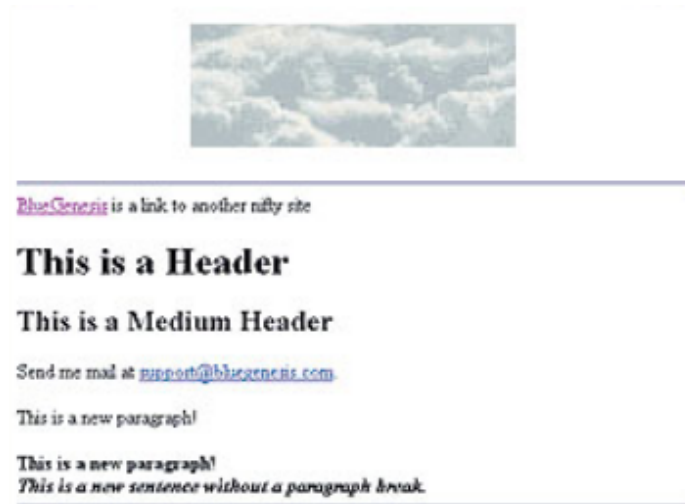# RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
Computer Science & Business Systems

101009/IT602F MODERN WEB APPLICATIONS LAB
SEMESTER 6
(Feb 2024-June 2024)

1. WEBSITE USING HTML (week 1)

Create a website that demonstrates the usage of the following HTML tags:

·Headings

·Paragraphs

·Image

·Anchor

·Table tags

BlueGenesis is a link to another nifty site

This is a Header

This is a Medium Header

Send me mail at support@bluegenesis.com.

This is a new paragraph!

This is a new paragraph!
This is a new sentence without a paragraph break.

	Camelid comparison Approximate as of 6/2011			
	# of humps	Indigenous region	Spits?	Produces wool?
Camels (bactrian)	2	Africa/Asia	Yes	Yes
Llamas	1	Andes Mountains	Yes	Yes

2. WEBSITE USING HTML AND CSS (demonstrate the usage of inline, internal and external style sheet using CSS) (week 2)

Develop a website for Online Bus Ticket Booking having pages:

a) Home Page:

- Navbar

- Banner image

- Contents

- Footer

b) Ticket Booking

- Book Ticket

- Booking Details

c) About Us

3. Develop a **RESPONSIVE WEBSITE WITH BOOTSTRAP** for Online Bus Ticket Booking. (Week3)

4. JAVASCRIPT ARRAY, OBJECT AND FUNCTIONS (Week 4)

    a) Write a Javascript program to find the sum of array and to sort a list of elements using Bubble Sort elements using function(use alert to print the output)

    b) Write a Javascript program to calculate grades of students and average grade of a class(use prompt to get input, use document.write() to displays the output)

5. FORM VALIDATION USING JAVASCRIPT (Week 5)

Write the client side scripts for Validating HTML Registration (Form Validation) Using JavaScript.

Registration Form

User id:	Required and must be of length 5 to 12.
Password:	Required and must be of length 7 to 12.
Name:	Required and alphabates only.
Address:	Optional.
Country:	(Please select a country) ▾ Required. Must select a country.
ZIP Code:	Required. Must be numeric only.
Email:	Required. Must be a valid email.
Sex:	○ Male ○ Female Required.
Language:	☑ English ☐ Non English Required.
About:	Optional.

Submit

6. DOM & EVENT HANDLING (Week 6)

    a) Write a JS program to find the sum of two number in the button click event.

    b) Create a button named 'change color' and change its foreground color to red when mouse over and its back ground color changes to green when mouse out of Button .Use

DOM Event listener property.

7. AJAX with HTML, XML and JSON data(Week 7)

Write a program using AJAX to retrieve Book title, Author and Price with HTML, XML and JSON data

8. JQuey (Week 8)

Implement JQuery inserting elements (.before(),.after(), .prepend() and .append()).

9. AngularJS (Week 9)

Create a simple AngularJS application that displays a list of items fetched from a predefined array in the controller. Include features like filtering and sorting.

10. Develop a web site with HTML, CSS, Javascript/JQuery, Node JS and any db (Groupwise

microproject)

     a) Student Management System

     b) Library Management System

     c) Hospital Management System

     d) Supply Chain Management System etc

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