create a database and write the programs to carry out the following operation :
  7. Add a record in the database
  8. Delete a record in the database
  9. Modify the record in the database
  10. Generate queries
  11. Data operations
  12. List all the records of database in ascending order.
2. Create a view to display details of employees working on more than one project.
3. Create a view to display details of employees not working on any project.
  4. Create a view to display employees name and projects name for employees working on projects <P1 and P3> or <P2 and P4>.
5. Using two tables create a view which shall perform EQUIJOIN.
6. Write trigger for before and after insertion. Detection and updation process.
7. Write a procedure to give incentive to employees working on all projects. If no such employee found give app. Message.
8. Write a procedure for computing amount telephone bill on the basic of following conditions.

L    T    P  
-    -    3

Sessional: 25    Marks

Exam: 25    Marks

Total: 50    Marks

Duration of Exam: 3 Hrs.

#### LIST OF EXPERIMENTS

1. Study of TTL gates – AND, OR, NOT, NAND, NOR, EX-OR, EX-NOR.
2. Design & realize a given function using K-maps and verify its performance.
3. To verify the operation of multiplexer & Demultiplexer.
4. To verify the operation of comparator.
5. To verify the truth tables of S-R, J-K, T & D type flip flops.
6. To verify the operation of bi-directional shift register.
7. To design & verify the operation of 3-bit synchronous counter.
8. To design and verify the operation of synchronous UP/DOWN decade counter using J K flip-flops & drive a seven-segment display using the same.
9. To design and verify the operation of asynchronous UP/DOWN decade counter using J K flip-flops & drive a seven-segment display using the same.
10. To design & realize a sequence generator for a given sequence using J-K flip-flops.
11. Study of CMOS NAND & NOR gates and interfacing between TTL and CMOS gates.
12. Design a 4-bit shift-register and verify its operation . Verify the operation of a ring counter and a Johnson counter.

CSE-312

Computer Hardware & Troubleshooting (Pr.)

L    T    P  
-    -    3

Sessional: 50 Marks  
Exam: 50 Marks  
Total: 100 Marks  
Duration of Exam: 3 Hrs.

1. To solder and de-solder various components.
2. To check and measure various supply voltages of Pc.
3. To make comparative study of motherboards: 386,486, PI. PII. PIII.
4. To observe and study various cables, connections and parts used in computer Communication.
5. To study various cards used in a system viz. display card, LA1'rbrd etc.
6. To remove, study and replace Floppy disk drive.
7. To remove, study and replace hard disk.
8. To remove, study and replace CD ROM drive.
9. To study monitor, its circuitry and various presets and some elementary fault Detection.
10. To study printer assembly and elementary fault detection of DMP and laser Printers.
- 11.To observe various cables and connectors used in networking.
- 12.To study pa!1S of keyboard and mouse.
- 13.To assemble a Pc.
- 14.Troubleshooting exercises related to various components of computer like monitor. drives, memory, and printers etc.

B.TECH IIIRD SEMESTER  
ANALOG COMMUNICATION LAB  
(ECE-207E)

L T P  
- - 2

Sessional : 25 Marks  
Viva : 25 Marks  
Total : 50 Marks  
Time : 3hrs.

LIST OF EXPERIMENTS:

1.
  - i) To study Double Sideband Amplitude Modulation and determine its modulation factor and power in sidebands.
  - ii) To study amplitude demodulation by linear diode detector.
2.
  - i) To study Frequency Modulation and determine its modulation factor.
  - ii) To study PLL 565 as frequency demodulator
3. To study Sampling and reconstruction of pulse amplitude modulation system.
4. To study the Sensitivity characteristics of superhetrodyne receiver.
5. To study the Selectivity characteristics of superhetrodyne receiver.
6. To study the Fidelity characteristics of superhetrodyne receiver.
7.
  - i) To study Pulse Amplitude Modulation
    - a) Using switching method
    - b) By sample and hold circuit.
  - ii) To demodulate the obtained PAM signal by IInd order Low pass filter.
8. To study Pulse Width Modulation / Demodulation.
9. To study Pulse Position Modulation / Demodulation.
10. To study active filters (Low-pass, High-pass, Band-pass, Notch filter).

CSE- 209 E

Database Management Systems Lab

L    T    P  
-    -    3

Sessional: 25    Marks

Exam: 25    Marks

Total: 50    Marks

Duration of Exam: 3 Hrs.

1. Create a database and write the programs to carry out the following operation :
  13. Add a record in the database
  14. Delete a record in the database
  15. Modify the record in the database
  16. Generate queries
  17. Data operations
  18. List all the records of database in ascending order.
2. Create a view to display details of employees working on more than one project.
3. Create a view to display details of employees not working on any project.
  4. Create a view to display employees name and projects name for employees working on projects <P1 and P3> or <P2 and P4>.
5. Using two tables create a view which shall perform EQUIJOIN.
6. Write trigger for before and after insertion. Detection and updation process.
7. Write a procedure to give incentive to employees working on all projects. If no such employee found give app. Message.
8. Write a procedure for computing amount telephone bill on the basic of following conditions.

<b>DEPARTMENT : MECHANICAL ENGG.</b>	<b>LABORATORY: ELEMENTS OF MECHANICAL ENGG. (ME-109 E)</b>	<b>SEMESTER : I</b>
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**LIST OF EXPERIMENTS**

<b>Sr. No.</b>	<b>EXPERIMENTS</b>	<b>EXPERIMENTS No.</b>	<b>Page No.</b>
1.	TO STUDY COCHRAN BOILER & BABCOCK AND WILCOX BOILER	ME-EME-EX-01	1 – 7
2.	TO STUDY THE WORKING AND FUNCTION OF MOUNTINGS AND ACCESSORIES IN BOILERS.	ME-EME-EX-02	8 – 14
3.	TO STUDY 2-STROKE AND 4-STROKE DIESEL ENGINE	ME-EME-EX-03	15 -20
4.	TO STUDY 2-STROKE AND 4-STROKE PETROL ENGINE	ME-EME-EX-04	21–24
5.	TO CALCULATE THE EFFICIENCY OF THE SINGLE, DOUBLE AND TRIPLE START WORM AND WORM WHEEL.	ME-EME-EX-05	25 –26
6.	TO FIND THE %AGE ERROR BETWEEN OBSERVED AND CALCULATED VALUES OF STRESSES IN THE MEMBERS OF A JIB CRANE.	ME-EME-EX-06	27– 29
7.	TO STUDY THE CONSTRUCTIONAL FEATURES AND WORKING OF PELTON WHEEL, FRANCIS & KAPLAN TURBINE.	ME-EME-EX-07	30– 34
8.	TO STUDY VARIOUS TYPE OF DYNAMOMETERS.	ME-EME-EX-08	35–40
9.	TO PREPARE STRESS STRAIN DIAGRAM FOR MILD STEEL AND CAST IRON SPECIMENS UNDER TENSION AND COMPRESSION RESPECTIVELY ON A UNIVERSAL TESTING MACHINE.	ME-EME-EX-09	41– 45
10.	TO DETERMINE THE ROCKWELL / BRINELL HARDNESS NUMBER OF A GIVEN SPECIMAN ON RESPECTIVE M/c.	ME-EME-EX-10	46– 47
11.	TO DRAW THE SF AND BM DIAGRAM OF A SIMPLY SUPPORTED BEAM WITH CONCENTRATED LOAD.	ME-EME-EX-11	48 - 50

DEPTT.: MECHANICAL ENGINEERING	LABORATORY:WORKSHOP PRACTICES ME-107 E	SEMESTER : I / II
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**LIST OF EXPERIMENTS**

SR. NO	EXPERIMENTS	EXPERIMENTS NO.	PAGE NO.
1.	STUDY OF WORK SHOP, ITS SIGNIFANCE, VERIOUS TOOLS AVAILABLE IN IT AND THEIR APPLICATIONS IN THE INDUSTARY.	ME-WS-EX-01	1-2
2.	STUDY OF DIFFERENT TYPES OF MEASURING TOOLS USED IN METROLOGY AND DETERMINE LIST COUNTOF VERNIER CALIPER, VERNIER HEIGHT GAUGE AND MICROMETER.	ME-WS-EX-02	3-10
3.	TO STUDY VARIOUS TYPE OF MACHINE TOOLS. (LATHE M/c, SHAPER M/c, MILLING M/c, DRILLING M/c)	ME-WS-EX-03	11-21
4.	TO PREPAR A JOB ON LATHE M/c INVOLVING FACING, OUTSIDE TURNING, TAPER TURNING, STEP TURNING, RADIUS MAKING AND PARTING OFF.	ME-WS-EX-04	22-23
5.	TO PREPARE A JOB TO MAKE SLOT ON A SHAPER M/c.	ME-WS-EX-05	24-24
6.	TO PREPARE A JOB INVOLVING SIDE AND FACE MILLING ON A MILLING M/c.	ME-WS-EX-06	25-25
7.	TO STUDY WELDING SHOP & TO PREPARE JOINT FOR WELDING SUITABLE FOR BUTT AND LAP WELDING.	ME-WS-EX-07	26-29
8.	TO STUDY DIFFERENT TYPE OF FITTING TOOLS AND MARKING TOOLS USED IN FITTING PRACTICES.	ME-WS-EX-08	30-34
9.	TO STUDY DIFFERENT TYPE OF CARPENTARY TOOLS AND PREPARE SIMPLE TYPE OF AT LEAST TWO WODEN JOINTS.	ME-WS-EX-09	35-40
10.	To PREPARE A MOULD AND CORE ASSEMBLY, TO PUT METAL IN THE MOULD AND FATTLE THE CASTING.	ME-WS-EX-10	41-48

## LIST OF EXPERIMENTS

<b>DEPARTMENT: MECHANICAL ENGG.</b>	<b>LABORATORY: Mechanics of Fluid (ME-214 E)</b>	<b>SEMESTER : IV</b>
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Sr. No.	EXPERIMENTS	EXPERIMENTS NO.	PAGE NO.
1	TO DETERMINE THE METACENTRIC HEIGHT OF A GIVEN SHIP MODEL.	ME-FM-EX-01	1-3
2	TO STUDY THE MOMENTUM CHARACTERISTICS OF A GIVEN JET.	ME-FM-EX-02	4-7
3	TO VERIFY THE BERNOULLI'S EQUATION	ME-FM-EX-03	8-11
4	TO DETERMINE THE COEFFICIENT OF DISCHARGE FOR AN ORIFICEMETER	ME-FM-EX-04	12-14
5	TO DETERMINE THE COEFFICIENT OF DISCHARGE FOR A VENTURIMETER	ME-FM-EX-05	15-17
6	TO DETERMINE THE COEFFICIENT OF DISCHARGE FOR A GIVEN MOUTHPIECE	ME-FM-EX-06	18-20
7	TO DETERMINE THE COEFFICIENT OF DISCHARGE FOR A GIVEN ORIFICE PLATE.	ME-FM-EX-07	21-23
8	TO VERIFY COEFFICIENT OF HEADLOSS IN SUDDEN CONTRACTION AND EXPANSION.	ME-FM-EX-08	24-26
9	TO CALIBRATE A SHARP-CREATED RECTANGULAR WEIR.	ME-FM-EX-09	27-28
10	TO CALIBRATE A V-NOTCH.	ME-FM-EX-10	29-31

<b>DEPARTMENT: MECHANICAL ENGG.</b>	<b>LABORATORY: Dynamics of Machines Lab (ME-216 E)</b>	<b>SEMESTER : IV</b>
-------------------------------------	--	----------------------

**LIST OF EXPERIMENTS**

<b>Sr. No.</b>	<b>EXPERIMENTS</b>	<b>EXPERIMENTS NO.</b>	<b>PAGE NO.</b>
1	To determine Experimentally, the moment of inertia of a flywheel and axle and compare with theoretical values.	ME-DOM-EX-01	01-05
2	To find critical speed Experimentally and to compare the whirling speed of a shaft with the theoretical value.	ME- DOM-EX-02	06-11
3	To find Experimentally the gyroscopic couple on motorized gyroscope and compare with applied couple.	ME- DOM-EX-03	12-15
4	To determine the EXPERIMENTS of balancing of rotating parts and find the unbalanced couples and force.	ME- DOM-EX-04	16-20
5	To study the unbalance forces and couple of reciprocating parts.	ME- DOM-EX-05	21-26
6	To study the different type of centrifugal and inertia governors.	ME- DOM-EX-06	27-38
7	To study the automobile transmission unit.	ME- DOM-EX-07	39-45
8	To determine the speed of different gears in epicyclic gear train.	ME- DOM-EX-08	46-52
9	To study the different types of brakes.	ME- DOM-EX-09	53-56
10	To find Experimentally the corli and component of Acceleration and compare the theoretical value.	ME- DOM-EX-10	57-62

<b>DEPARTMENT: MECHANICAL ENGG.</b>	<b>LABORATORY: Kinematics of Machines Lab (ME-211 E)</b>	<b>SEMESTER : III</b>
-------------------------------------	--	---------------------------

### LIST OF EXPERIMENTS

<b>S. No.</b>	<b>EXPERIEMENT</b>	<b>EXPERIMENTS NO.</b>	<b>PAGE NO.</b>
1	To study the 'Hooks Joint 'for displacement, Velocities and acc. Of the driven shaft for the constant Speed of driven shaft.	ME-KOM-EX-01	01-02
2	To draw Experimentally a curve of the follower displacement v/s cam angle. To differentiate the above curve to get velocity and acceleration curve & compare the above values with those obtained analytically.	ME-KOM-EX-02	03-05
3	To study the crank and slotted level (Q.R.M.) and analyze the ratio of the cutting time to the idle time (cutting stroke to the idle stroke)	ME-KOM-EX-03	06-07
4	To study the belt and pulley arrangement and to find the co-efficient of friction theoretically.	ME-KOM-EX-04	08-09
5	To determine the value of coefficient of friction between the screw and nut of the Jack while 1. Raising the load 2. Lowering the load	ME-KOM-EX-05	10-11
6	To study the displacement, velocity and acceleration of single slider crank mechanism.	ME-KOM-EX-06	12-13
7	Study of the inversions of the single slider crank mechanism.	ME-KOM-EX-07	14-17
8	To determine the value of coefficient of friction for a given pair of surfaces using the plane friction apparatus.	ME-KOM-EX-08	18-20
9.	To determine the modulus of rigidity of a given horizontal shaft.	ME-KOM-EX-09	21-22
10	To determine (I) the value of the modulus of rigidity of the material of a close coiled helical spring (ii) the stiffness or spring constant of the spring.	ME-KOM-EX-10	23-25

<b>DEPTT.: MECHANICAL ENGINEERING</b>	<b>LABORATORY: Production Technology-I MET-215</b>	<b>SEMESTER : III</b>
---------------------------------------	--	-----------------------

**LIST OF EXPERIMENTS**

<b>Sr. No.</b>	<b>EXPERIMENTS</b>	<b>EXPERIMENTS No.</b>	<b>Page No.</b>
1.	PRACTICE OF SLAB MILLING ON MILLING MACHINE.	ME- PT-I –EX – 01	1 - 2
2.	PRACTICE OF SLOTTING ON MILLING MACHINE.	ME- PT-I –EX - 02	3 – 5
3.	INTRODUCTION TO VARIOUS GRINDING WHEELS AND DEMONSTRATION ON THE CYLINDRICAL AND SURFACE GRINDER.	ME- PT-I –EX - 03	6 – 15
4.	INTRODUCTION TO TOOL AND CUTTER GRINDER AND DYNAMOMETER.	ME- PT-I –EX - 04	16– 18
5.	TO CARRYOUT WELDING USING MIG WELDING SET.	ME- PT-I –EX - 05	19– 20
6.	INTRODUCTION TO WELDMENTS TESTING/INSPECTION TECHNIQUES AND CARRYOUT ITS INSPECTION/TESTING.	ME- PT-I –EX - 06	21– 30
7.	INTRODUCTION, DEMONSTRATION AND PRACTICES ON PROFILE PROJECTOR & GAUGES.	ME- PT-I –EX - 07	31– 36
8.	INTRODUCTION TO SURFACE FINISH AND PRACTICE ON SURFACE FINISH MEASUREMENT.	ME- PT-I –EX - 08	37– 40
9.	INTRODUCTION OF SAND, MOULD TESTING EQUIPMENTS, MOISTURE TESTING ETC.	ME- PT-I –EX - 09	41– 51
10.	TO STUDY THE LATHE TOOL DYNAMOMETER AND FIND OUT VARIOUS FORCES ACTING ON IT.	ME- PT-I –EX - 10	52– 56
11.	TO STUDY THE DRILL TOOL DYNAMOMETER AND FIND OUT VARIOUS FORCES ACTING ON IT.	ME- PT-I –EX - 11	57- 60


**DEPTT.: MECHANICAL ENGINEERING****LABORATORY: Strength of Material  
MET-213****SEMESTER : III****LIST OF EXPERIMENTS**

<b>Sr. No.</b>	<b>EXPERIMENTS</b>	<b>EXPERIMENTS No.</b>	<b>Page No.</b>
1.	TO STUDY THE UNIVERSAL TESTING MACHINE (UTM) AND TO PERFORM TENSILE TEST ON IT.	ME-SOM-EX-01	1 – 7
2.	TO PERFORM COMPRESSION TEST ON UTM FOR A GIVEN SPECIMEN	ME-SOM-EX-02	8 – 8
3.	TO STUDY THE PENDULUM TYPE IMPACT TESTING MACHINE AND TO FIND THE IMPACT STRENGTH OF GIVEN SPECIMEN.	ME-SOM-EX-03	9 – 11
4.	TO STUDY THE TORSION TESTING MACHINE AND TO FIND THE MODULUS OF RIGIDITY, TORSIONAL STRENGTH AND MODULUS OF RUPTURE IN TORSION FOR GIVEN SPECIMEN	ME-SOM-EX-04	12 – 18
5.	TO PERFORM BENDING TEST ON UTM FOR A GIVEN SPECIMEN.	ME-SOM-EX-05	19 – 19
6.	TO STUDY THE ROCKWELL CUM BRINELL HARDNESS TESTER AND TO FIND THE ROCKWELL HARDNESS OF A GIVEN SPECIMEN.	ME-SOM-EX-06	20 – 22
7.	TO STUDY THE BRINELL HARDNESS TESTING MACHINE AND TO FIND THE BRINELL HARDNESS OF GIVEN SPECIMEN.	ME-SOM-EX-07	23 – 28
8.	TO PERFORM SHEAR TEST ON UTM TO GIVEN OF A SPECIMEN.	ME-SOM-EX-08	29 – 30
9.	TO STUDY THE ERICHSEN CUPPING TESTER AND FIND OUT THE CUPPING VALUE OF THE SPECIMEN.	ME-SOM-EX-09	31 – 32
10.	TO STUDY THE SPRING TESTING MACHINE AND FOR TESTING, TENSION AND COMPRESSION SPRINGS.	ME-SOM-EX-10	33 - 35

<b>DEPTT.: MECHANICAL ENGINEERING</b>	<b>LABORATORY: Thermodynamics MET-211</b>	<b>SEMESTER : III</b>
---------------------------------------	---	-----------------------

**LIST OF EXPERIMENTS**

<b>S. No</b>	<b>EXPERIMENTS</b>	<b>EXPERIMENTS NO.</b>	<b>PAGE NO.</b>
1	STUDY OF 2 STROKE PETROL AND DIESEL ENGINE MODELS.	ME-TD-EX-01	01-05
2	STUDY OF 4-STROKE PETROL/DIESEL ENGINE MODEL.	ME-TD-EX-02	06-09
3	STUDY OF BOILERS	ME-TD-EX-03	10-12
4	STUDY BABCOCK AND WILCOX BOILER	ME-TD-EX-04	13-15
5	STUDY OF LOCOMOTIVE BOILER	ME-TD-EX-05	16-18
6	STUDY OF LANCASHIRE BOILER	ME-TD-EX-06	19-21
7	TO STUDY THE RED WOOD VISCOMETER AND MEASURE THE VISCOSITY OF FLUID.	ME-TD-EX-07	22-24
8	TO MEASURE THE FLASH POINT OF THE GIVEN FUEL.	ME-TD-EX-08	25-27
9	TO STUDY THE NESTLER BOILER	ME-TD-EX-09	28-30

  
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