

## SANDIP FOUNDATION'S SANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, NASHIK

(An autonomous institute permanently affiliated to Savitribal Phule Pune University, Pune)

## ASSIGNMENT SHEET

Course Code : 2815213A	_ course Name: Web Design Using HTML and Cs
Class: 5. Y. B. tech	Branch: Computer Engineering

Permanent Registration Number: 1 1 2 0 2 3 4 8 8

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Q.No.	ASSIGNMENT NO.1 (PART 1)
(01	What are the basic principles involved in developing a website?
	Explain how each principle contribute to effective web-design.
ORGANIC	Basic Principles involved in developing a Website
1.	Purpose and Goal Setting
X*110	· Define the Purpose 0
- 114	Identify the mebsites objective (eg. e-commerce, education,
	port tolia, blog).
	thigh design and content with the goal (eg selling products or sharing knowledge)
	sharing knowledge
	Set Measurable Goals
1	· Define Key Peckormance Indicatore (KPIS) like traffic,
11111	conversions or user engagement.
2.	Industand the Target Audience
	Demographicere tige gender profession, geographic location and
	cultural background
	Use Behaviour: Focus on use preference, such as browning
	browsing habits and devices.
	· User Needs: Identify problems the website will solve for the
	audience

Q.No.	
7	Call to Action (CTA)
	· Purposeful CTA
	Guide users to take specific actions (eg. "Signup", "Buy Now")
- 11	· Placement: Tours outline I have not store Quality of the
100	Place CTAs strategically where they are easy to notice and click.
8	Security and Privacy
900	· Secure Connection: Use HTTPs for secure communication.
	· Data Protection: Implement proper measures to protect user data
	· Privacy Compilance: Adhere to global regulations like GDPR and CGPA.
g2.	What are give golden rules are web-designing? Describe sock and every
	sule and its significance in ensuring user-prendly web experience.
h	KLEP IT SIMPLE
11 25/10	· Avoid Clatter Use a clean and organised dogs with minimal distraction.
to E	· Minimalism: Was fewer et ensents to the consured have a serve a purpose.
La Frence	· Readable Content: Use simple fonts, clear headings, and concise text
ļ,	to make the content easy to read.
1	· White Space: Incorporate whitespace effectively to separate sections and
	enhance visual clamby
1.	Example: Gongle's homepage examplifies simplicity by focusing society on the
2.	Consistency: additional bandon in steel stand
	Design Uniformly: Maintain a consistent design style across the website  Broad Identity: Ensure the design reflects brand's identity, such as logo  placement, tone and images.
Victory	and thready.
- Agg	· Page Layouts: Use a common template for all pages to avoid confusing
Aligne	· Navigation: Keep navigation menus consistent on all pages for intuitive user.

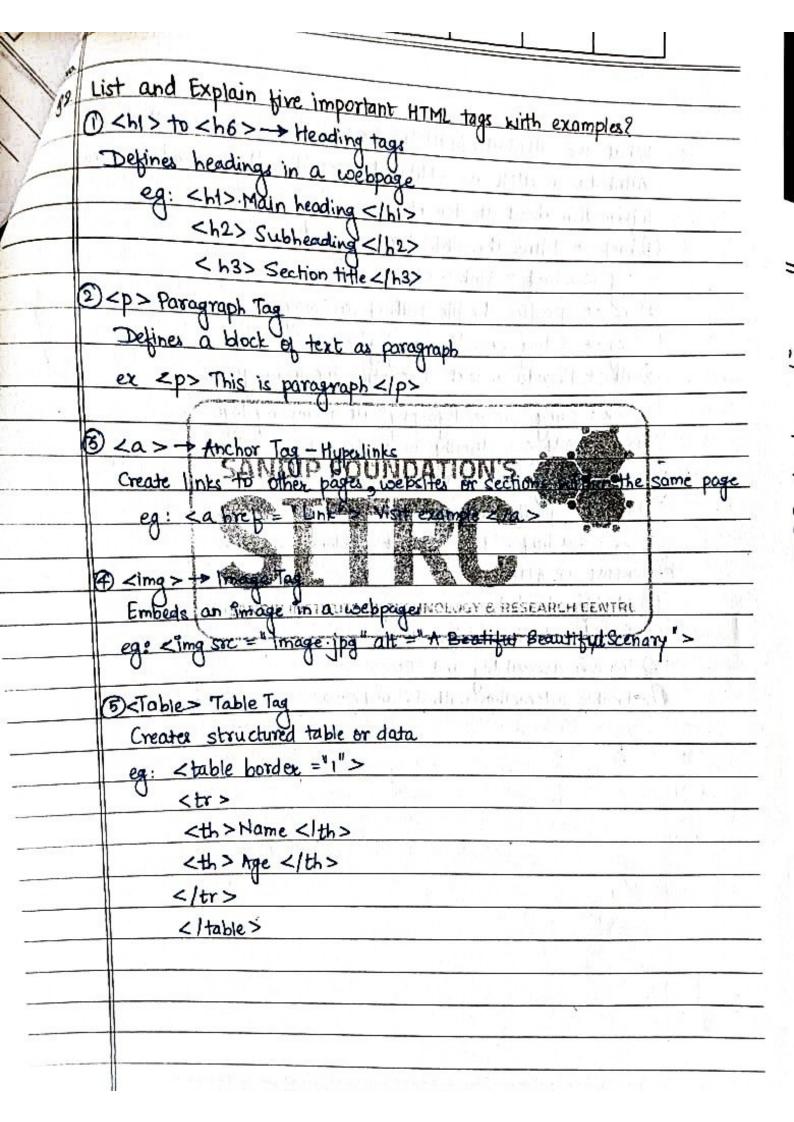
0.112	including text, visuals and multimedia behaviours and preferences
Q.No.	Uses - Centered Design: Muchan
	target audience
	U .
Q4.	Why is it important to create a website? Discuss its relevance for
- 3	his nesses, individuals and organisations in digital age.
en frieze	Creating a website is essential in today's digital age because it
	serves as a central hub for information, communication and transcations.
	Whether for businesses, individuals or organisations, a website
9.35	provides credibility, viability and accessibility. Its Relevance
*	For Businessess-
1.	Global Reach and Visibility: A website allows businesses to spand
-1.	beyond geographical # limitations, making it easier to pass customer
	worldwide.
2	Brand Credibility and Trust: Consumers often research online before making
	a purchase to professional websites enhance trust and legitimacy.
7	E Commerce Approximitient Businessevican well products products products products
	providing 24/7 accessibility to consumera.
7	FOR INDIVIDUALS:
-	Personal Branding: A websiter helps showcase portfolio, resumes, and blogs
	making it easier to build an online for gob seekers, freelancers and
	influencers.
	2 Professional Growth: Enterpreneurs, consultants and creatives can use websites
	to establish authority in their field.  3. Monetiration and stall I was a stall to the stall to
	3. Monetization and Side Hustles: Individuals can earn through blogging, affiliate marketing or orline courses.
	* FOR ORGANISATIONS:
	1. Awarness: websites help in spreading awarness about causes, initiatives
	2 Donor and Volunteer Engagement: + website allows for easy donations,
	volunteer signings and event promotion.

Information Sharing: Educational in the !!
Information Sharing: Educational institutions, research organisations and government bodies use websites to share knowledge, policies and updates.
How do they contribute to compatibility and accessibility across different
platforms?
kleb standards are set of rules and guidelines that ensure websites
and web applications are developed consistently and function reliably
across different devices, browsess and platforms. They are established and
maintained by international organisations like the World Wide Web. Consortium
Importance of Web-Deslan FOUNDATIONS
Ensures Consistency: High our day mement such as edon's tonts
layouts with the bright's messages
Improve user specience
Helps upens mavigate the site of introthing DGV & RESEARCH CENTRE
Creates a memorable and recognizable online process.
Enhances Communication:
Ensure the Websites conveys the intended message clearly and effectively
Governed by WCAG (Web Content-Accessibility Guidelines) to ensure web
content is accessible to users with disabilities.
Levels: A, AA, AAA with AA being the most commonly adopted standards.



Q.No. Gr.-1 Gr.-2 Gr.-2

PART 2 Q.No. What is HTML? Describe the basic structure of HTML document with suitable example HTML is the Standard Language used to create and structure web pages. It defines the content of a webpage using tags and elements that instruct web browsers on how to display text, images, links etc Basic structure of an HTML Document 1) < | DOCTYPE html > Declares the document type and HTML version. 2 < html > The most element that contains all the HTML document 3 < head? Holds metadata such as the title character encoding and links to stylesheets Extitle > defines the fitte of Webpages 10115 5 < body > contains all visible content like touts, images, links and Korms < html >ANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE <title> The basic building blocks of HTML </title> </head> <body> <h2>The Building Blocks </h2> This is paragraph tag <>><1p> </body> </html>





Q.No.	
Q3.	What are attributes in HTML? Explain their purpose with example.
3	Attributes in HTML are additional properties that provides extra
	information about an element
	1) horek -> defines the URL for a hyperlink
	eg <a href="Link&gt;&lt;/a&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;2) src -&gt; specifies the file path of an image&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;eg → &lt; 1mg scr = " image.jpg"=""></a>
	3 alt -> Provider a text description for an image
	[2] L. J. J. J. B. B. J. J. J. L. L. L. J.
	ex: \(\) ima src = "logo.png" alt = "company logo" >
G.	4) Style: Add css directly to an element
- 14	eg:  5) target - specifies how a link should open
	ex: < a line = "Line torget = Blank > < ha>
*	PURPOSE OF ATTRIBUTES
	1) Modify the behavious or appearance of an element
1	2 Provide additional Amprimation TECHNOLOGY & RESEARCH EENTRE
	3 Improve accessibility and SEO.
	1 Enable interaction with JS and Cas.
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