

# DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR

## Department of Computer Science

### Report on Certificate course in Front End Web Development

Dates	:	1.04.2024 To 18.04.2024
Program	:	Certificate Course In Front End Web Development
Coordinator	:	Dr. Pankaj Nimbalkar Head Of The Department, Computer Science
Resource Person	:	Dr. Vijeet Meshram, Assistant Professor, Department Of Computer Science
Number Of Attendees	:	90 (Girls: 65 Approx ; Boys – 25)
Venue	:	Department Of Computer Science

**Param Poojya Dr. Babasaheb Ambedkar Smarak Samiti's**  
**Dr. Ambedkar College**  
Deeksha Bhoomi, Nagpur

**Department of Computer Science**  
is organising a  
Certification Course on  
**Front End Web Development**

**Duration : 30 Hours**  
**Fees : 500/- Only**

**Learning Path**

- HTML
- CSS
- Bootstrap

**Benefits**

- Hands-on experience
- Receive a certificate upon completion
- Network with other aspiring web designers
- Open doors to exciting career opportunities

**Who is this course for?**  
Beginners with no prior coding experience  
Individuals looking to transition into web design or development  
Anyone passionate about creating beautiful and functional websites

Co-ordinator  
**Dr. P.V. Nimbalkar**  
HOD  
Department of Computer Science

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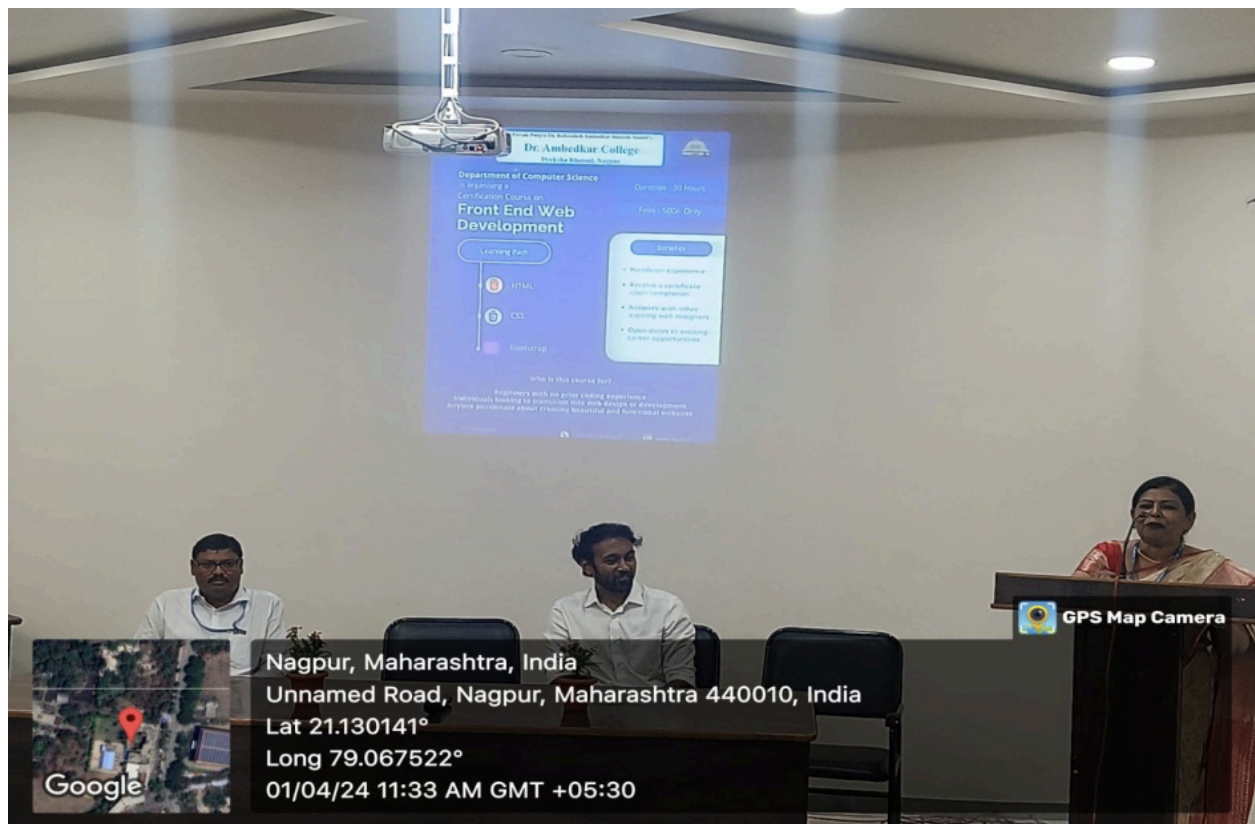
Dr. Ambedkar College, Deekshabhoomi, Nagpur - 440010

## Day - 1 (Inaugural Function)

Department of computer science organizing a certificate course on Front End Web Development from 01-04-2024 to 18-04-2024 specially for final year and PG students. The main objective of the Course is to improve the competency level of the students after Graduation and Post-Graduation. After the completion of course students should improve soft skills in front end applications like JAVA,HTML,CSS,and Bootstrap programming and also develop the cumulative and comprehensive understanding in Back end applications also.

The certificate course was inaugurated by Dr. (Mrs.) B.A.Mehere Madam, Principal,Dr. Ambedkar College,Deekshabhoomi Nagpur.Dr. P. V. Nimbalkar Course Coordinator Explain the importance of the course and course objectives. Dr. Vijeet Meshram Resource person,Mr. Rakesh Uikey,Assistant professor,Mr. Sujay Paldhikar Assistant Professor,Ms. Pooja Kavishwar ,Assistant prof. Non-teaching staff members Mr. Ashish Moraskar and Rohit Meshram were present during the Inauguration program.

Ms. Kalyani Patil of B.sc final year conducted the program and ANS. Sriya Chikate proposed a formal Vote of Thanks.





## Course Content

### HTML - 06 hours

#### Day 1 :

- **Introduction to HTML:** What is HTML, basic structure and elements, creating a simple HTML document.
- **Common HTML Elements:** Headings, paragraphs, lists, images, links, forms (basic introduction).
- **Hands-on Practice:** Create your first HTML document with basic structure and elements. Create an HTML document with different elements and practice writing tags and attributes.

#### Day 2 :

- **Form Elements and User Input:** Input fields, textareas, radio buttons, checkboxes, submit buttons.
- **Tables and Data Presentation:** Creating tables with rows and columns, headers and footers.
- **Hands-on Practice:** Create a simple form in HTML with various input elements. Create a table in HTML with headers, data, and basic styling.

#### Day 3 :

- **Advanced HTML Features:** Embedding multimedia (images, audio, video), creating hyperlinks and navigation (basic).
- **Hands-on Practice:** Implement multimedia elements in an HTML page and create a basic navigation system with links.
- **Review and Q&A:** Address any questions or doubts, recap key concepts learned.

#### Day 4 :

- **Introduction to CSS:** What is CSS, basic syntax and selectors, inline styles.
- **CSS Styling Properties:** Text formatting, backgrounds and borders, padding and margin.
- **Hands-on Practice:** Create a simple CSS stylesheet and apply it to an HTML document, experiment with basic selectors and properties.

### CSS - 06 hours

#### Day 5 :

- **CSS Layout Techniques:** Floats and clearing floats, basic positioning.
- **Advanced CSS Features (Introduction):** Animations and transitions (basic concepts).
- **Hands-on Practice:** Apply layout techniques to create a simple website structure. Try simple animations and transitions in your CSS.

#### Day 6 :

- **Media Queries for Responsive Design:** Introduction to media queries and basic usage.
- **CSS Best Practices and Optimization:** Code organization, readability, using preprocessors (brief introduction).
- **Hands-on Practice:** Implement a simple media query to adjust your layout for different screen sizes. Refactor your CSS code for better organization and clarity.

#### Day 7 :

- **Review and Q&A:** Address any questions or doubts, recap key concepts learned.
- **Hands-on Practice:** Work on individual projects or group exercises focusing on HTML and CSS.

### Bootstrap - 08 hours

#### Day 8 :

- **Introduction to Bootstrap:** What is Bootstrap, key features and components.
- **Bootstrap Layout and Grid System:** Creating responsive layouts with Bootstrap's grid.
- **Hands-on Practice:** Set up Bootstrap in your HTML project and use basic components (grid system, buttons, forms). Experiment with the grid system to create basic website layouts.

#### Day 9 :

- **Extending Bootstrap Components:** Styling components with custom CSS, creating simple custom components.
- **Bootstrap Navigation and Forms:** Working with navigation bars, menus, and forms.
- **Hands-on Practice:** Style Bootstrap components and experiment with creating a simple

custom component. Implement a navigation bar or menu and create a form.

#### Day 10 :

- **Bootstrap Modals and Alerts:** Using modals for popups, dialogs, and confirmations, displaying informative or alert messages with alerts.
- **Review and Q&A:** Address any questions or doubts, recap key concepts learned.
- **Hands-on Practice:** Implement a modal dialog and an alert message in your project. Work on individual projects or group exercises focusing on Bootstrap components.

#### Day 11 :

- **Bootstrap JavaScript Plugins (Introduction):** Understanding and using common plugins like carousels, popovers, and tooltips.
- **Responsive Design with Bootstrap:** Using Bootstrap's grid system and media queries for responsiveness, creating layouts that adapt to different screen sizes.
- **Hands-on Practice:** Explore basic functionalities of some plugins. Make your Bootstrap project responsive by adjusting the layout for various devices.

### Course Wrap-up and Project - 10 hours

#### Day 12 :

- **Course Review and Q&A:** Recap of key concepts covered throughout the course.
- **Project Planning and Design:** Define the scope and goals of your course project, create a wireframe or mockup of your website design.
- **Hands-on Practice:** Start planning and designing your individual or group project.

#### Day 13 :

- **Project Development:** Begin coding your project using HTML, CSS, and Bootstrap, focus on implementing basic structure and layout. Address specific challenges or questions related to coding.

#### Day 14 :

- **Project Development Continued:** Deepen your project development with styling and interactivity.
- **Hands-on Practice:** Work on your individual or group project with guidance and support.

#### Day 15 :

- **Project Presentations:** Present your completed project to the class or group.
- **Course Conclusion and Future Learning:** Recap of key takeaways and learnings from the course, discuss resources and opportunities for further exploration, celebrate your accomplishments!

## Course Structure

The course was divided into four modules:

**HTML (6 days):** This module covered the core concepts of HTML, including its structure, elements, forms, tables, and multimedia integration. Students learned how to build the foundation of webpages.

**CSS (6 days):** This module focused on styling webpages using CSS. Students explored text formatting, backgrounds, layouts, and basic animations to enhance the visual appeal of their creations.

**Bootstrap (3 days):** This module introduced Bootstrap, a popular front-end development framework. Students learned how to leverage pre-built components and styles offered by Bootstrap to expedite their development process.

**Project (4 days):** The final module provided students with the opportunity to apply their acquired skills. Students planned, designed, and developed their own websites using HTML, CSS, and Bootstrap. The course culminated in presentations where students showcased their projects.

## Course Outcomes

The course successfully equipped participants with the following skills:

- Building basic web page structures using HTML.
- Implementing common web page elements like headings, paragraphs, lists, images, and forms.
- Styling web pages using CSS to control layout, text formatting, and visual elements.
- Utilizing Bootstrap components and styles to streamline web development.
- Planning, designing, and developing a simple website.

## Overall Assessment

The course provided a valuable introduction to web development for students with little to no prior experience. The curriculum effectively balanced theoretical knowledge with practical exercises, allowing students to solidify their understanding through hands-on projects. The introduction of Bootstrap further enhanced the course's value by demonstrating practical tools used in modern web development workflows.

## Valedictory Function

The valedictory function commenced with a serene and respectful offering of flowers to two towering figures in history, Tathagat Gautam Buddha and Dr. Babasaheb Ambedkar, symbolizing reverence and gratitude towards their teachings and contributions.

Following this auspicious beginning, the Head of the Department, Computer Science ,Dr. Pankaj Nimbalkar took the podium to share his remarks, reflecting on the journey of the course and acknowledging the efforts and dedication of both the students and faculty members and all the staff involved in making and executing this certificate course. He also highlighted the importance of web development skills in today's digital world and expressed his pride in the students' achievements. His words resonated with gratitude and pride for the collective achievements of the academic community.

Dr. Vijeet Meshram then took the stage and shared his valuable insights and experiences working in the field of web development. His speech provided the students with a glimpse into the exciting career prospects that awaited them. His words resonated with the audience, offering inspiration and motivation for future endeavors.

Subsequently, two students were invited to share their feedback about the course, expressing their gratitude for the knowledge gained and the supportive learning environment provided. Their testimonials added a personal touch to the event, highlighting the impact of the course on individual growth and development.

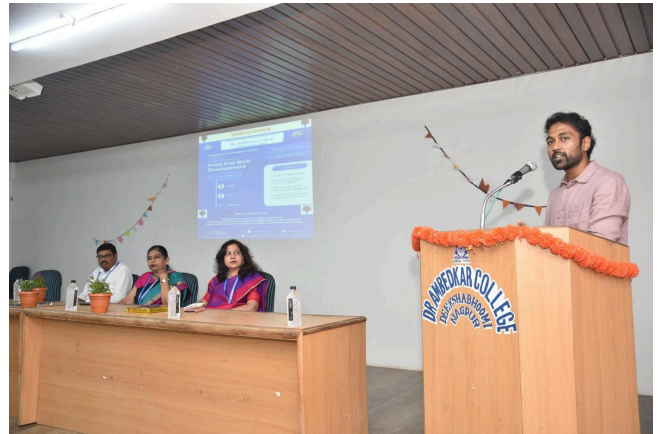
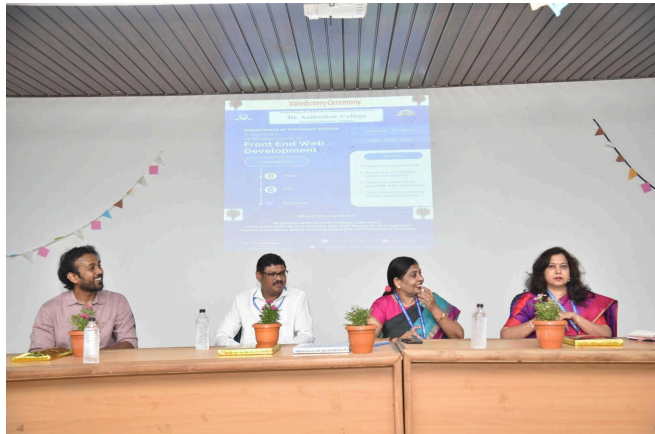
The Vice Principal, Dr. Mrs. D. Y. Panhekar then delivered a speech, emphasizing the importance of holistic education and the role of such courses in nurturing well-rounded individuals equipped for the challenges of the modern world.

The climax of the valedictory function was marked by a stirring speech by the President of the program, Principal, Dr. Mrs. B. A. Mehere who encapsulated the essence of the course and extended heartfelt congratulations to all the participants for their hard work and achievements.

The ceremony concluded with the formal distribution of certificates, denoting the successful completion of the course by the participants and the culmination of their dedicated efforts.A group photo of all the students and teachers served as a fitting conclusion, capturing the camaraderie and sense of accomplishment that permeated the event.

As the curtains drew to a close on the valedictory function, it left behind a sense of fulfillment and pride, as well as anticipation for the bright futures that lay ahead for all involved.











# Feedback Forms

## Front End Development Certificate Course Feedback

Thank you for participating in the certificate course. We hope you had as much fun attending as we did organising it.

We want to hear your feedback so we can keep improving our logistics and content. Please fill this quick survey and let us know your thoughts.

The respondent's email ([pritamotghare35795@gmail.com](mailto:pritamotghare35795@gmail.com)) was recorded on submission of this form.

How satisfied were you with the course? \*

	1	2	3	4	5	
Not very	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very much

Rate the quality of the course content. \*

	1	2	3	4	5	
Very Bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very Good

How would you rate the instructor's knowledge and teaching skills? \*

	1	2	3	4	5	
Very Bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very Good

Were the practical exercises helpful in understanding the concepts? \*

1      2      3      4      5

Not Helpful                                    Very Helpful

How could the instructor improve the delivery of the course? \*

Provide more assignments

What were your key take aways from this event? \*

development of different websites and application

Suggestions for Improvement regarding such events \*

It should be organised regularly each year for a students

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Google Forms

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We want to hear your feedback so we can keep improving our logistics and content. Please fill this quick survey and let us know your thoughts.

The respondent's email ([gaushiyasheikh79@gmail.com](mailto:gaushiyasheikh79@gmail.com)) was recorded on submission of this form.

How satisfied were you with the course? \*

	1	2	3	4	5	
Not very	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very much

Rate the quality of the course content. \*

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Very Bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very Good

Were the practical exercises helpful in understanding the concepts? \*

	1	2	3	4	5	
Not Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Very Helpful

How could the instructor improve the delivery of the course? \*

Giving live tasks and assignments

What were your key take aways from this event? \*

some of the things I already knew before but my concepts was not clear, so this event actually helped me to learn about them technically

Suggestions for Improvement regarding such events \*

Overall event was so good , I don't think there is something to improve

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## Certificates Sample

