

COURSE TITLE	FINTECH USER INTERFACE DESIGN-I
COURSE CODE	05FN0104
COURSE CREDITS	2

Objective:

- 1 To impart a thorough understanding of HTML/CSS, Hyperlinks, Advanced text formatting, Document and website structure
- 2 To impart a thorough understanding of how to structure Table & Create a form for different purpose.
- 3 To impart a thorough understanding demonstrate the ability to apply tags in HTML pages and styling with the help of CSS.
- 4 To impart a thorough proficiency in HTML and CSS for implementing designed interfaces, and possibly introductory knowledge of JavaScript for interaction.
- 5 To design a webpage and to showcase a series of images on a webpage.

Course Outcomes: After completion of this course, student will be able to:

- 1 Students can demonstrate the concept of Frontend Languages by designing and developing web pages using HTML, CSS, and JavaScript. They have the opportunity to create visually appealing and interactive interfaces that enhance user experience and engagement.
- 2 Students can design a basic contact form using HTML form elements, incorporating fields for name, email, subject, and message. This hands-on exercise allows them to understand the structure and functionality of HTML forms, essential for collecting user input on web pages.
- 3 Embedding a YouTube video and customizing its size and playback controls using HTML attributes enables students to integrate multimedia content seamlessly into web pages. This practical task enhances their skills in multimedia integration and customization using HTML.
- 4 Developing a web page showcasing favourite vacation spots using HTML lists enables students to organize and present information effectively. They learn to structure content using HTML elements, facilitating clear and intuitive navigation for website visitors.
- 5 Students can create a web page displaying a list of favorite books using HTML tables, mastering the use of tables for organizing and presenting tabular data. This exercise enhances their skills in structuring information and designing visually appealing layouts using HTML.

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	4	0	30	20	0	50

Contents : Unit	Topics	Contact Hours

Total Hours	
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Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	Unit 1 Demonstrate the concept of Frontend Languages., Design a basic contact form using HTML form elements. Include fields for name, email, subject, and message., Embed a YouTube video and customize its size and playback controls using HTML attributes., Develop a web page showcasing your favourite vacation spots using HTML lists to organize the destinations., Create a web page displaying a list of your favourite books using HTML tables to structure the information	30
2	Unit 2 Design a simple webpage about your favourite food, including images, descriptions, and a list of ingredients using HTML., Develop a simple webpage that explains the process of how the internet works, using diagrams or images and interactive elements to enhance understanding., Build a basic webpage using HTML, CSS, and JavaScript that showcases your favourite hobby or interest. Include images, text, and interactive elements., Design a simple card layout using CSS to display images and text in a visually appealing format., Implement a CSS-only slideshow/carousel to showcase a series of images on a webpage.	30
Total Hours		60

Textbook :

- 1 HTML and CSS: Design and Build Websites, Jon Duckett, Wiley, 2011

References:

- 1 Designing Interfaces: Patterns for Effective Interaction Design, Designing Interfaces: Patterns for Effective Interaction Design, Jenifer Tidwell, O'Reilly Media, 2010
- 2 The Elements of User Experience: User-Centered Design for the Web and Beyond, The Elements of User Experience: User-Centered Design for the Web and Beyond, Jesse James Garrett, New Riders, 2011
- 3 The Design of Everyday Things, The Design of Everyday Things, Don Norman, Basic Books, 2013
- 4 Responsive Web Design, Responsive Web Design, Ethan Marcotte, A Book Apart, 2014
- 5 HTML and CSS: Design and Build Websites, HTML and CSS: Design and Build Websites, Jon Duckett, Wiley, 2011

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery
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Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 Board work
- 2 PPT
- 3 Demo

Supplementary Resources:

- 1 <https://www.nngroup.com/articles/usability-101-introduction-to-usability/>
- 2 <https://www.smashingmagazine.com/category/ux-design/>