

LESSON PLAN

Discipline: Mech. Engg.	Semester: Fifth (3 rd)	Name of the Lab I/C: Er Biswajit Moharana
Subject: OA Lab	No. of days/week class allotted: Three (3)	Semester from Date: 15.09.22 to Date: 15.12.22 No. of Weeks: 15
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1 st	1 st	List of Assignments (MS Word) 1. Create a news-paper document with at least 200 words, a. Use margins as, top:1.5, bottom:2, left:2, right:1 inches. b. Use heading “Gandhi Jayanti”, font size: 16, font color: red, font face: Arial Black. c. With first letter “dropped” (use drop cap option) of the first paragraph containing a picture at the right side d. Use three columns from the second paragraph onwards till the half of the page. e. Then use heading “Computer basics” f. Create paragraph using two columns till the end of the page.
	2 nd	
	3 rd	Review Class
2 nd	1 st	2. Create a Mathematical question paper using, at least five equations a. With fractions, exponents, summation function b. With at least one „m*n“ matrix c. Basic mathematical and geometric operators. d. Use proper text formatting, page color and page border.
	2 nd	
	3 rd	Review Class
3 rd	1 st	3. Create a flowchart using,

	2 nd	<p>a. Proper shapes like ellipse, arrows, rectangle, and parallelogram.</p> <p>b. Use grouping to group all the parts of the flowchart into one single object.</p>
	3 rd	Review Class
4 th	1 st	4. Create a table using table menu with,
	2 nd	<p>a. At least 5 columns and 10 rows.</p> <p>b. Merge the first row into one cell.</p> <p>c. Merge the second row into one cell, then split the second row into three cells.</p> <p>d. Use proper table border and color.</p> <p>e. Insert proper content into the table with proper text formatting.</p>
	3 rd	Review Class
5 th	1 st	5. Create a table using two columns,
	2 nd	<p>a. The left column contains all the short-cut keys and right side column contains the function of the short-cut keys.</p> <p>b. Insert a left column using layout option. Name the heading as Serial No.</p>
	3 rd	Review Class
6 th	1 st	6. Create two letters with the following conditions in Ms Word and find the difference.
	2 nd	<p>a. Write a personal letter to your friend using at least 100 words and two paragraphs. The date must be in top-right corner. Use „justify“ text-alignment and 1.5 line spacing for the body of the letter. Letter must contain proper salutation and closing.</p> <p>b. Use step by step mail-merge wizard to design a letter.</p>
	3 rd	Review Class
7 th	1 st	7. Create a letter, which must be sent to multiple recipients.

	2 nd	a. Use Mail-Merge to create the recipient list. b. Use excel sheet to enter the recipient. c. Start the mail merge using letter and directory format. State the difference.
	3 rd	Review Class
8 th	1 st	List of Assignments (MS Excel)
	2 nd	1. Create a table “Student result” with following conditions. a. The heading must contain, Sl. No., Name, Mark1, Mark2, Mark3, Total,average and result with manual entry. b. Use formulas for total and average. c. Find the name of the students who has secured the highest and lowestmarks. d. Round the average to the nearest highest integer and lowest integer (use ceiling and floor function respectively).
	3 rd	Review Class
9 th	1 st	2. Do as directed
	2 nd	a. Create a notepad file as per the following fields Slno name th1 th2 th3 th4 th5 total % grade b. Import this notepad file into excel sheet using „data from text“ option. c. Grade is calculated as, i. If %>=90, then grade A ii. If %>=80 and <90, then grade B iii. If %>=70 and <80, then grade C iv. If %>=60 and <70, then grade D v. If %<60, then grade F
	3 rd	Review Class
10 th	1 st	3. Create a sales table using the following data,

	2 nd	<p>Item Year1 Year2 Year3 Year4</p> <p>Item1 1000 1050 1100 1200</p> <p>Item2 950 1050 1150 1200</p> <p>Item3 1100 1200 1200 1300</p> <p>a. Draw the bar-graph to compare the sales of the three items for four years using insert option.</p> <p>b. Draw a line-graph to compare the sales of three items for four years using insert option.</p> <p>c. Draw different pie-charts for the given data using insert option.</p> <p>d. Use condition, to highlight all the cells having value >=1000 with red color (use conditional formatting).</p>
	3 rd	Review Class
11 th	1 st	List of Assignments (MS PowerPoint)
	2 nd	1. Create a power-point presentation with minimum 5 slides.
	3 rd	Review Class
12 th	1 st	2. Create a power-point presentation with minimum 10 slides
	2 nd	
	3 rd	Review Class
13 th	1 st	3. Create a power-point presentation with minimum 5 slides
	2 nd	a. Use custom animation option to animate the text; the text must move left to right one line at a time. b. Use proper transition for the slides.
	3 rd	Review Class
14 th	1 st	List of Assignments (MS Access)
	2 nd	<p>1. Create a database “Student” with,</p> <p>a. At least one table named “mark sheet” with field name “student name, roll number, mark1, mark2, mark3, mark4, total”</p>

		<p>b. The data types are, student name: text, roll number: number, mark1 to</p> <p>mark4: number, total: number. Roll number must be the primary key.</p> <p>c. Enter data in the table. The total must be calculated using update query.</p> <p>d. Use query for sorting the table according to the descending/ascending order of the total marks.</p>
	3 rd	Review Class
15 th	1 st	<p>2. With addition to the table above,</p> <p>a. Add an additional field “result” to the “mark sheet” table.</p> <p>b. Enter data for at least 10 students</p> <p>c. Calculate the result for all the students using update queries, if total\geq200, then pass, else fail.</p> <p>d. Search the students, whose name starts with “sh”.</p> <p>e. Show the names and total marks of the students who have passed the examination.</p>
	2 nd	
	3 rd	Review Class