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ASSIGNMENT NO:1

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ASSIGNMENT NO:1

KPRIET-HPC_LAB WEBSITE

INTRODUCTION:

The KPRIET-HPC LAB website offers a comprehensive online presence for the High-Performance Computing Laboratory at KPRIET. This multi-page website is designed to provide visitors with valuable information about the laboratory, its services, achievements, and ways to get in touch. Through a user-friendly interface and visually appealing design, visitors can explore the various facets of the laboratory's work and discover its offerings.

STRUCTURE OF THE WEBSITE:

1. Home (index.html):

The homepage serves as the digital welcome mat for the laboratory. It features a header with navigation options, including sections to learn about the laboratory, its services, portfolio, and a contact page. The homepage also showcases a hero area with the laboratory's branding and a visually appealing layout. Visitors can easily navigate to other sections of the website from here.

2. About (about.html):

The "About Us" page provides an overview of the laboratory's background, mission, and values. It includes a header, similar to the homepage, and offers a detailed description of the laboratory's purpose, history, and the team behind its success. This page aims to create a connection with the visitors by sharing the laboratory's story.

3. What We Do (do.html):

The "What We Do" page highlights the laboratory's core services and activities. It utilizes visual elements to illustrate the laboratory's key areas of expertise. Through a combination of text and images, visitors gain insights into the diverse range of services the laboratory offers, such as marketing, development, HTML5, CSS, and WordPress.

4. Portfolio (portfolio.html):

The "Portfolio" page showcases the laboratory's creative works and achievements. This page employs a grid layout to present various projects, each represented by an image.

Visitors can explore the laboratory's portfolio and see examples of their successful projects. The imagery and design emphasize the quality and variety of the laboratory's work.

5. Contact Us (contact.html):

The "Contact Us" page provides a means for visitors to get in touch with the laboratory. It offers a call-back request form, where users can enter their name, phone number, email, and message. In addition, the page displays contact information, including the laboratory's address, phone number, and email. A map image further assists users in locating the laboratory.

HOME (index.html) webpage

DESCRIPTION OF index.html:

The `index.html` file serves as the homepage of a website for a laboratory named "KPRIET-HPC LAB." It includes various sections such as a navigation header, a slider showcasing key messages, a "What We Do" section highlighting the laboratory's services, a section introducing "Who We Are," a display of creative works, statistics about the company's achievements, a "Request A Call Back" contact section, informational sections, and a footer with copyright information. The page combines visual elements, text content, and interactive features to engage visitors.

LIST OF CLASSES USED:

- hero_area
- header_section, navbar, navbar-brand, navbar-toggler, navbar-collapse, navbar-nav, user_option, nav_search-btn
- slider_section, carousel, carousel-indicators, carousel-inner, carousel-item, detail-box
- do_section, do_container, box, img-box, detail-box
- who_section, detail-box
- work_section, work_container, box
- target_section, detail-box
- contact_section, contact-form, map_img-box, btn_on-hover
- info_section, info_contact, info_info, info_insta, info_form, social_box
- footer_section

DETAILED DESCRIPTION ABOUT OF CLASSES:

1. hero_area:

Description: The outermost container for the page's content, covering the entire viewport.

2. Header Classes:

- header_section : The header section containing the navigation menu and branding.
- navbar, navbar-brand: The navigation bar and the branding/logo of the website.
- navbar-toggler: The button to toggle the responsive navigation menu on smaller screens.
- navbar-collapse: The container for the collapsible navigation menu.
- navbar-nav: The list of navigation items.
- user_option: The container for user-related options like the user icon and search button.
- nav_search-btn: The button to trigger the search functionality.

3. Slider Classes:

- slider_section: The section containing the slider.
- carousel, carousel-indicators, carousel-inner, carousel-item: Components for the slider functionality.
- detail-box: The container for text content within each slide.

4. "What We Do" Classes:

- do_section: The section introducing the laboratory's services.
- do_container: The container for the services boxes.
- box, img-box, detail-box: Components for individual service boxes.

5. "Who We Are" Classes:

- who_section: The section introducing information about the laboratory.
- detail-box: The container for text content.

6. "Creative Works" Classes:

- work_section: The section showcasing creative works.
- work_container: The container for creative work boxes.
- box : The container for individual creative work items.

7. "Target" Classes:

- target_section: The section showcasing statistics and achievements.
- detail-box: The container for statistics and achievement descriptions.

8. "Request A Call Back" Classes:

- contact_section: The section for requesting a call back.
- contact-form: The container for the contact form.
- map_img-box: The container for the map image.
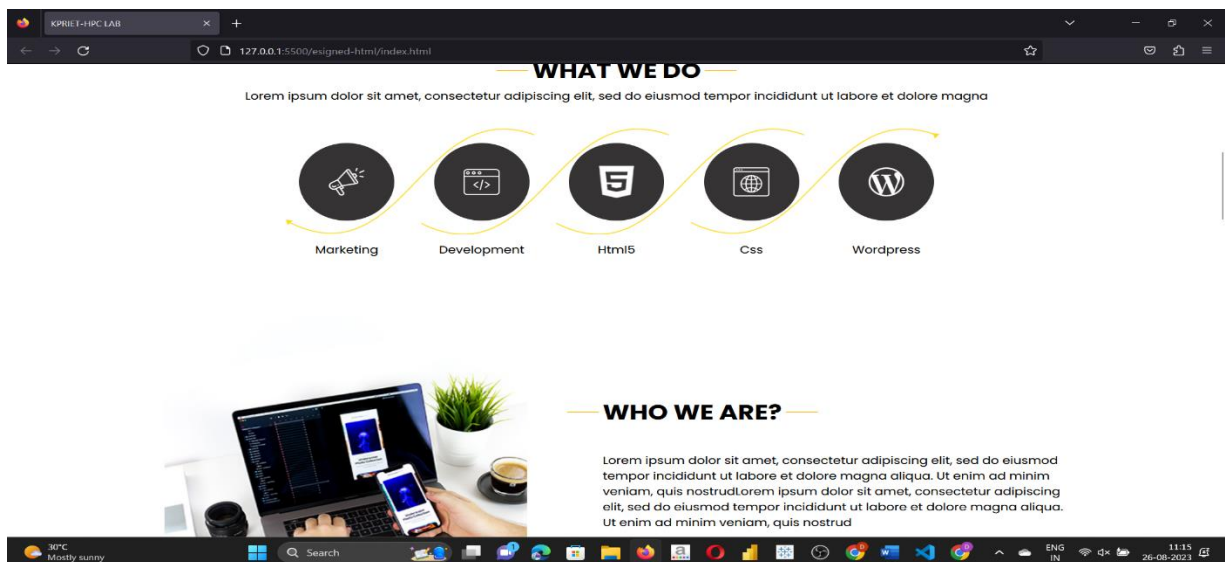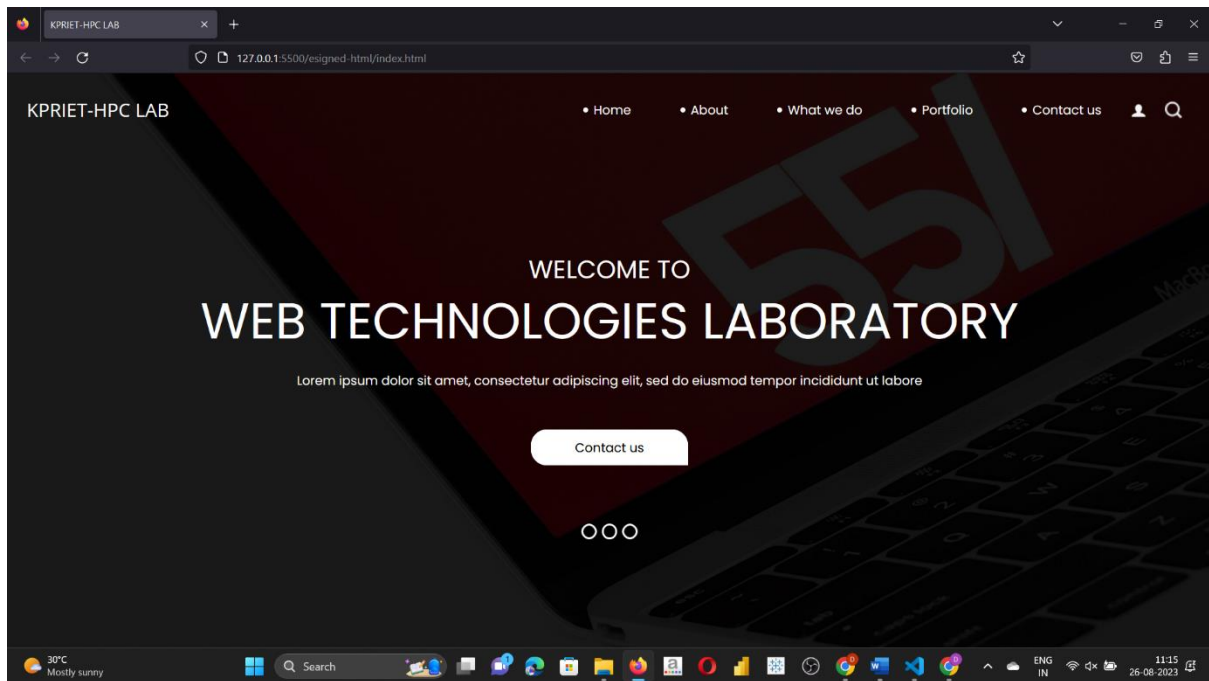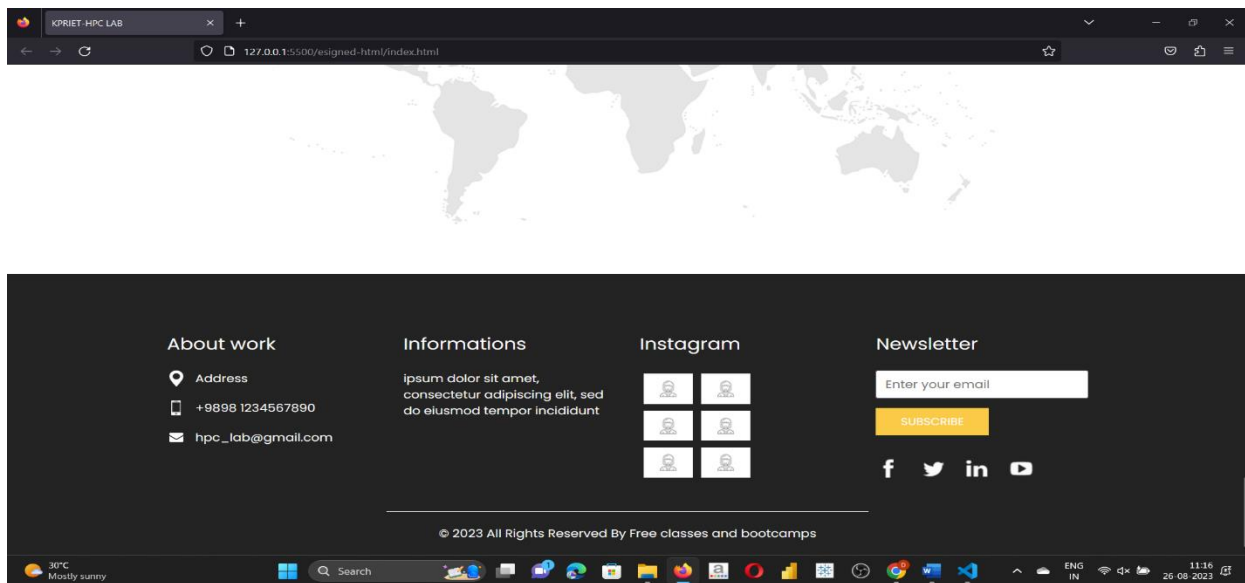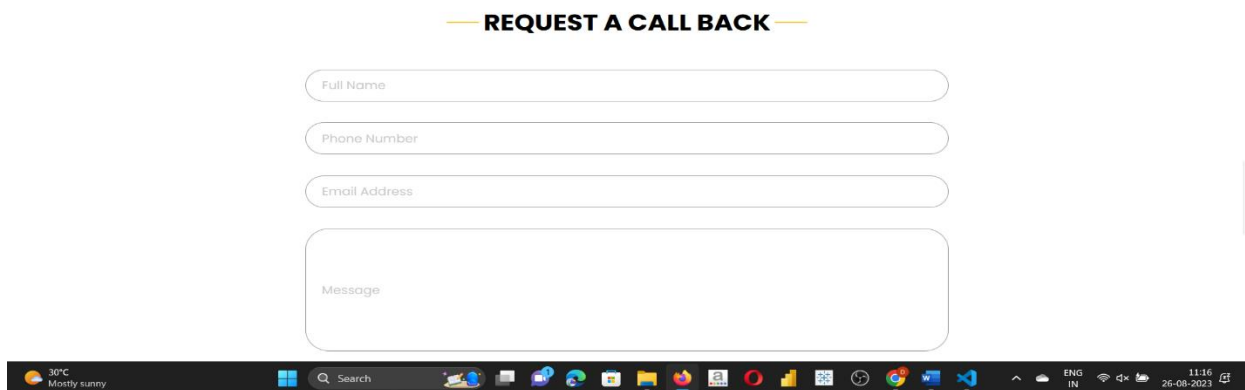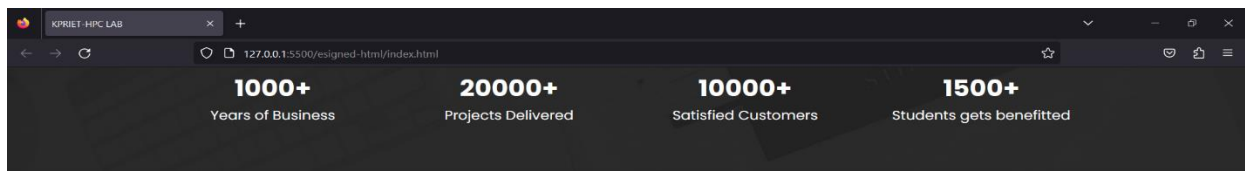- btn_on-hover: The button style used on hover.
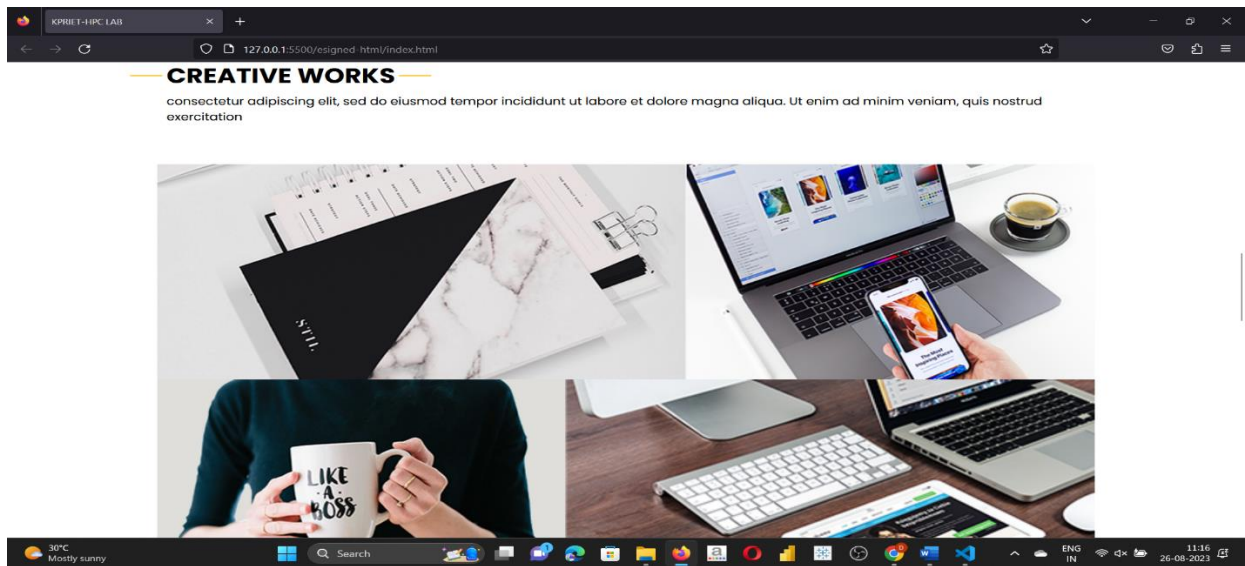
9. Info Classes:

- info_section: The section containing various informational components.
- info_contact, info_info, info_insta, info_form, social_box: Containers for different types of information.

10. Footer Classes:

footer_section: The section containing copyright information.

OUTPUT:

CREATIVE WORKS

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1000+	20000+	10000+	1500+
Years of Business	Projects Delivered	Satisfied Customers	Students gets benefitted

REQUEST A CALL BACK

Full Name

Phone Number

Email Address

Message

About work

📍 Address

📱 +9898 1234567890

✉ hpc_lab@gmail.com

Informations

ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt

Instagram

Newsletter

Enter your email

SUBSCRIBE

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ABOUT (about.html) webpage

DESCRIPTION OF about.html:

The `about.html` file represents the "About" page of the website for the laboratory "KPRIET-HPC LAB." The page provides information about the laboratory, including its identity and contact information. It features a navigation header, a section introducing "Who We Are" with an image and a description, as well as sections presenting various types of information, such as contact details, general information, and social media links. The page also includes a footer with copyright information.

LIST OF CLASSES USED:

- sub_page
- Header Classes (similar to those in `index.html`)
- who_section
- Info Classes (similar to those in `index.html`)
- footer_section

DETAILED DESCRIPTION ABOUT OF CLASSES:

1. sub_page:

   Description: Indicates that the page is a sub-page, potentially used for adding specific styles.

2. Header Classes (similar to those in `index.html`):

   These classes provide the header section with navigation elements, branding, and user-related options.

3. who_section

   Description: The section containing information about "Who We Are."

   Contains:

   - img-box: Container for an image representing the laboratory.
   - detail-box: Container for the textual description of "Who We Are."

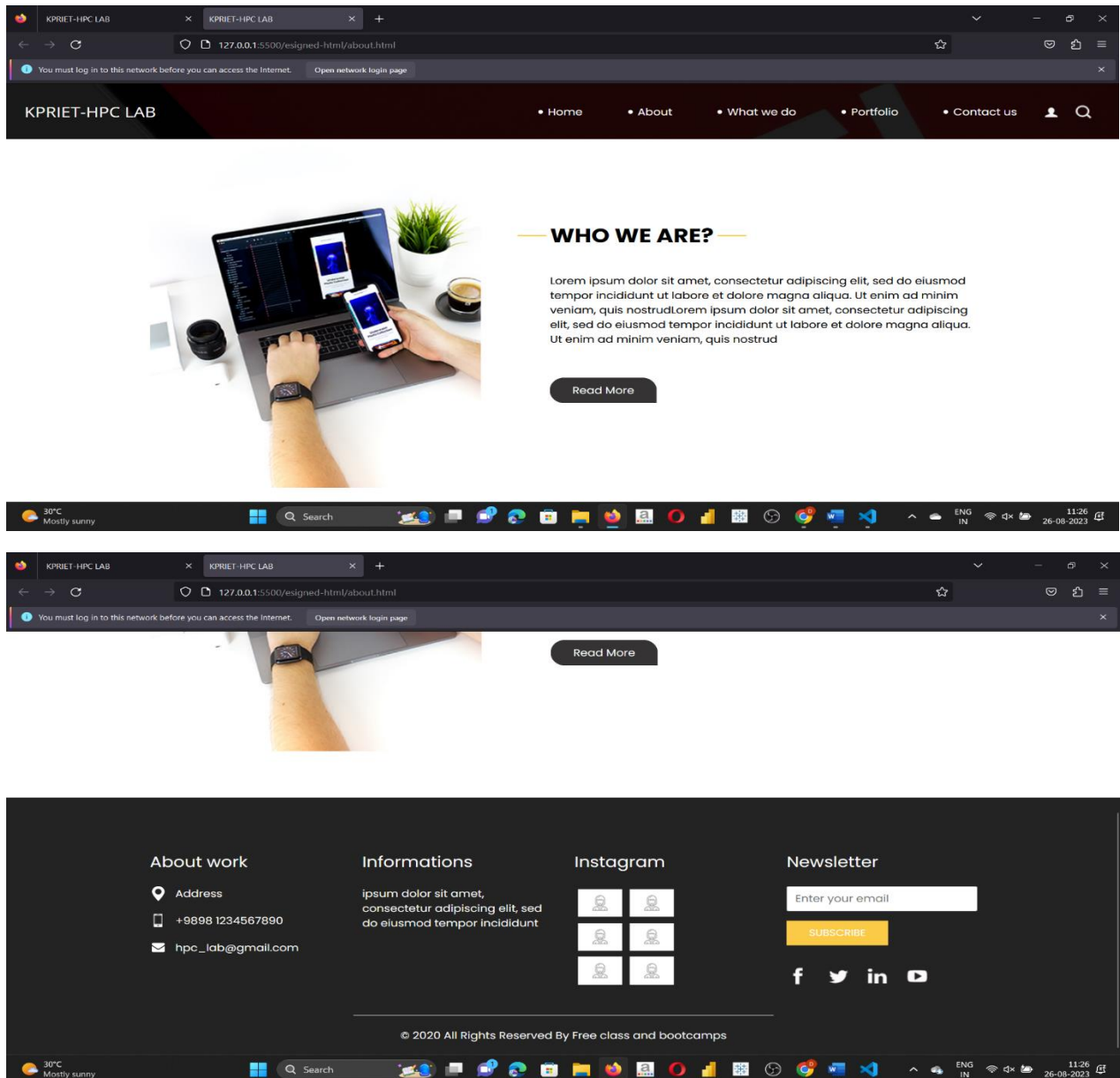4. Info Classes (similar to those in `index.html`):

   These classes provide various types of information, including contact details, general information, and social media links.

5. footer_section

   Description: The section containing copyright information for the footer.

Each class serves a specific purpose in styling and structuring the content on the "About" page, creating a consistent and visually appealing layout across different sections.

OUTPUT:

WHAT WE DO (do.html) webpage

DESCRIPTION OF do.html:

The `do.html` file represents the "What We Do" page of the website for the laboratory "KPRIET-HPC LAB." This page showcases a variety of services or activities provided by the laboratory. It features a navigation header, a section introducing "What we do" with a brief description, and a set of service boxes with icons and titles. Additionally, there are sections for displaying contact information, general information, social media links, and a footer.

LIST OF CLASSES USED:

- sub_page
- Header Classes (similar to those in `index.html`)
- do_section
- Info Classes (similar to those in `index.html`)
- footer_section

DETAILED DESCRIPTION OF CLASSES:

1. sub_page:

   Description: Indicates that the page is a sub-page, potentially used for adding specific styles.

2. Header Classes (similar to those in `index.html`):

   These classes provide the header section with navigation elements, branding, and user-related options.

3. do_section:

   Description: The section containing information about "What We Do."

   Contains:

   - heading_container: Container for the heading and description of the "What We Do" section.
   - do_container: Container for the service boxes that showcase different activities/services.

4. Info Classes (similar to those in `index.html`):

   - These classes provide various types of information, including contact details, general information, and social media links.
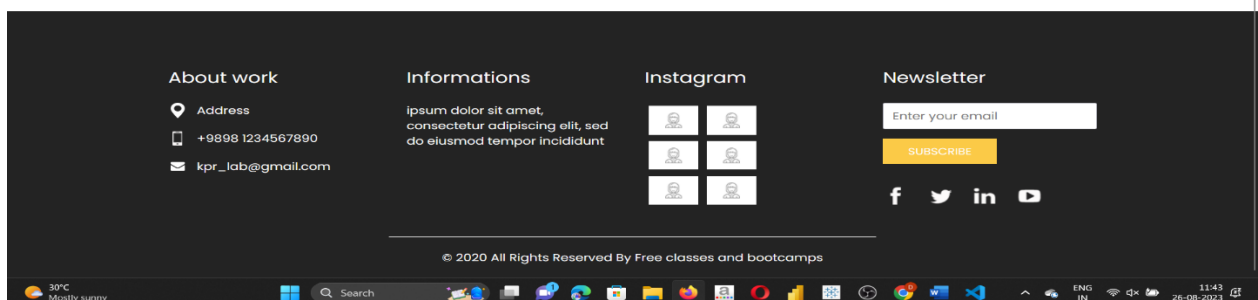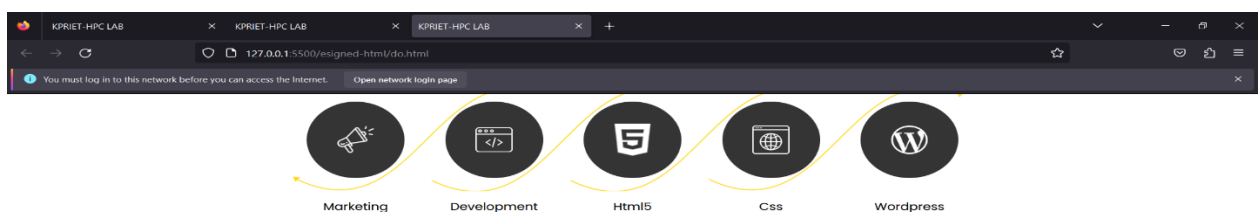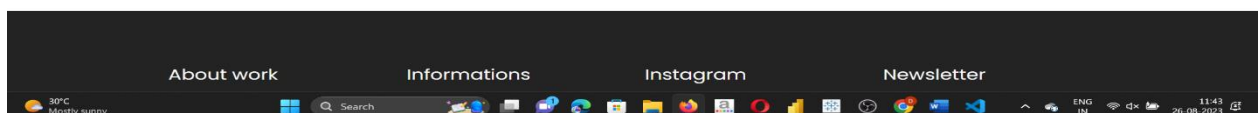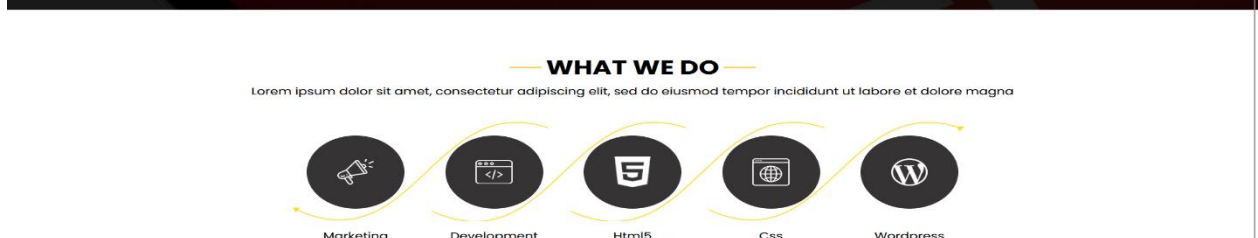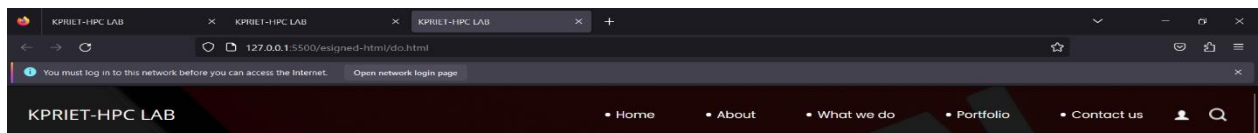
5. footer_section:

Description: The section containing copyright information for the footer.

6. Service Boxes:

- box arrow-start arrow_bg, box arrow-middle arrow_bg, box arrow-end arrow_bg, box: These classes represent individual service boxes.
- img-box: Container for an image representing the service.
- detail-box: Container for the title of the service.

The page's structure and classes are designed to create an organized and visually appealing layout that presents the laboratory's various services or activities to visitors.

OUTPUT:

PORTFOLIO (portfolio.html) webpage

DESCRIPTION OF portfolio.html:

The `portfolio.html` file represents the "Portfolio" page of the website for the laboratory "KPRIET-HPC LAB." This page showcases a collection of creative works or projects associated with the laboratory. It features a navigation header, a section introducing "Creative Works" with a brief description, and a container displaying the creative works as image boxes. Additionally, there are sections for displaying contact information, general information, social media links, and a footer.

LIST OF CLASSES USED:

- sub_page
- Header Classes (similar to those in `index.html`)
- work_section
- Info Classes (similar to those in `index.html`)
- footer_section

DETAILED DESCRIPTION OF CLASSES:

1. sub_page:

   Description: Indicates that the page is a sub-page, potentially used for adding specific styles.

2. Header Classes (similar to those in `index.html`):

   These classes provide the header section with navigation elements, branding, and user-related options.

3. work_section:

   Description: The section containing information about "Creative Works" or projects.

   Contains:

   - heading_container: Container for the heading and description of the "Creative Works" section.
   - work_container: Container for the image boxes representing the creative works.

4. Info Classes (similar to those in `index.html`):

   These classes provide various types of information, including contact details, general information, and social media links.
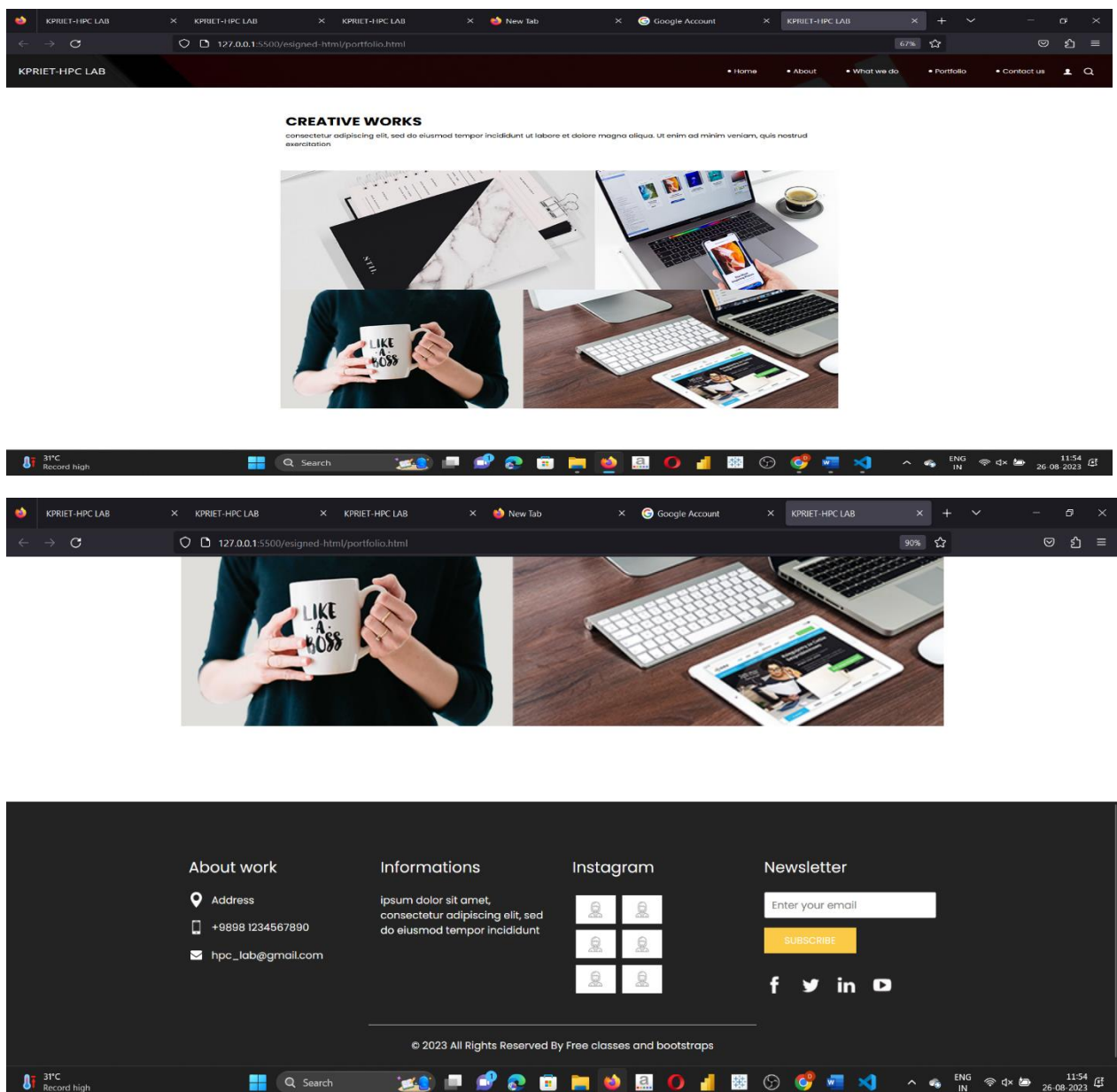
5. footer_section:

   Description: The section containing copyright information for the footer.

6. Image Boxes for Creative Works:

- box b-1, box b-2, box b-3, box b-4: These classes represent individual image boxes for different creative works.
- Contains an img element with an image of the creative work.

The page's structure and classes are designed to present the laboratory's portfolio or collection of creative works in an organized and visually appealing manner, allowing visitors to view the projects that the laboratory has worked on.

OUTPUT:

CONTACT (contact.html) webpage

DESCRIPTION OF contact.html:

The `contact.html` file represents the "Contact Us" page of the website for the laboratory "KPRIET-HPC LAB." This page provides a form for users to request a call back and also displays contact information and a map image. It includes a navigation header, a section for the contact form, a map image, and sections for displaying contact information, general information, social media links, and a footer.

LIST OF CLASSES USED:

- sub_page
- Header Classes (similar to those in `index.html`)
- `contact_section`
- Info Classes (similar to those in `index.html`)
- `footer_section`

DETAILED DESCRIPTION OF CLASSES:

1. sub_page:

   Description: Indicates that the page is a sub-page, potentially used for adding specific styles.

2. Header Classes (similar to those in `index.html`):

   These classes provide the header section with navigation elements, branding, and user-related options.

3. contact_section:

   Description: The section containing the contact form and map image.

   Contains:

   - heading_container: Container for the heading of the "Request A Call Back" section.
   - contact-form: Form for users to input their name, phone number, email address, and message.
   - map_img-box: Container for displaying the map image.

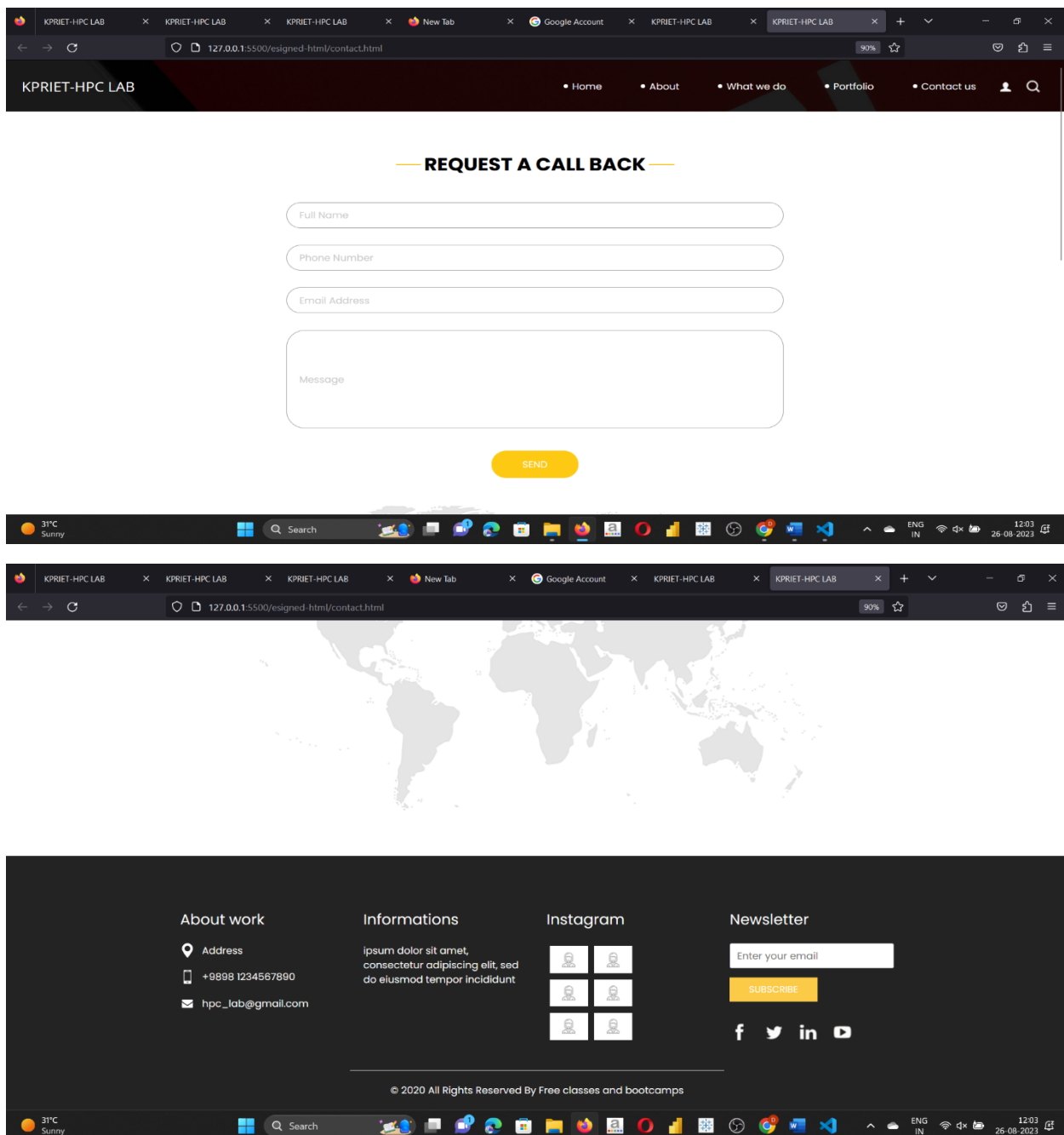4. Info Classes (similar to those in `index.html`):

   These classes provide various types of information, including contact details, general information, and social media links.

5. footer_section

   Description: The section containing copyright information for the footer.

The page's structure and classes are designed to provide a way for users to contact the laboratory by requesting a call back and also view the laboratory's contact details. The map image adds a visual element to show the laboratory's location.

OUTPUT:

CONCLUSION:

In summary, this report has provided a comprehensive overview of the KPRIET-HPC LAB website. It has delved into each of the main web pages, including "index.html," "about.html," "do.html," "portfolio.html," and "contact.html," describing their content, layout, and functionality. The website showcases a visually appealing design with consistent branding elements and easy navigation. Each page serves a specific purpose, whether introducing the laboratory, detailing its services, showcasing its portfolio, or facilitating contact.

The use of responsive design ensures that the website is accessible across various devices, enhancing user experience. Additionally, the integration of technologies such as Owl Carousel for image sliders adds interactivity and engagement. The common elements like the header, footer, and social media links provide a cohesive feel throughout the site.

Overall, the KPRIET-HPC LAB website effectively conveys its mission, services, and contact information while maintaining a modern and professional aesthetic. It serves as a valuable digital platform for the laboratory to connect with its audience, share its accomplishments, and engage potential clients or collaborators. As the internet continues to be a primary means of information dissemination, the website's thoughtful design and content presentation position the KPRIET-HPC LAB for online success.