

GROUP MEMBERS	Shreya Shetty (2019140059) Manan Savla (2019140055) Akshay Tarde (2018130055)
BATCH	B
COURSE CODE	OECS5
EXPERIMENT NO.	4
NAME OF THE EXPERIMENT	AI DL Virtual LAB

Aim:

To pick a website/app that you use on a daily basis (eg. facebook, gmail, whatsapp, zomato, etc). Evaluate the product based on user experience principles and give suggestions for improvement. Explain usability testing process for the same.

Theory:

1. Analysis of behavior of people in that domain eg their preferences, interests etc.

Target Users- Students studying artificial intelligence and deep learning, faculties, people wanting to learn and visualize AI DL experiments (Full time employees and similar people)

2. Existing apps - analyse (Good elements/UI and Bad elements/UI) and rate them

Existing Website: <https://vlab.spit.ac.in/ai/#/home>

Home page

- Nav bar should be visible on the screen at all times.
- The text on the home page should be vertically upwards.
- Some of the animations on the home page do not work.
- The animation div is large.
- Three sections in the home page do not have an appropriate mouse pointer over them. This leads to the user thinking that it's not a link.

Experiments page

- Every experiment has three image links which are not named. We have no idea what they do until we click on them.
- Some experiments have walls of text which cover the whole screen horizontally. The text should instead be centered with margin on the sides.
- Some experiments have text left aligned leaving large empty spaces.

- Font and font size is different on different pages

IIT-B vlab UX analysis

- Nav bar is fixed in its position unlike spit vlab.
 - Main content comes first on the page. The about section is at the end of the page unlike spit vlab where it is the only content on the home page.
 - List of different disciplines is given unlike spit vlab.
 - Experiments have different sections instead of just one big block of text having every section as in spit vlab.
 - Procedure to do the experiments is mentioned clearly, whereas no procedure or instructions are clear in spit vlab.
3. What will be your choice of screen elements? Write down your own Design Goals which you want to furnish while recreating the same app/website.

The home page should have photos of the college labs if possible. The text in the experiments section should be more readable and not overwhelm the user. Most of the inter page links do not show up as link pointers on the cursor. We will have to change that.

4. What do you want to improve in the existing website?

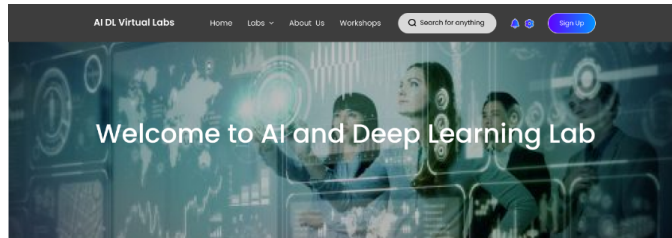
We will have separate logins for teachers and students to show different features and enable special things to do with the respective logins. Also, we will enable one-to-one interaction to help students solve their doubts directly on the website with teachers. Other functional and design improvements include - fixing the navbar, making the text size reasonable and attractive and improving the overall user experience and colours.

Procedure:

1. Research about the problem statement i.e. AI DL Virtual Lab
2. Open a new file and create a desktop frame
3. Decide the color scheme and font for the design
4. Decide the number of pages to be designed
5. Design the navigation bar and the footer and once done, convert them into a component
6. Make a basic wireframe for all the web pages and add the components navbar and footer on all pages
7. Designing individual components for every web page and add images wherever required related to the problem statement and check the alignment of components
8. Add interactions on button and flowing connections on all the pages wherever required

9. After prototyping, preview the design and fix if any uniformity errors or alignment issues

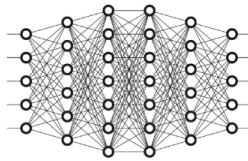
Implementation:



Choose your domain



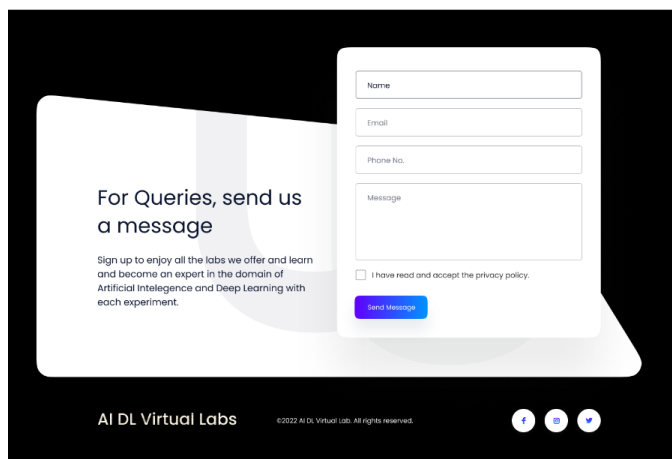
Artificial Intelligence



Deep Learning

About Us

We at Sardar Patel Institute of Technology have started Virtual Lab which focuses on providing students with laboratory course work material. AI-Deep Learning Virtual Labs: AI Made Easy will provide to the students the result of an experiment by one of the following methods (or possibly a combination). Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment. Providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system. Remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.



Your Classes



BE IT AIML



SE IT
Soft Computing



BE IT
CNN

Add a Course

Title

Description

3 Oct, 2022

23 Oct, 2022

For Queries, send us a message

Sign up to enjoy all the labs we offer and learn and become an expert in the domain of Artificial Intelligence and Deep Learning with each experiment.

Name

Email

Phone No.




Message

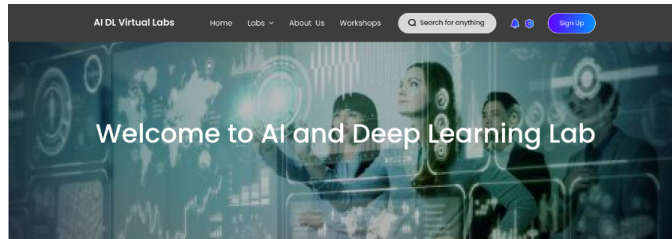
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Send Message

AI DL Virtual Labs

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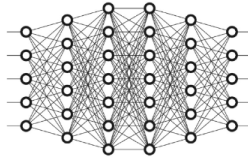




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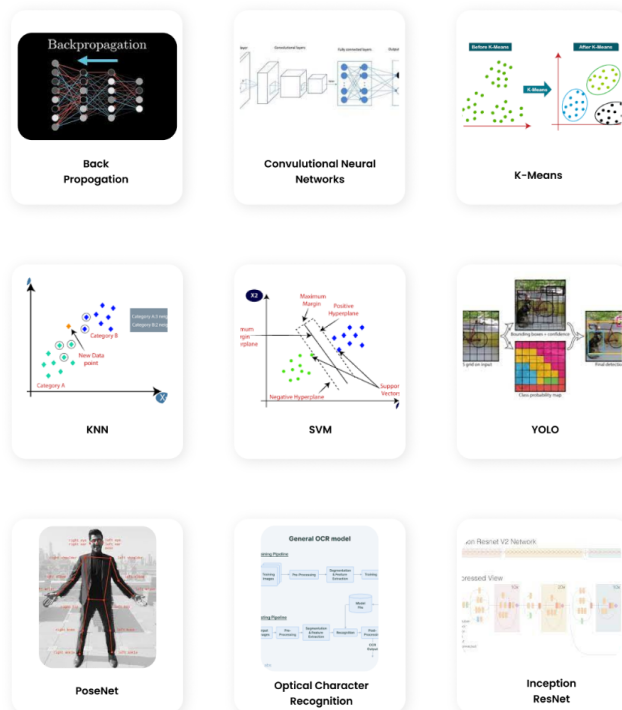
Phone No.

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Experiments



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Login

OR




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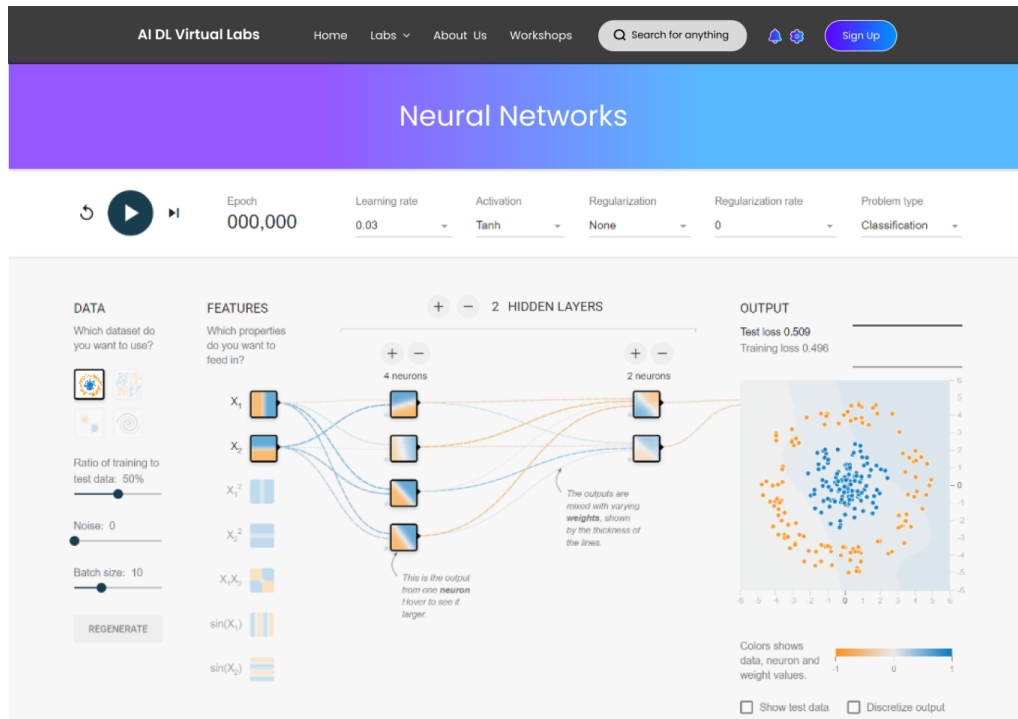
Sign up to enjoy all the labs we offer and learn and become an expert in the domain of Artificial Intelligence and Deep Learning with each experiment.

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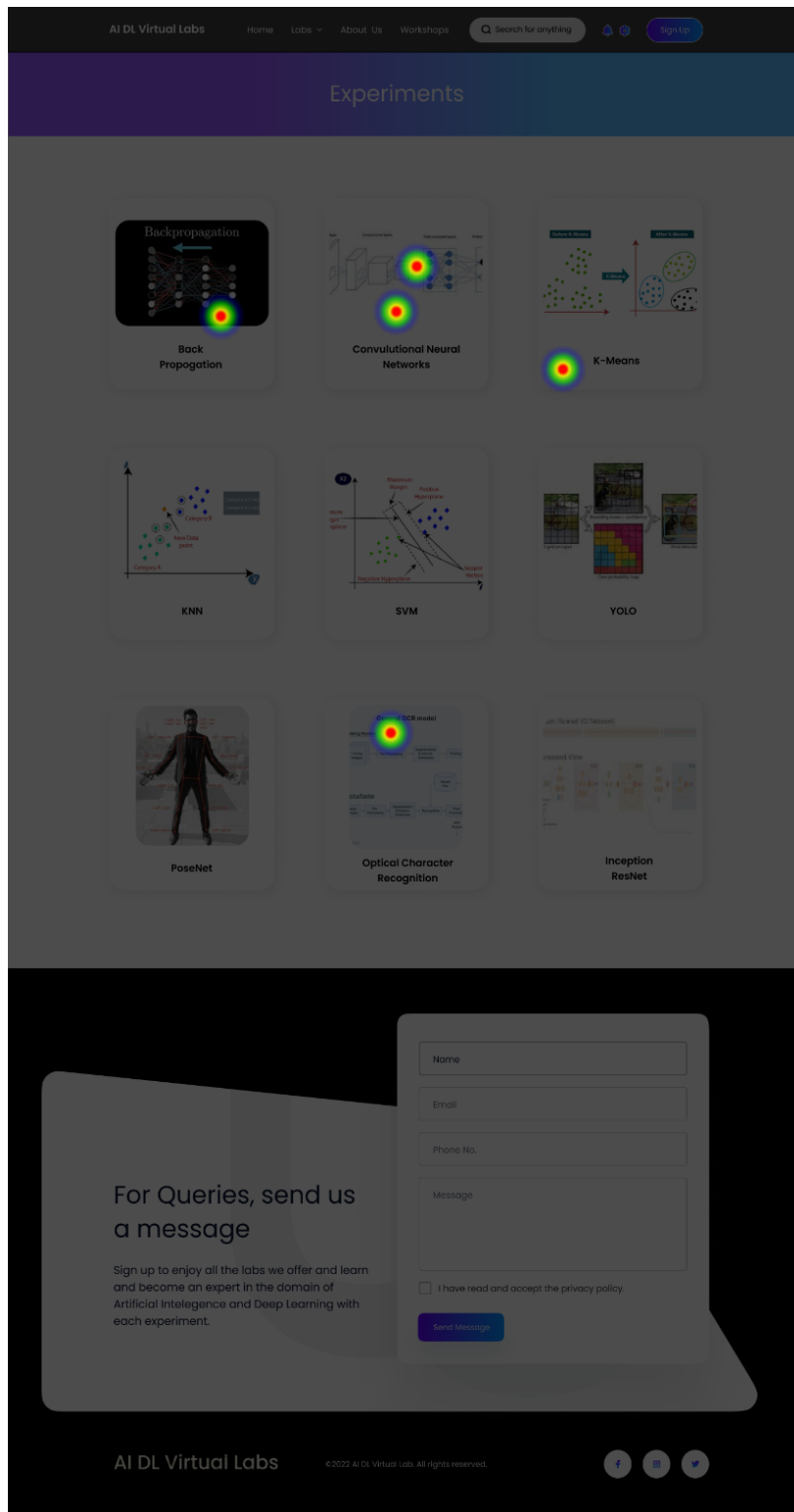
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Send Message

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Observations:

First Click Test



1a. Multiple Choice question

Why did you select this course?

Totals

Answers 5

Project Work

60%

3



Interest

40%

2



College portion

40%

2



Other

20%

1



5 second test

1a. Single Choice question

How many domains do we offer courses on?

Totals

Answers 5

2

100%

5



1

0%

0



3

0%

0



4

0%

0



Conclusion:

We successfully designed a website for AI DL Virtual Lab and implemented multiple tests using usabilityhub on it.