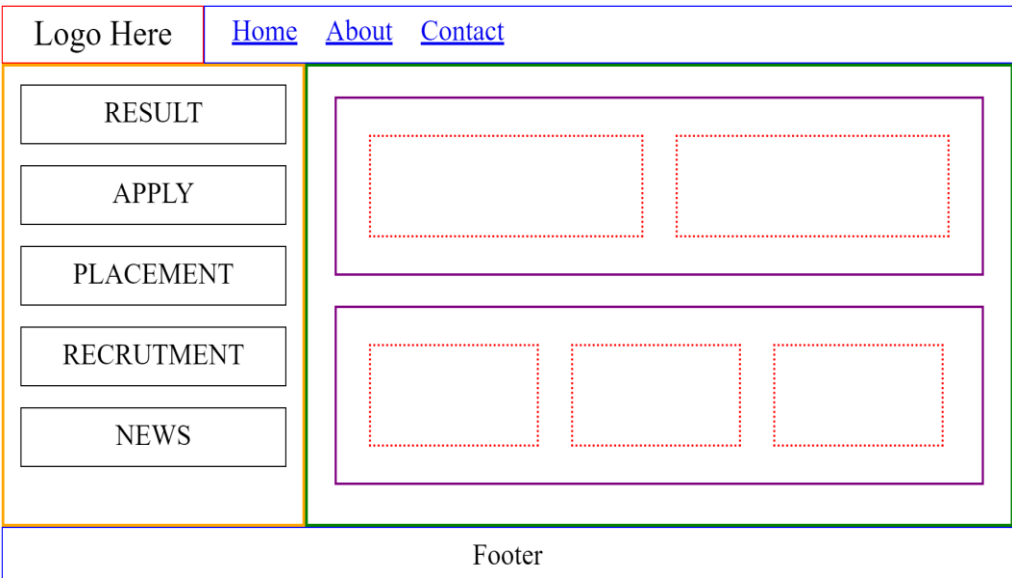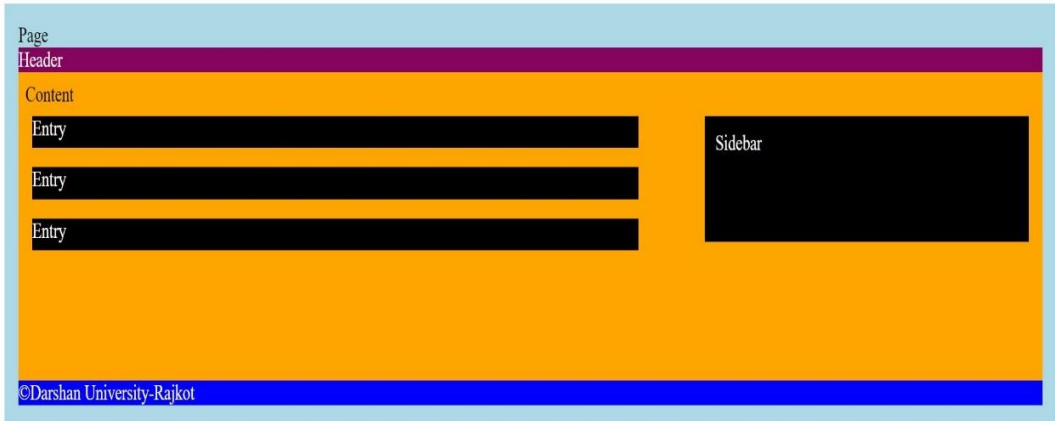| Lab	Type	Practical
I.	**HTML**	
LAB-1	A	1. Demonstrate following HTML tags Html, Body, Head, Title, Link, Meta, Address, B, U, I, Blockquote, Marquee, Table, Br, Hr, Header, P, Strong, Small Caption, Doctype

LAB-2	A	2. Demonstrate html control like,
		  a. Anchor tag
		  b. Iframe tag
		  c. List controls
		  d. Image control

LAB-3	A	3. Make the table of the following design using HTML.

FullName	Email	Mobile Number	City
Yash Patel	yash_patel@gmail.com	8787989811	Rajkot
Keyur Tanna	keyur1441@rediffmail.com	8874123210	Ahmedabad
Harsh Panchal	harsh_panchal@yahoo.com	9855621232	Surat
Jigar Makadiya	jmakadiya@gmail.com	7874636211	Baroda

A 4. Make the table of the following design using HTML.

Department	1st Year		2nd Year		3rd Year		4th Year	
	First Sem	Second Sem	Third Sem	Fourth Sem	Fifth Sem	Sixth Sem	Seventh Sem	Eighth Sem
Computer Engineering	CPU	WS	COA	OS	DAA	SE	CC	DS
	EG	ECE	DLD	DBMS	CN	WAD	CD	PP
Information Technology	CS	EME	BIS	OOAD	COSAM	SP	ERP	ACN
	Calculus	EEE	BE	SAD	SEMINAR	IS	MC	AI

LAB-4	A	5. Design Form of Student Registration, COVID-19 vaccine registration and Employee registration with following fields and also use HTML5 validation.

COVID-19 Vaccine Registration Form

First Name

Last Name

Aadhar Number

Vaccine Name   [Please Select Vaccine Name ▾]

Vaccination Center Name   [Please Select Vaccination Center Name ▾]

Date of Dose   [dd - mm - yyyy 📅]

Dose Number

[CLICK HERE] [CANCEL]

		Employee Registration **Personal Information** Employee Id : [Enter Employee Id] Employee Name : [Enter Employee Name] Email : [Enter Email] Contact No : [Enter Contact No] Marital Status : ○ Single ○ Married **Education Qualification** Education : [Enter Education details] Experience : [Enter Experience Details] **Job Details** Designation : [Enter Designation details] Job location : [Enter Job Location] Salary : [Enter Salary details] [Register]
II	**CSS**	

LAB-5	A	6. Design the following page using CSS. 7. Design the following page using CSS.
	B	(Link for the other layout for the practice will be shared)

| LAB-6 | A | 8. Write HTML, CSS3 code for following animation effects
   a. changing background color of div from red to yellow.
   b. moving div from Left to right, right to bottom, bottom to left and left to top.
   c. put delay of 2s in animation.
   d. Change animation-iteration count property of program 2 to run infinite times
   e. Change animation direction property to run it in reverse order.
   f. Change value of animation-timing-function property to change the speed of animation
9. Write an HTML snippet with CSS for following effects:
   a. Link after visited red color before visited orange color
   b. Add special style(change color,font size etc) to first line of paragraph
   c. Add special style (change color,font size etc) to first letter of paragraph
   d. Change background color to yellow when user select particular text
   e. Add special style to an element when user mouse over it. |
| III | JS | |

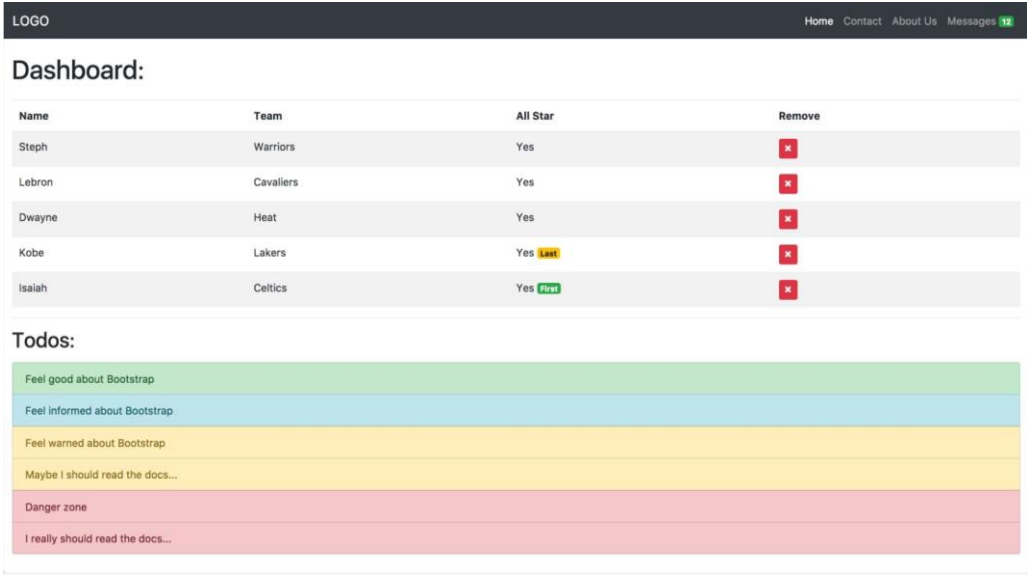| 7 | A.
A.
A.
B.
A.
B. | 1. WAP in JavaScript to make simple calculator using popup box.
2. WAP in JavaScript to check whether the given no. is prime or not.
3. WAP in JavaScript to find the factorial of given number.
4. WAP in JavaScript to print the Fibonacci series of a number.
5. WAP in JavaScript to check whether the given number is palindrome or not.
6. WAP in JavaScript to check whether the given number is Armstrong or not. |

8	A.	1. WAP in JavaScript to print the factors of given number.
	A.	2. WAP in JavaScript to prime number between the given range of number.
	A.	3. WAP to display given patterns using JavaScript.
	A.	4. WAP in JavaScript to print the GCD of two number.
	A.	5. Write a JavaScript to take 2-digit number and then separate these 2 digits, then
	B.	multiply first digit by itself for second digit times. (For example, 23 should be separated as 2 and 3. 2 should multiply with itself 3 times).
	C.	6. Write an HTML page with JavaScript that takes a number from popup box in the range 0-999 and display it in words. If the number is out of range, it should show "out of range" and if it is not a number ,it should show "not a number" message in the result box.
	B.	7. Write an HTML file with JavaScript that finds position of first occurrence of vowel "a", last occurrence of vowel "a" in a given word and returns the string between them. For example, ajanta- then script would return first occurrence of "a"-that is position 1 and last occurrence-6 and string between them is "jant".
9	A.	1. Demonstrate the use of array to find maximum number.
	A.	2. WAP to read an array from the user and sort them in ascending order.
	B.	3. WAP to read an array from the user and sort them using bubble sort.
	C.	4. WAP to read an array form the user and sort them using quick sort.
	A.	5. Write a JavaScript that uses a loop that searches a word in sentence held in an array, returning the index of the word.
10	A.	1. WAP to display Faculties stored in array.
	A.	2. Demonstrate different array functions like push, pop, shift, unshift, splice, sort etc...
	B.	3. WAP to display students stored in array.
	C.	4. WAP to display products stored in array.

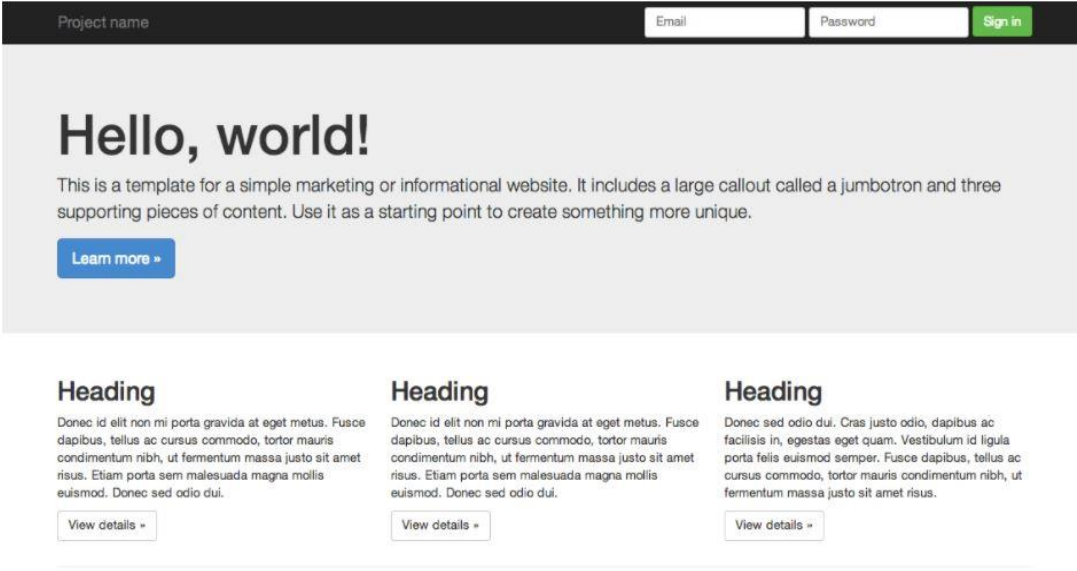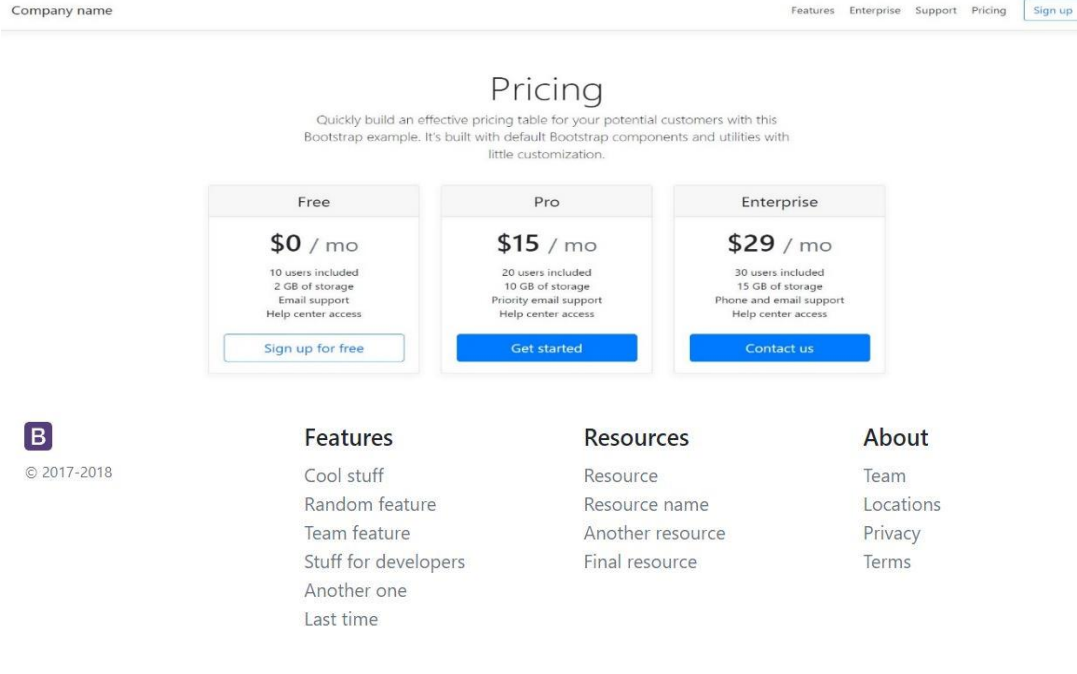| 11	A.
	A.
	C.
	B.
		1. WAP to create a basic graphical Calculator using HTML and JavaScript.
		2. WAP to create a static login page using HTML and JavaScript.
		3. WAP to create a scientific graphical calculator using HTML and JavaScript.
		4. Write a JavaScript program to validate user data given from the HTML form
		    1) username must be of minimum 8 characters
		    2) password must contain at least 1 digit and 1 special character and should be between 8-12 characters
		    3) password and repeat password must be same
		    4) age must be greater than 18 (calculate from date of birth)
		    5) enrollment must be of 11 digits
		    6) email validation

12	A. A. A. A. A. B. B. C.	1. WAP to change background color on click of button. 2. WAP to recognize which mouse event is fired. 3. WAP to recognize which keyboard event is fired. 4. WAP to recognize which form event is fired. 5. WAP to demonstrate change in properties of HTML element using JavaScript. 6. WAP to prepare student registration form and validate it using JavaScript. 7. WAP to perform CRUD operation on Array using HTML and JavaScript. 8. Write a JavaScript that handles following mouse events. Add necessary elements. If the mouse is over the heading should turn yellow and if the mouse goes out of the heading it should turn black. If findtime button is clicked show time and date information. If button named "red" is clicked, background should change to red and If button named "green" is clicked, background should change to green. 9. Write a JavaScript that handles following mouse events. Add necessary elements. JavaScript gives the key code for the key pressed. If the key pressed is "a","e","i","o","u", the script should announce that vowel is pressed. When the key is released background should change to blue.

2301CS363 – Web Technology - 1

13	A.	1. WAP to demonstrate callbacks in JavaScript.
	A.	2. Demonstrate the difference between let and var.
	A.	3. Demonstrate the default parameter while using a function.
	A.	4. Demonstrate the spread operator.
	A.	5. Demonstrate the 'for of' loop.
	A.	6. Demonstrate the Array and Object Destructuring.
	A.	7. Demonstrate the Arrow functions.
	A.	8. Demonstrate how to create a class in Java Script.
	B.	9. Create a Snake game using Java script.
	B.	10. Write JavaScript that handles following mouse event. • If mouse left button pressed on browser, it displayed message "Left Clicked". • If mouse right button pressed on browser, it displayed message "Right Clicked".
	C.	11. Write a JavaScript having a list of checkbox and by clicking on checkbox, it should show list of selected value in comma separated format. (e.g. list of roll number as checkbox value, and display selected roll number in comma separated format)
III	Bootstrap	

2301CS363 – Web Technology - 1

LAB-14	A	10. Write HTML, Bootstrap code for following effects
		# Darshan University-Rajkot Rajkot-Morbi Highway, Hadala, Email:info@darshan.ac.in, Phone:0281-2569612 Welcome to Darshan University ~~Darshan Institute of Engineering and Technology~~ ~~Darshan Institute of Engineering and Technology~~ Darshan University-Rajkot Darshan University-Rajkot Darshan University-Rajkot **Darshan University-Rajkot** *Darshan University-Rajkot* 11. Use Bootstrap typography to put abbreviation in paragraph. 12. Use Bootstrap typography to align text (left, center, right) 13. Create Unstyled list using Bootstrap typography. 14. Use Bootstrap to display responsive image in webpage. Also use alignment to align it in left, center and right side of webpage. 15. Use Bootstrap to create thumbnail of image.
LAB-15	A	16. Create a design similar to Practical No-6 and 7 using the grid system of bootstrap.

2301CS363 – Web Technology - 1

LAB-16	A	17. Write HTML, Bootstrap code to design following image.
		18. Design SIGN-IN form using Bootstrap.

19. Redesign forms created in Practical No-4 using Bootstrap.

2301CS363 – Web Technology - 1

LAB-17	A	20. Write HTML, Bootstrap code to design following image. 21. Write HTML, Bootstrap code to design following image.
LAB-18	B	(Link for the Bootstrap Page Designs for the Practice)

2301CS363 – Web Technology - 1

LAB-19	B	(Link for the Bootstrap Page Design for the Practice)
LAB-20, 21, 22, 23		Mini Project with Java Script