

Table of content

Abstract	6
Acknowledgement	6
Introduction to our website	6
Objective	7
Problems faced by the organisation prior to website development	7
How website solves the problem?	7
Major section of our website	8
Home page	9
Research page	9
Admission page	10
Gallery page	11
About us page	12
Introduction to the languages that are used while developing website	12
1. HTML(Hypertext Markup Language)	12
2. CSS(Cascading Stylesheet)	14
1. Inline CSS	14
2. External css	14
3. Internal or Embedded CSS	15
3. Javascript	15
Targeted audience	16
Story board	16
Inter face design of major sections	16

Website architecture(navigation bar)	20
Evaluation	21
Benefits of the web site	21
Limitations and Future enhancement	21
Conclusion	21
Workload matrix	22
Minutes of meeting	23
First meeting	23
Second meeting	23
Third meeting	24
Forth meeting	24
Fifth meeting	25
Sixth meeting	25
References	26

Team members

Student name	Student number
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Sandesh Subedi	NPI000040
Suraj Pandey	NPI000051
Nabin Chhetri	NPI000032

Abstract

The study experimentally investigated how a website is designed and brought to operated, with utilisation of HTML, CSS and Javascript. The academic website gives an account about how audiences and end users are benefitted with its use. The motive of the project is to furnish obligatory provision of information, graphics and events. Evaluation processes and procedures encompass detailed study of all required particulars. More or less of attributes are equiped and currently unavailable prerequisite are planned for future enhancement.

Acknowledgement

We would like to expresses our genuine grateful to everyone who assisted us to complete this web designing project. Primarily, we would like to thank to our subject teacher, Mr. Anil Thapa sir. Your support goes a long way in helping us to achieve these goal on time with appropriate guidelines. Moreover, we would like to applaud our mates who helped us in collecting required data . Without their support and cooperation, this paper would not be as good.

Introduction to our website

The website that we have designed is academic related website. This website was developed using HTML,CSS and java script programming language. Our website provide an educational related information as our website is developed for educational institute. The website is built for Mantra academy who are providing education services since 2000 A.D.. As they want to introduce them world wide they have hired our team to develop a website for them.

Objective

Before further enhancing in your project you need to set certain objective of your project so that it gives path to achieve the goal that you have set. So, there are certain objective of developing this websites too, which are listed below:

1. To provide quality information about the organisation and courses to everyone who are unable to gather information about your organisation physically.
2. To help organisation connect to people through internet.
3. To promote digitalisation and attract new students as new generation are more attractive towards digitalisation.
4. To grow interaction between the organisation and students.

Problems faced by the organisation prior to website development

Before developing a website we need to identify the problems about existing sites. This helps you to identify what you need to include in your website, which helps you to achieve the objectives. Some of the problems that have been faced by the organisation in the absence of organisation's website are as follows:

1. Institution was not able to provide depth information about their organisation to the people.
2. Most of the people were unknown about this organisation.
3. The organisation was not able to get connected to interested student .
4. Student who lives far from the organisation face difficult to connect with the organisation.

How website solves the problem?

Considering all the complications within the organization, lack of marketing and customer interactions were some serious issues. Therefore, the organization hired us seeking solution to their problems. So , we have developed the website in such a way that it overcomes all the problems.

- Student can easily find out the information about organization.
- New families can get admission for their children.

- A student who are far from organization can connect to get information.
- Organization can get feedback on their service and facilities that they provided.

However, our team faced multiple technical difficulties during the project. Compatibility in browsers was lacking which at first, which was solved after following the rules of makeup validation. Likewise, our team also faced internet related issued as the connection was too weak to check web page loading. Use of too many rich media and images increased the size of webpages which slowed down the speed while webpage loading. This was solved by minimizing the sizes of used files.

Major section of our website

Major section of our website are at the top of the homepage navigation bar. There are total of five major sections which are describe below:

1. Home page
2. Research
3. Admission
4. Gallery
5. About

Home page

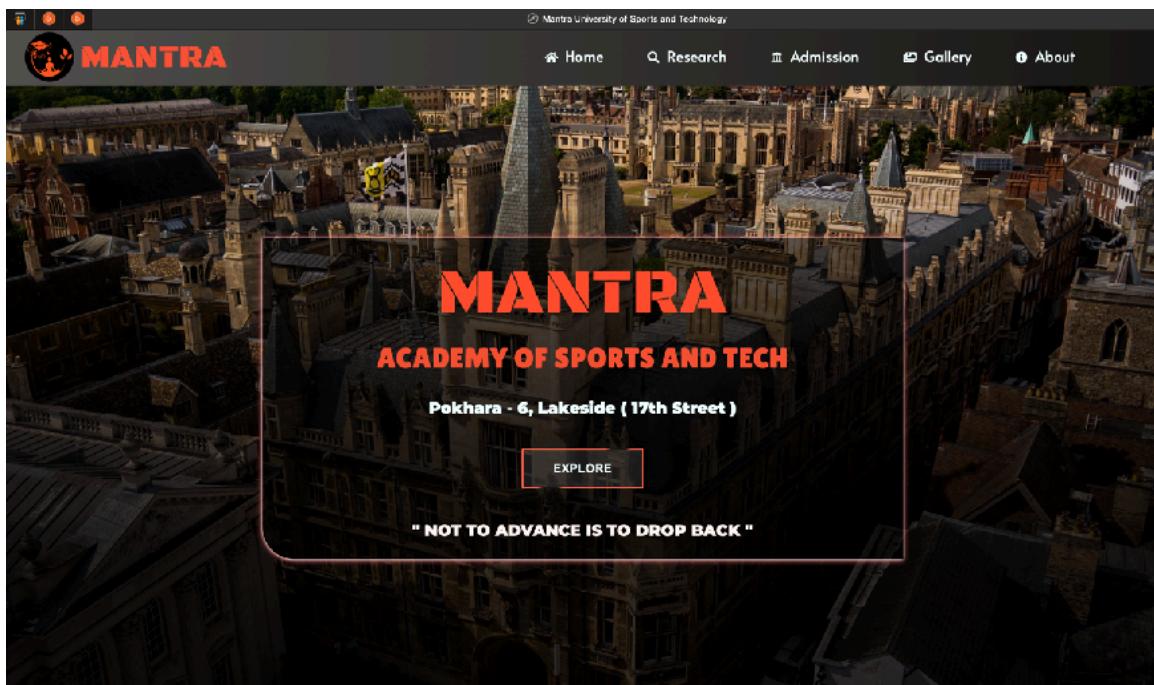
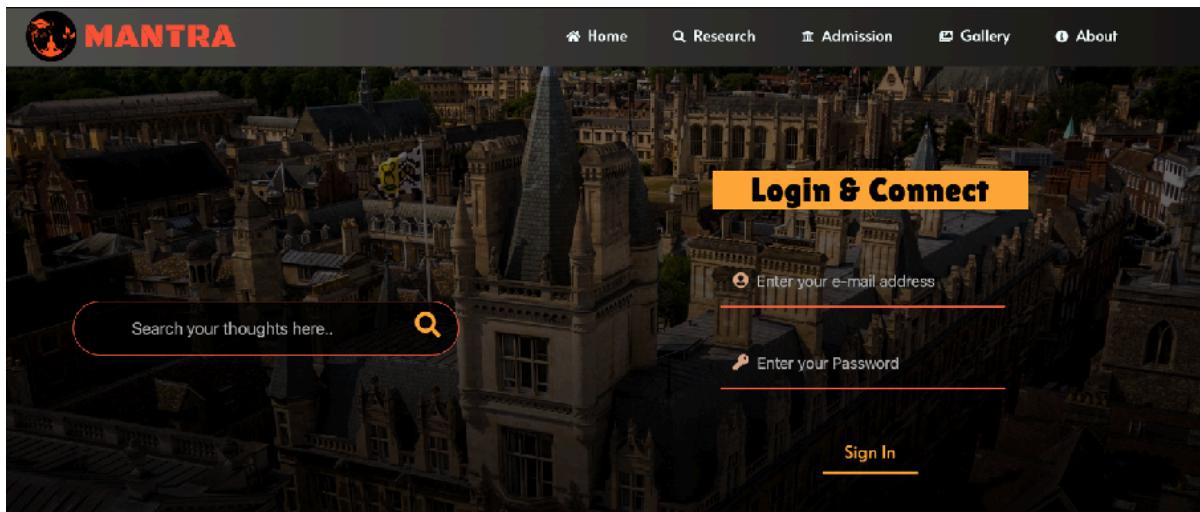


Fig: home page

It is the first page website. This page includes logo of the company at the top left corner of the page and the services that are provided by the organisation. Similarly, the address of the company is mentioned at the middle of the page . To built this page we have used HTML and CSS programming language.

Research page



In this page of our website we have included two function that is login and search bar. So, when user click on research options in navigation bar, they will entered into this page. Search bar allows users to search anything from the internet. Similarly, in login and connect section user must provide his/her email address to sign-in.

Admission page

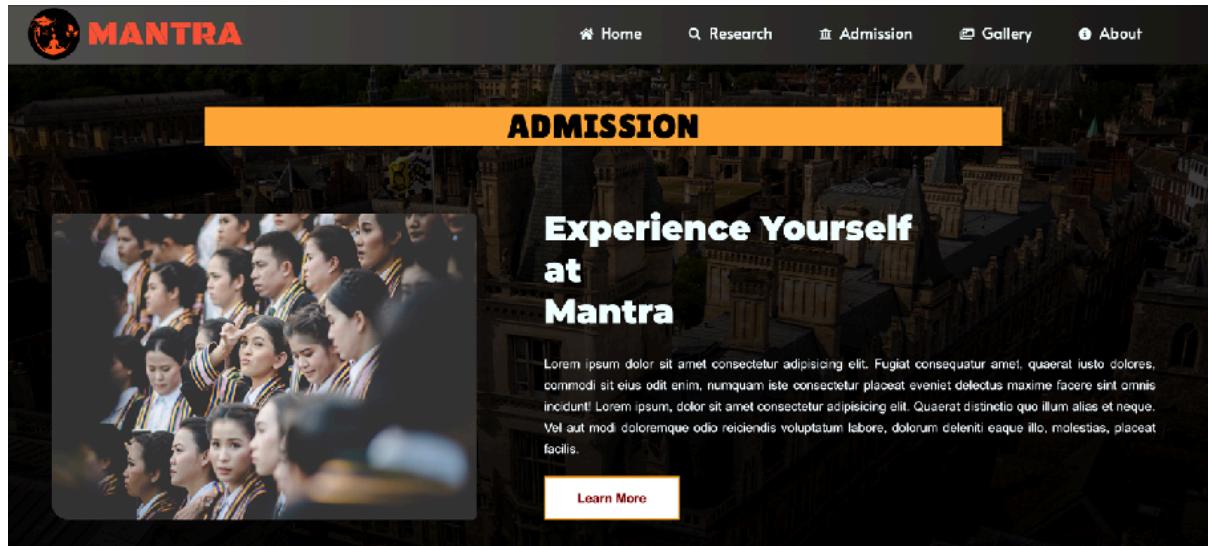


Fig: Admission page

This is the page that appears after clicking the admission option of navigation bar present on the home page of the website. A “learn more” option is present at the bottom of the page which allow uses to view every information related to admission, courses and their details. When a user click k”learn more” bottom following pages appears:

Available Courses	Minimum Requirements	Course Duration
Basic Football	1.5 MM IN HIGH SCHOOL	2.5 Years
Hockey & Ball	2.0 MM IN HIGH SCHOOL	3 Years
General Game	1.0 MM IN HIGH SCHOOL	2.5 Years
Swimming & Yoga	1.5 MM IN HIGH SCHOOL	3.5 Years

Available Courses	Minimum Requirements	Course Duration
Acrylic	No Specific Requirements	1 Year
Paint & Oil	No Specific Requirements	1.5 Years
Poster & Banner	No Specific Requirements	2.2 Months
Photography	No Specific Requirements	1.8 Years

Available Courses	Minimum Requirements	Course Duration
Programing	No Specific Requirements	2.5 Years
Auto-Mobile	No Specific Requirements	3.5 Years
Electrical Engineering	No Specific Requirements	2.1 Years
Software & Application	No Specific Requirements	4.2 Years

To get admission student can directly connect to the academy via telephone , mail or fax. Similarly, user can directly call the organisation by clicking “call us” option present at the bottom left corner of the page or fax by clicking “fax us” option present at the bottom left corner of “tech:available sources” page as shown in above screenshot similar mail by clicking “mail us” option of “sports: available course” section.

Gallery page

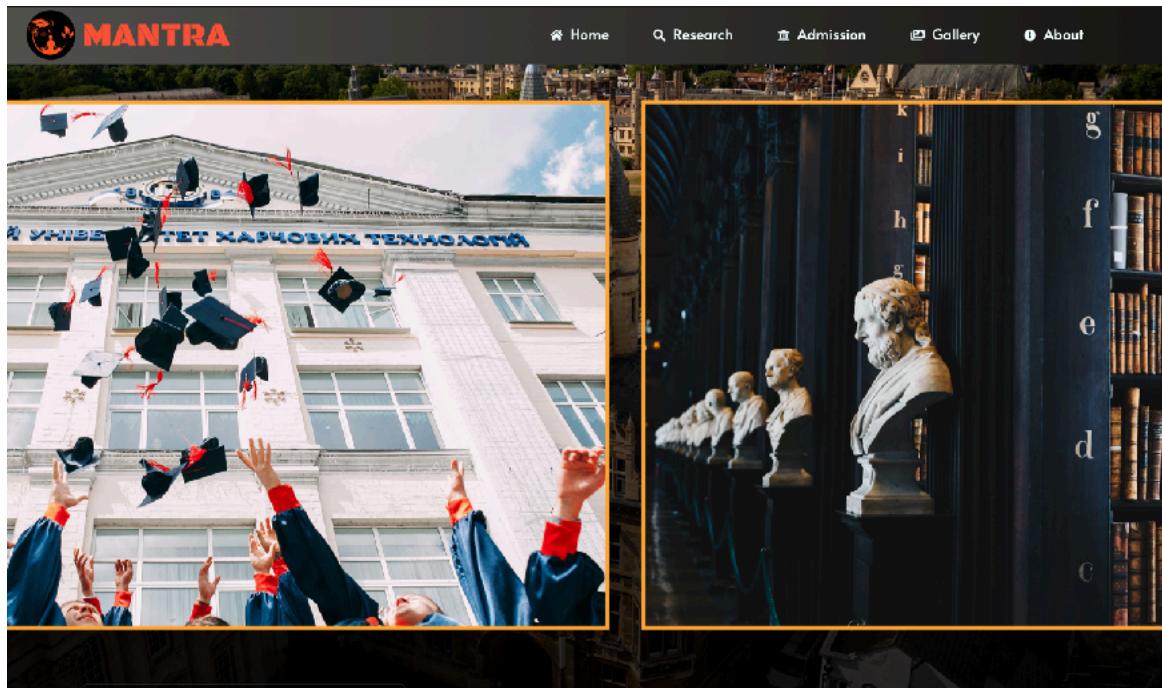


Fig: Gallery Page

The gallery page is a collection of pictures from the institution. The pictures are displayed horizontally in desktop version while they are signed vertically in tablet and mobile versions. Users can watch those pictures in bigger size clicking on them while they will get wider when hovered. Additional the page also consists of footer that includes that includes organisation's brief information as well as its social media connections.

About us page

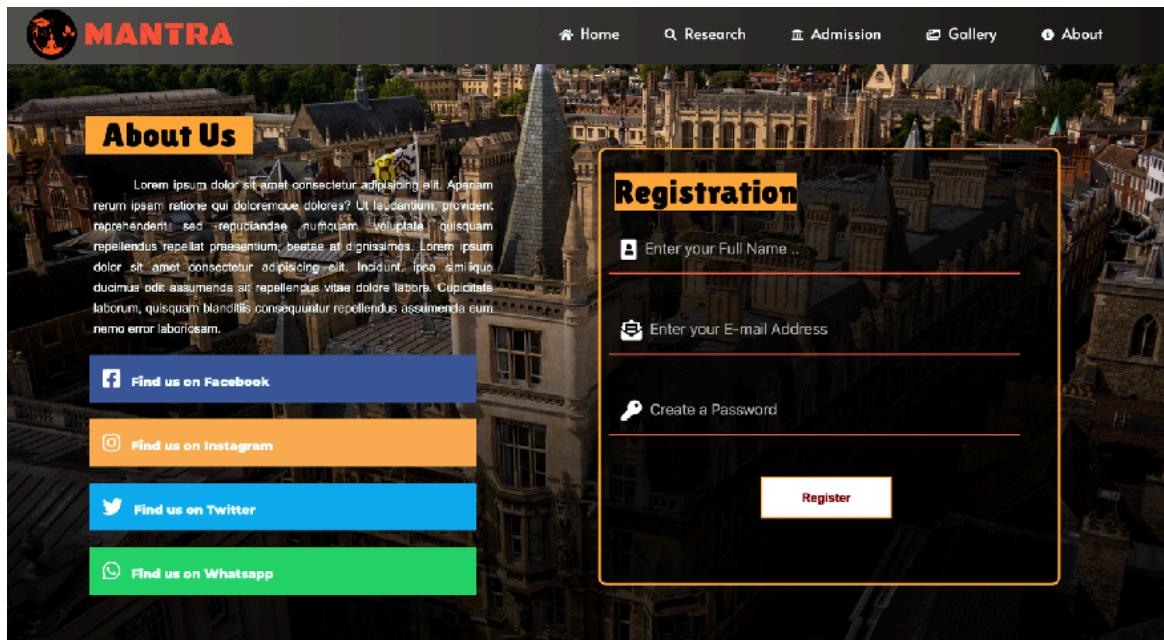


Fig: About us page

The about us page is a descriptive information of the organisation. It consists of organisation's history and their services throughout these years. Moreover, there are few social media bars that links users to organisation's social media pages.

Apart from these, it also consists of a registration form that allows users to create an account to get logged into the website.

Introduction to the languages that are used while developing website

1. HTML(Hypertext Markup Language)

This is one of the most commonly used language. This was first introduced in 1991 by Tim Berners-Lee (V.Arya, R.Yankee,2020). This was upgraded time to time. Last time it was upgraded in 2014 from XHTML to HTML5(V.Arya, R.Yankee,2020). Various tags and elements are used to display the content properly. The basis layout of the HTML coding using that format all the webpages are created. The layout is mention below:

```

<HTML>
  <Head>
    <title> title name</title>
  </Head>
  <body>
    <p> content</p>
  </body>
<HTML>

```

Besides this there are many other tags that are used while coding our program.

The major html tags that are used while developing this website are as follows:

Tags	Description
<link>	Used to link current document and external document
	Used to defines a list of items.
	Used to define unordered list
<div>	Division or section
<form>	used to create form in html
<input>	Used to enter data
<a>	To define hyper link
<h1> to <h6>	To give heading to the
<p>	To define paragraph
<table>	Create table
	Insert an image

We can save html document using .html . After saving it using .html the file is opened in the browser as webpage.

2. CSS(Cascading Stylesheet)

This language used to style the html content. For example ,using this technique, background of the page, font size, colour, text-style and many other styles of content inside html are done. For example there is a sentence in HTML code as below:

```
<p> hello world</p>
```

If above given sentence need to be change into white colour the code is written as below:

```
P { color: white; }
```

The tools that are used to write css code is also similar to that of html. It is also written in sublime text or any other text editor where html code is written. There are various ways to add css to the HTML page which are describe below:

1. Inline CSS
2. External CSS
3. Internal or Embedded CSS

1. Inline CSS

This is the type of css which can be written inside the HTML code. It is easy to write . It is written without using selector.as example of inline css is given below:

```
<h1 style="color: blue; font-size: 40px;">
```

This simply change the colour of text inside the h1 tag to blue and sized text to 40 px. It is similar to other type of css styles but only difference is it is written directly inside html tags. But in inline styles if you want to change the colour of all the text inside h1 tag to blue then you need to stye each and every h1 text which is one of the disadvantage of inline styles. This types of styling of html is not used often.

2. External css

This is a type of css which need separate CSS file. In order to style the text in html code we need to introduce class or id inside the html tags so that using this class and id we can style the text. This

style is done externally as we need to open separate file to follow this type of style. We can save file using .css file extension but we need to link this css to the html simply using link tag as bellow:

```
<head>
    <link rel="stylesheet" href="style.css"/>
</head>
```

Here, link tag is used to link the external style sheet with the html where as href is used to identify the location of external style sheet file on your computer. This type of styles used if you want to style the html text in multiple page with single code so this type of style is used mostly.

3. Internal or Embedded CSS

This type of styling is performed in the head section of the html code. So, this type of styling does not need any kinds of link or file extension to save the css code as it is written inside the html code as below:

```
:
<head>
<style >
h1 { color: white;}
P {font-size: 40px;}
</style>
</head>
:
```

3. Javascript

Recently, javascript is most popular programming language as it is easy to understand . This language was first introduce in 1995 by Brendan Eich. As there is another programming language called java , although name of this two programming language looks similar but they are vast different to each other. Java script also be simply written in any text editor used to develop webpages. We can learn java script through W3C school which is one of the most popular sites to learn programming language. Similar to that of html and css there are various tags in java script

which we need to know about. Simply javascript is written inside closing and opening script tag I.e.,<script> content</script>. As html is used to give structure and css is used to give style to webpage, java scrip is used to make webpage interactive. Javascript is used to create application for mobile , develop games, add interactive behaviour to web pages, build server and develop server application(R. Hack, 2018).

Targeted audience

The targeted audience of the development of this website are given below:

- Students
- Staff
- Parents

Story board

Inter face design of major sections

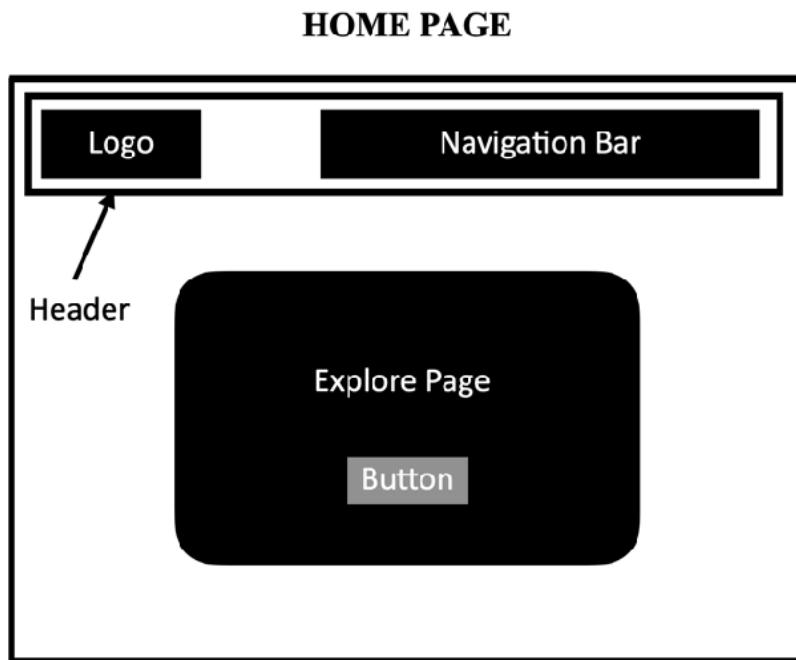


Fig: interface design of home page

Home page is consist of two sections that is header and address section. Logo and menu bar are present at the header section while footer section is absent.

Research Page

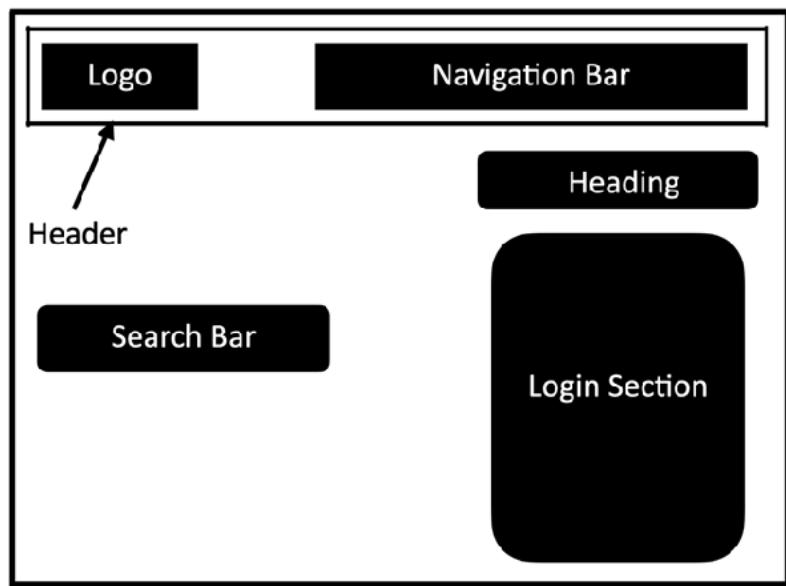


Fig: interface design of Research page

Above interface design is of research page which is divided into three section . Top of the page is consist of header with menu and logo. Similarly, login section is present at the right side while search Botton is present at the centre left side of the page. This page also does not contain footer section.

Admission Course Page

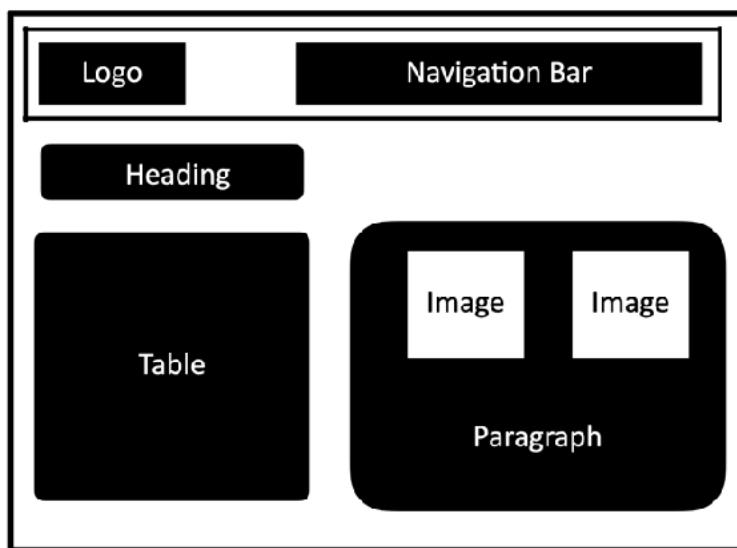


Fig: interface design of admission page

Interface design of admission page consists of logo and menu bar at the header section . Similarly, two sub container are present at the middle of the page.

Explore Page

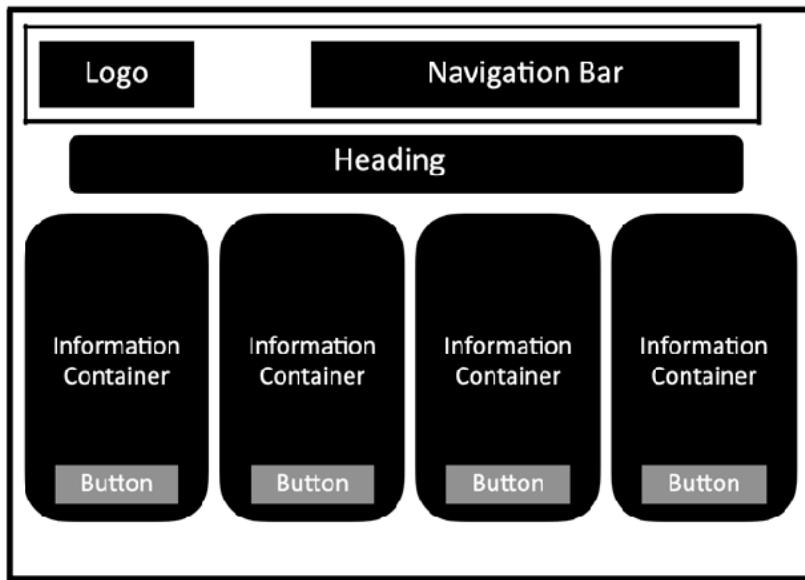
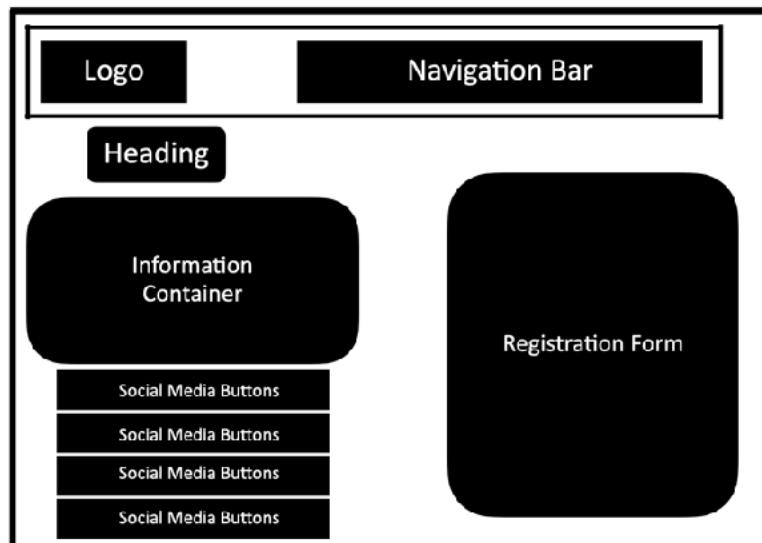


Fig: interface design of explorer page

Above shown interface design is of explorer page. There are total four section present at the middle of the page. Similar, logo and menu section are present at the header. Heading is present above four sections. Similarly, Button is present into each of the section . After clicking those buttons page is terminated into another page.

About Us Page



About us page interface consist of header and body section . Logo and menu are present at the header section while body part is divided into various sections as shown in the figure.

Gallery page:

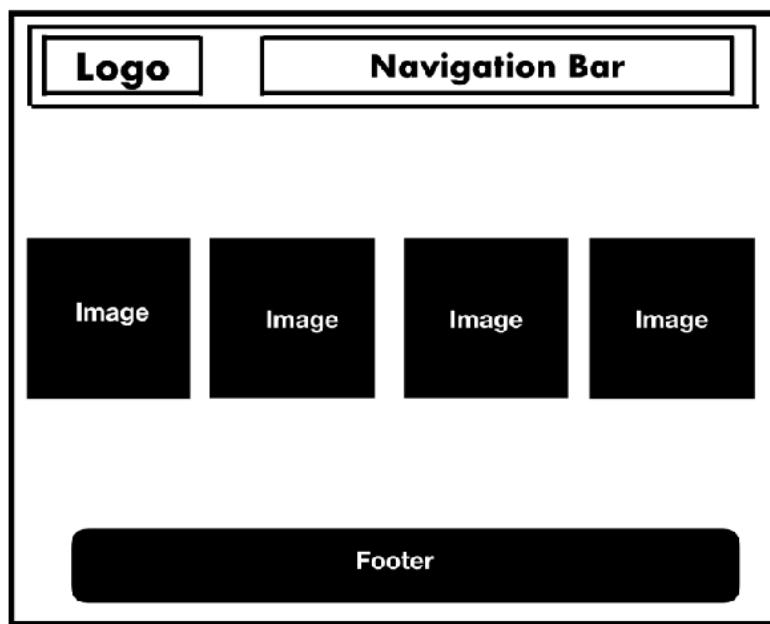


Fig: interface design of Gallery page

Above figure is interface design of gallery which is consist of navigation bar.logo is present at the top left corner of the header section while navigation bar button are present on top right corner of the page in header section. Footer is also present in above in gallery . Similar, centre part has four sections where images are stores.

Navigation Bar (Mobile & Tablet View)

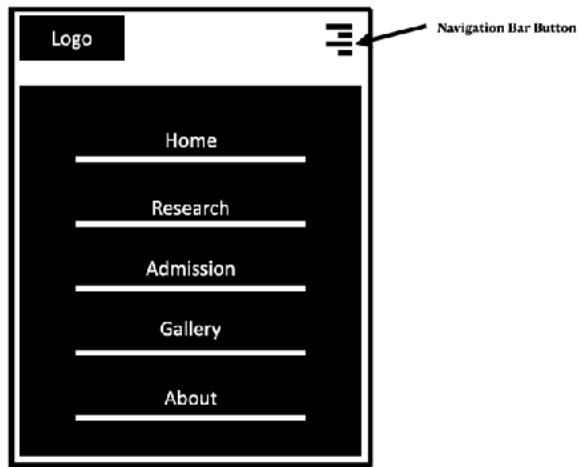


Fig : interface design of Navigation Bar(Mobile and tablet view)

This is the interface design of navigation bar that appears in mobile . In this interface design logo is present at the top left corner of the header section .

Website architecture(navigation bar)

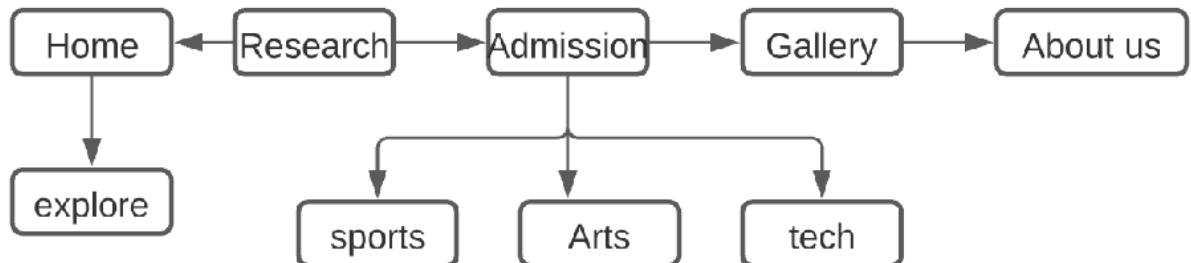


Fig: web architecture (navigation bar)

Evaluation

Benefits of the web site

As this is the word of digitalisation most of the people around the world are stuck to the internet . All the people prefer to gather information though internet rather than visiting physically. So, the business organisations must took an advantage of it. They can do marketing of their institution through internet by developing their own website where they can include detail information about their information.

- give the world the chance to know us closer .
- helps to enhance the business.
- More people would know about your organisation as a result helps to expand your business.
- This website helps people to save their time as well as money needed to visit the organisation ,as they needn't to visit the organisation office to gather information.
- Better information exchange between the organisation and target audience.

Limitations and Future enhancement

Since, there are some features that are not included in the website they can be enhanced in future. Similar, the client organisation may want to add some more feature oh the website. Some of the future enhancement that we can do with our website are as follows:

1. After registration, data are not stored in the database in present website so we are aiming to enhance that feature in near future.
2. We log into the website with gmail, Facebook or any other account so, this problem can also be enhance in future by making it responsive.
3. We are planing to add message feature in box through which people can do direct enquiry about their children.

Conclusion

The analyst had experienced research and thought about different labels while creating the pages of website. It has basic appearance. First, we had extreme confusion that how to begin the

project but we found our mentor Mr.Anil Thapa who helped us while doing task with all his dedication. It took around 25 days to finish our project. In this project, we used HTML, CSS and java scripts tags. Overall, this project helped us on understanding the idea of HTML, CSS and javascript while creating websites.

Workload matrix

Topics	Nabin Chhetri (NPI00032)	Sandesh Subedi 'A' (NPI000040)	Sandesh Giri (NPI000041)	Suraj Pandey (NPI000051)
Coding	25%	25%	25%	25%
Introduction	25%	25%	25%	25%
Storyboard and Modeling	25%	25%	25%	25%
Evaluation	25%	25%	25%	25%
Future Enhancement	25%	25%	25%	25%
Conclusion	25%	25%	25%	25%
Documentation	25%	25%	25%	25%
Signature				

Minutes of meeting

First meeting

Project name	Web Designing		
Facilitator	Sandesh Subedi 'A'		
Meeting Date	16 December 2020		
Place/Room	Hotel Mountain Heritage		
Meeting Time	11:30 am to 4:30 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Overall discussion of assignment	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Overall discussion of assignment	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Overall discussion of assignment	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Overall discussion of assignment	surazpandey101@gmail.com	

Second meeting

Project name	Web Designing		
Facilitator	Nabin Chhetri		
Meeting Date	24nd December 2020		
Place/Room	Hotel Mountain Heritage		
Meeting Time	12:00 am to 5:30 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Functionalities	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Functionalities	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Functionalities	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Functionalities	surazpandey101@gmail.com	

Third meeting

Project name	Web Designing		
Facilitator	Snadesh Giri		
Meeting Date	3rd January 2021		
Place/Room	Hotel Mountain Heritage		
Meeting Time	11:45 am to 5:30 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Story board	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Story board	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Story board	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Story board	surazpandey101@gmail.com	

Forth meeting

Project name	Web Designing		
Facilitator	Suraj Pandey		
Meeting Date	10th January 2021		
Place/Room	Hotel Mountain Heritage		
Meeting Time	11:30 am to 7:00 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Coding	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Coding	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Coding	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Coding	surazpandey101@gmail.com	

Fifth meeting

Project name	Web Designing		
Facilitator	Sandesh Subedi 'A'		
Meeting Date	17th January 2021		
Place/Room	Hotel Mountain Heritage		
Meeting Time	11:00 am to 3:30 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Discussion on future enhancement	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Discussion on future enhancement	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Discussion on future enhancement	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Discussion on future enhancement	surazpandey101@gmail.com	

Sixth meeting

Project name	Web Designing		
Facilitator	Sandesh Giri		
Meeting Date	17th February 2021		
Place/Room	Hotel Mountain Heritage		
Meeting Time	11:00 am to 6:30 pm		
Attender	Agenda	Email	Signature
Nabin Chhetri (NPI000032)	Documentation	nabinchhetrio66@gmail.com	
Sandesh Subedi (NPI000040)	Documentation	sandeshyes77@gmail.com	
Sandesh Giri (NPI000041)	Documentation	girisandy122@gmail.com	
Suraj Pandey (NPI000051)	Documentation	surazpandey101@gmail.com	

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