PROJECT TOPIC: FLORA & FAUNA LAND

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TITLE:-

Our project is basically a blog based platform or we can say a one stop information portal and its title is "FLORA & FAUNA LAND". As the name suggests, a land of flora (meaning the plants of a particular region, habitat) and fauna (meaning the animals of a particular region, habitat).

PROBLEM STATEMENT:-

Design a platform that gives the information of every animal, plant, and sanctuaries/forests to spread awareness and building a mindset of not harming flora and fauna instead of growing and protecting it. The beauty of wildlife is amazing we just need to explore it to the core. There are many species of flora and fauna which many of us are not aware of. Exploring them will help us to understand these creatures well and do some welfare related work for them.

INTRODUCTION:-

Plants and animals play a very important role in our lives, which we often overlook and don't value. We keep on slaughtering the greenery in our environment and also harm animals in many ways, either directly or indirectly. Sadly, our planet's stunning array of species is under serious threat, from habitat loss, pollution, hunting, and myriad other human-made pressures. Biodiversity is getting lost at 1,000 times the natural rate. It's very important to control this situation; otherwise, the reduction of flora and fauna will ultimately lead to the reduction of human lives.

Our project would be a source to spread awareness about plants and animals so that people understand their importance and also know their contribution to beautifying the world. We will let the viewers know the behaviour and lifestyle of each animal. This will make people friendly with animals and will get to know that they are so beautiful. Many people love gardening and getting surrounded by colourful plants and vegetation. Our website will also let the viewers know the characteristics of different plants and the environmental conditions needed for their growth.

To make our viewers realize the fact that plants and animals are not only a necessity but also spread beauty and reduce many global problems, we will showcase the sanctuaries and forests worldwide as examples. The website would provide details regarding the timings for the visit, entry fee, adventurous activities (if any), and many more.

For promoting the welfare of plants and animals among people, motivation is necessary. And for motivation, we need to set an example through which people can learn and get a direction to contribute. The thought of protecting flora and fauna has already inspired many people across worldwide who are already doing something or the other, for the benefit of it. Either they have started their association for providing safety to plants and animals, or have joined any association or group for the same thought, or helping animals and growing plants on a personal level, which is also a huge step towards conserving nature. We would share all these measures taken by many people worldwide and tell that "IF THEY CAN DO, U CAN DO TOO."

OBJECTIVES:-

It's a tendency of human beings to love the things they own, but they don't show the same attitude to those things they disown. The same happens with animals and plants. We love our garden and pets but also harm those species in some other place. So our main objective of this project is:-

- To build a sense of conservation of flora and fauna by understanding their value in nature, the qualities they have and become friendly by knowing their lifestyle through our articles.

- Many people have a great interest in learning about various animals and plants and observing their behaviour. Thus our website would provide a platform for them.

- Our website would be like an encyclopaedia for the students who are outdoor enthusiasts and wish to build their career, or are already involved in nature jobs, for example, botanists, zoologists, etc.

- The public opinion section would provide an opportunity for our viewers to share their opinions or their blog regarding any particular animal or plant to publish on our website. This would give the user experience of writing and will also make him an expert on animals and plants through continuous writing their blogs and reading ours.

- Users can discover new creatures

- To add more curiosity to explore the wildlife

- The associations and people involved in the welfare of nature and their beings will set an example to the users and will remind them of their responsibility to save the FLORA AND FAUNA.

- And lastly it will connect us more closely with the nature and understand its magnifying beauty

MOTIVATION:-

There is so much that plants and animals give us selflessly which satisfies our needs and then too we don't value it. Our vision is of a sustainable future for our planet. Our mission is to conserve threatened species and ecosystems worldwide, choosing

solutions that are sustainable, based on sound science, and which take into account human needs.

Wildlife not only enhances the beauty of a country but also helps in maintaining the ecological balance of nature. Spending some quality time close to nature will rejuvenate us to the core. Whereas, plants provide the basic needs of humans. As we all study in our junior classes that there is no life without oxygen, which is produced by plants. We depend on nature for so many things: materials, medicines, clean air and water, a stable climate and the list go on. Many studies have shown the benefits of nature for people's mental and physical health, and many people connect with nature on a spiritual level.

The ecosystems that provide us with this priceless service depend on an incredibly diverse range of species that interconnect to form a complex web. When a species is lost, we risk upsetting this fine balance so that the whole system, once rich in variety, becomes much more vulnerable to natural disasters, human disturbance, and climate change. In the worst-case scenario, the whole ecosystem can collapse – a tragedy in itself, and a threat to all those who depend on it.

It's time to understand that harming nature and wildlife will ultimately harm us and the day is not far when our story would be the same as of dinosaurs i.e. not found now. It's not the time just to feel pity for animal abuse, and post hash-tags like save the wild, save the nature e.t.c. It's the time to take action and for that, we have to first connect to nature and wild and understand their behaviour.

By exploring and understanding its beauty it will make us preserve our nature more and take an active part in welfare movements. Our only motive to make people start living for nature as nature does to us not only just for sympathy but also for knowing their fascinating characteristics.

WORKING METHODOLOGY:-

As our main focus is on front end i.e. creating our webpage very attractive. For that, our strategy is to first learn some techniques so as to make our website engaging. Then design a layout and templates for every page. The layout will give us a understanding about which techniques to use in the code so as to get the desired result. By the time we have to also collect and write the content which would be show on our webpage.

TECHNOLOGIES USED:-

• **HTML:**   HTML stands for Hyper Text Markup Language. It is the standard markup language for creating Web pages. It describes the structure of a Web page and consists of a series of elements. These elements tell the browser how to display the content. It is used for giving eye-catching look to the website and also providing easy to use GUI. HTML is being widely used to format web pages with the help of different tags available in HTML language. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript to give the page a more attractive look.

- **CSS:** CSS stands for Cascading Style Sheets. It describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External style sheets are stored in CSS files. CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs and variations in display for different devices and screen sizes as well as a variety of other effects.

- **JavaScript:** JavaScript is a client scripting language which is used for creating web pages. It is a standalone language developed in Netscape. It is used when a webpage is to be made dynamic and add special effects on pages like rollover, roll out and many types of graphics. JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it for client-side page behaviour, and all major web browsers have a dedicated JavaScript engine to execute it. JavaScript helps you create really beautiful and crazy fast websites. You can develop your website with a console like look and feel and give your users the best Graphical User Experience.

- **Bootstrap:** Bootstrap is a free and open-source CSS for developing responsive, mobile-first websites. Bootstrap is the most popular HTML, CSS and Javascript framework. It contains CSS- and JavaScript-based design templates for typography forms, buttons, navigation, and other interface components.

TEAM CONTRIBUTION:-

Team work is very important to complete a task. We have divided the functionalities to be built for our project. Our main topics to be shown are flora, fauna and sanctuaries/forests. One would completely design the layout and put content for flora and the other one would focus on fauna. For sanctuaries/forests we will divide the work as per interests.

MODULES:-

Our site will contain mainly two sections: flora, fauna, sanctuaries. The users can leave their comments by signing up. Also we will provide a e-newsletter section for future notifications to our interested users. Details regarding welfare organizations and movements that had took place. It will also feature the updated count of flora and fauna species worldwide on regular basis. Contact us and about us page and photo gallery videos facts.

The admin will have the accessibility to edit the content and styling whereas the user can view our website and if he has registered then he can also post comments and their works on our website. He can also post their blogs if any related to nature in public's blog section.

ONLINE GIT REPOSITORY:-

Our every progress would be uploaded on github and would keep a note of each step. Our repository name is FloraAndFaunaLand same as that of our title. And our github id is muskangarg16 and ritikadas18.

HARDWARE SPECIFICATIONS:-

- **Processor** : Intel i5
- **Operating System** : Windows 10
- **RAM** : 8GB
- **Hard disk** : 256 GB
- **Hardware devices** : Computer System

SOFTWARE SPECIFICATIONS:-

- **Coding Platform:** Virtual Studio Code
- ALL CODING TO BE DONE IN HTML, CSS, JAVASCRIPT, AND BOOTSTRAP.

CONCLUSION:-

Our project will focus on plant and animal life. It will give detailed insight of the animal's behavior: their body language, their feeding behaviors and how they move across the land and for flora sections it will provide the required climatic conditions, their array of colors, textures, shapes, fragrances and it's medicinal or beauty uses and related videos and some fun facts. We will also provide a welfare section for those who wish to help these creatures. It will also feature the extinct and endangered species of wildlife and the associated movements that took place. Also, for further exploration of these creatures we will also provide some of the most vibrant wildlife sanctuaries across the world.

Overall our project will be like a small encyclopaedia of plants and animals. Surely it will take you to an entirely different world of plants and animals and make you fall in love with them.

REFERENCES:-

Various platforms have inspired and helped us to build this project. The links which motivated us a lot are:-

https://www.nationalgeographic.com/animals/

http://animaladay.blogspot.com/?m=1

https://www.worldwildlife.org/

https://explore.panda.org/wildlife

https://en.m.wikipedia.org/wiki/Wildlife

We do needed some content so as to connect to nature because after that only we could motivate others and reach the completion of our mission. For this we referred some books like:-

- IN THE SHADOW OF A MAN by Jane Goodal

- Wildlife of the World by Don E. Wilson

- National Geographic the Photo Ark by Joel Sartore

Signature of the supervisor: _____