



(Shri Ramkrishna Seva Mandal's)
ANAND COMMERCE COLLEGE

An Autonomous College (2025-26 to 2034-35)

(Affiliated to Sardar Patel University)

NAAC ACCREDITED "A" GRADE (3.04 CGPA)

ISO 9001:2015



Syllabus As Per NEP 2020 With Effect from the Academic Year 2025-2026

Bachelor of Computer Applications

BCA Semester – I

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| Course Code | UCA01MIBCA03 | Title of the Course | Frontend Web Development -I |
| Total Credits of the Course | 2 | Hours per Week | 2 |

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| Course Objectives | <ol style="list-style-type: none">1. Understand The Fundamentals of The Internet, World Wide Web, Web Browsers, URLs, And Core Web Design Principles.2. To Learn and Apply HTML, HTML5, DHTML, And CSS/CSS3 For Creating Structured, Styled, And Interactive Web Pages.3. To Explore Modern Web Design Using Bootstrap for Developing Responsive and User-Friendly Websites. |
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| Course Content | | |
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| Unit | Description | Weightage* (%) |
| 1. | Understanding the Internet and World Wide Web: Five Golden Rules of Web Designing, Brief History of Internet, what is World Wide Web, URL, Domain, what is Web Page and a Website, Internet Browser, HTML and CSS Editors HTML Basic HTML Introduction, HTML Elements, HTML Attributes, HTML Headings, HTML Paragraphs, HTML Links, HTML Text Formatting, HTML Styles, HTML Images, HTML Tables, HTML Lists, HTML Forms Advanced HTML Doctypes, HTML Head, HTML Meta, HTML Scripts, HTML Entities, HTML URL HTML5 HTML5 New Input Types, HTML5 Audio, HTML5 Video | 35% 11 Hr. |
| 2. | DHTML | 35% 11 Hr. |

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| | Introduction to DHTML, Applications of DHTML, Components of DHTML CSS Introduction to Cascading Style Sheets (CSS), Ways of Specifying Style -Inline, Internal, External, Basic Syntaxes, ID And CLASS Selectors, CSS Font Properties, CSS Text Properties, Background Properties, List Properties, Margin Properties, CSS Comments | |
| 3. | CSS 3 Border Property, Background & Gradient Property, Drop Shadow Property - 2D & 3D Transform Property, Transition Property, Box-Sizing Property, Position Property Introduction Bootstrap Introduction to Bootstrap, Why Bootstrap, Features of Bootstrap, How to use Bootstrap, Structure of Bootstrap | 30% 08 Hr. |

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| Teaching-Learning Methodology | Material for this course will be presented using multiple teaching approaches: lecture and discussion, exploration and inquiry, cooperative group work, demonstrations, and presentations |
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| Course Outcomes: Having Completed This Course, The Learner Will Be Able To | |
| CO1 | To understand the fundamentals of the Internet, the World Wide Web, and core web technologies (HTML, HTML5). |
| CO2 | To develop and style structured web pages using CSS2, and DHTML. |
| CO3 | To apply modern web design principles and tools to create functional, visually appealing, and user-friendly websites using CSS3 and Bootstrap. |

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| Suggested References | |
| Sr.No. | References |
| 1. | Jon Duckett, HTML and CSS: Design and Build Websites", Publisher: Wiley,2011. |
| 2. | Douglas E Comer: The Internet, PHI, Second Edition, May 2000. |
| 3. | Xavier C: World Wide Web Design with HTML, Tata McGraw Hill Publication, 2000. |
| Digital Resources to Be Used If Available as Reference Material | |
| Digital Resources | |
| W3Schools – HTML – Beginner to advanced HTML topics. | |
| TutorialsPoint – DHTML – Covers all major components: HTML + CSS + JavaScript + DOM. | |



Chairman
BOS of Computer Science
Anand Commerce College



Academic Coordinator
Anand Commerce College



Principal
Anand Commerce College