

EDUCATIONAL WEBSITE (LearnEd)

Front End Development (Board Infinity)

A Project Report

Submitted in partial fulfilment of the requirements for the award of degree of

Bachelors in Computer Science & Technology

Submitted to

LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB



L OVELY
P ROFESSIONAL
U NIVERSITY

Transforming Education Transforming India

(June – July , 2021)

Submitted By –

Name : Yash Goel

Registration Number : 11904382

Student's Signature :

STUDENT DECLARATION

To whom so ever it may concern

I, Yash Goel , 11904382 , hereby declare that the work done by me on the topic “ Educational Website “ from June, 2021 to July, 2021 is a record of original work for the partial fulfilment of the requirements for the award of the degree , Bachelor in Computer Science & Engineering.

Yash Goel

(11904382)

Dated : 5 August , 2021

Certificate from Board Infinity

Course : Front End Development

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS AWARDED TO

Yash Goel

for successfully completing
Front End Development Course

13th Jul, 2021

ISSUED DATE



CEO, Board Infinity
Sumesh Nair

BIDT2345987560

CERTIFICATE NO.

BOARD

ACKNOWLEDGEMENT

Primarily , I would thank God for being able to complete this project with successs. But it won't be a successful without the kind support from Board Infinity , where I have pursued this course in summer vacation. I was able to take this course at very less cost , just because of our university program . So, a very special thanks to my university , LPU.

I would like to express my gratitude to all the humble and well experienced teachers of Board Infinity, and a special thanks to my course teacher Nand Kishore Sir . Because of their brilliant teaching I was able to complete the Project (on the topic Educational Website) in a very healthy manner.

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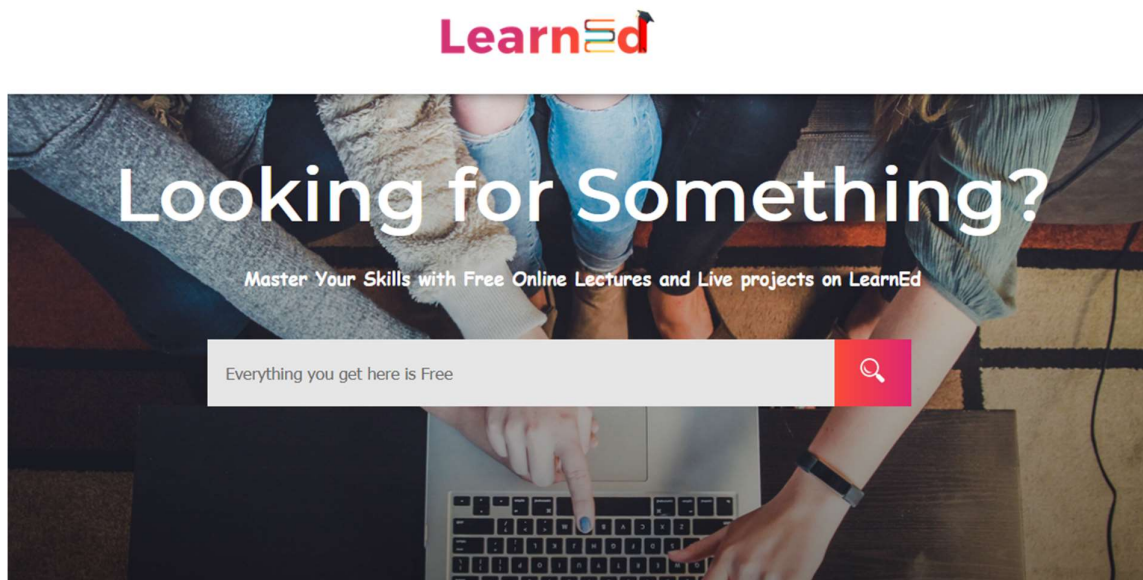
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Chapter 1

INTRODUCTION

LearnEd

“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.” “Your attitude, not your aptitude, will determine your altitude.” “If you think education is expensive, try ignorance.” “The only person who is educated is the one who has learned how to learn ...and change.”



Objective :

In Today's time , any person can learn any course or skill online for free . There is no hindrance in his path . A person can see videos on Youtube for learning things. Making use of Youtube for learning things , is a great option . But there is also problem in that. A lot of content is available on youtube , and that too in an unorganized manner.

For a same course or skill , there are hundred's of videos , and that too of many teachers. For a student , it becomes too hectic , to choose the best teacher and the best lecture. Sometimes it also becomes difficult to find all the lectures in an organized manner for a particular topic or subject.

Here , LearnEd plays the role . My main objective behind this website , is to put all the good lectures on youtube in an organized manner , for every subject , course and exam . So that , any person can find his relevant topic easily and that too by the best tea.

- **HTML** : The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

- **CSS** : Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

- **JavaScript** : JavaScript , often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. Over 97% of websites use it client-side for web page behavior, often incorporating third-party libraries. Most web browsers have a dedicated JavaScript engine to execute the code on the user's device.

As a multi-paradigm language, JavaScript supports event-driven, functional, and

imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

Module Wise Description

- **Home-Page (Landing Page) :**

This is the main page of the site . This page contains all the features and services of the site. At first it has a search box , which will be used by the user to search for the topic , user is interested in . It contains a navigation bar consisting of different nav-bars like about , portfolio , services , about us and login . This home page contains different modules , which can be used by the user .

- **Login / Register Page :**

This is the page that will be opened when the user clicks on the login nav-bar in navigation bar list. A new user can register here by his email , or can direct login . A person can also direct login by clicking on sign in with Google . After signing in , user will be redirected to the home page.

- **About Us Module :**

This module gives some information about the site and also tells the moto of the site.

- **Portfolio Module :**

In this module , the first division tells about the moto of the site . Second division gives information about four things . It tells about how many students have enrolled on our site , how many are placed . Also tells that how many courses are available on our site and how many total projects are there .

- **Services Module :**

In this module a user can see all the services provided by the site . It includes Computer courses , Building concepts for competitive exams , online video lectures ,Sample papers of various competitive exams , performance and ranking report , discussion with the tutors and mentors , brain teasing questions to improve IQ and 24x7 Online Support.

- **Contact Us Module :**

This module is built for user-convenience and to help them with every aspect of the website. User can fetch information and assistance related to the website through this help-desk.

- **Feedback Module :**

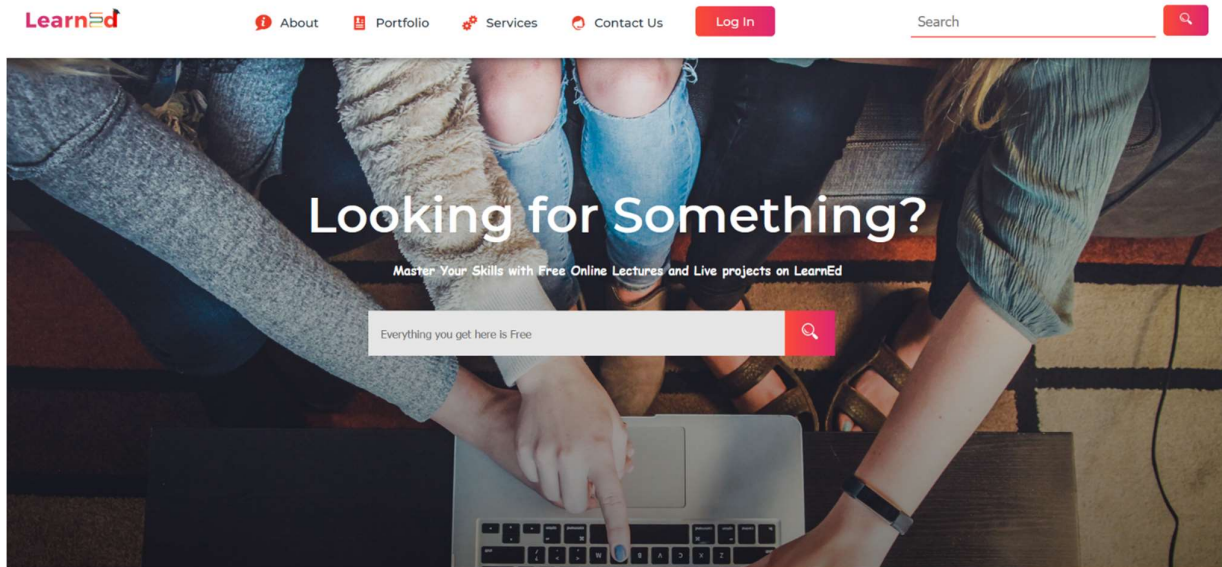
This module would take the feedback from the users regarding the overall management and effective functioning of the website after taking mandatory inputs from the user-end.



Chapter 5

IMPLEMENTATION

The first page of any website is the Landing Page. As the user opens the website, the Home Page creates the first impression.



This module of website consists of a logo on the left hand side , on every page of the site . When a user clicks on this logo , he gets redirected to this home page .

This module also contains following navigation bars : ABOUT , PORTFOLIO , SERVICES , CONTACT US , LOGIN PAGE and SEARCH BAR .



This is the logo of the site.

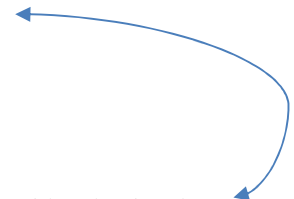


Log In



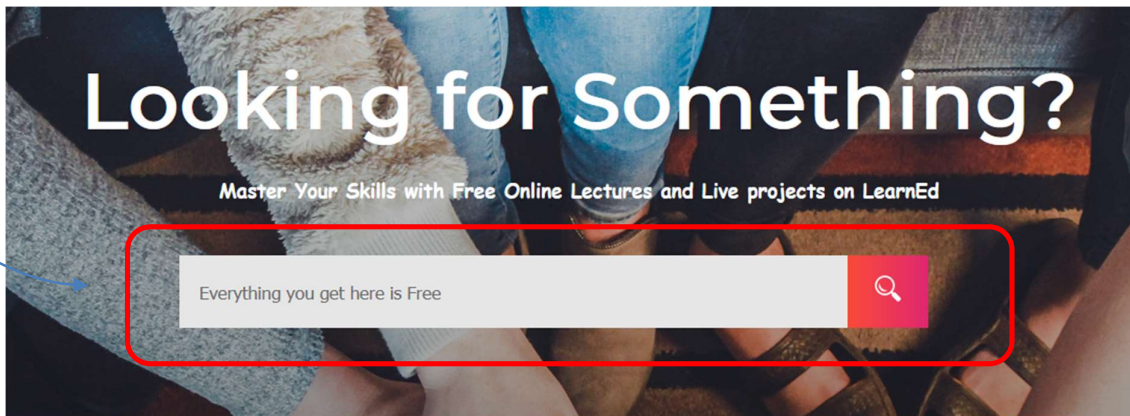
This is the Button for Login / Register Page

Search



This is a Search Box , for searching anything in the site.

A Search Box is also provided on the banner of the main page .



Next Comes the Subjects list . Each subject redirects to a new page which contains the information about the subject.

Popular Subjects on LearnEd



A hover effect is also provided on each box.

Code for the hover effect.

```
.cbx .det a:hover {  
  background: linear-gradient(to right, #FA4B37, #DF2771);  
  color: white;  
}  
  
.cbx .det a:hover img{  
  filter: brightness(100);  
}
```

Then Comes the about section , which tells about the site .

About



What you think about us ?

Education is the process of facilitating learning, or the acquisition of knowledge, skills, values, beliefs, and habits. Educational methods include teaching, training, storytelling, discussion and directed research. Educational website can include websites that have games, videos or topic related resources that act as tools to enhance learning and supplement classroom teaching. These websites help make the process of learning entertaining and attractive to the student, especially in today's age. Using HTML(HyperText Markup Language), CSS(Cascading Style Sheet), JavaScript, we can make learning more easier and in a interesting way.

A shadow effect is provided is side text.

Code for the shadow effect.

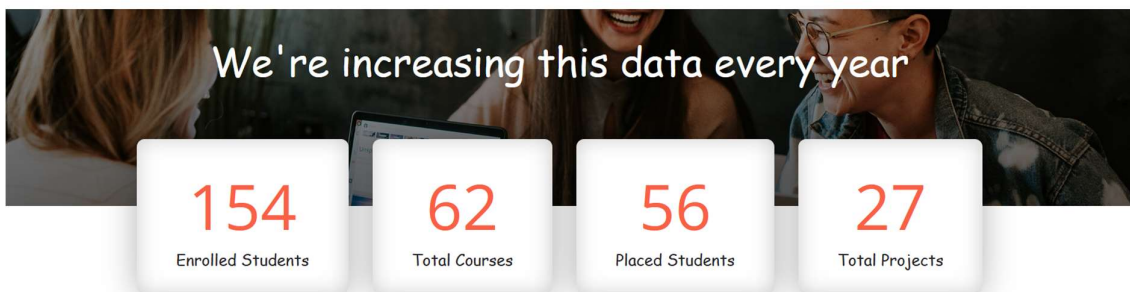
```
.about-content .side-text {  
  width: 550px;  
  padding: 50px 40px;  
  background: #fff;  
  box-shadow: 2px 0 100px rgba(0,0,0,0.3);  
  border-radius: 5px;  
  text-align: justify;  
  line-height: 22px;  
}
```

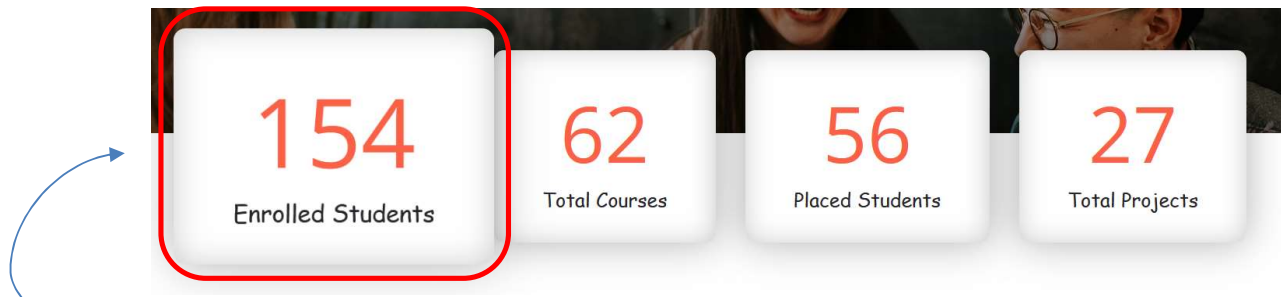
Portfolio :

This Section tells about the enrolled student count , number of courses available , number of placed students and the total projects available.

Portfolio

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today." "Your attitude, not your aptitude, will determine your altitude." "If you think education is expensive, try ignorance." "The only person who is educated is the one who has learned how to learn ...and change."



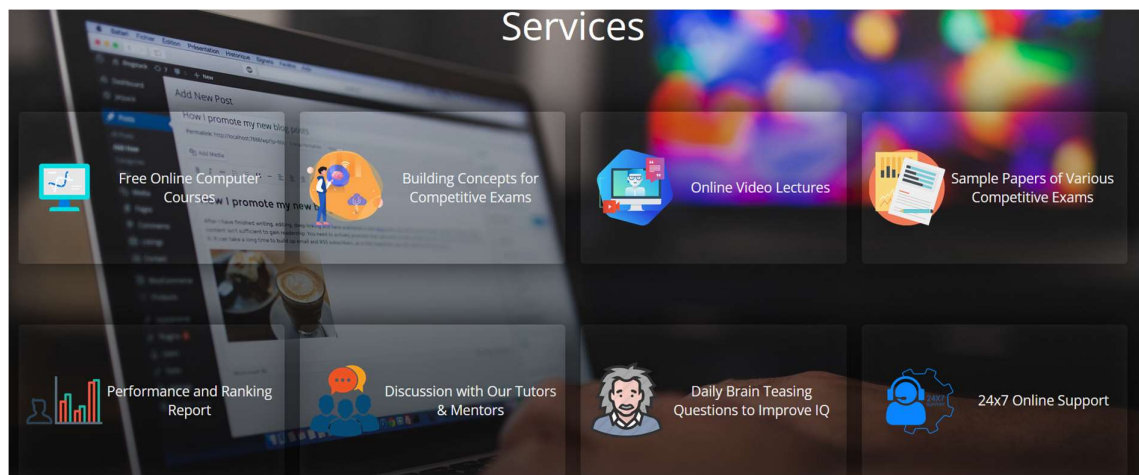


A hover effect is given here.

Code for which is.

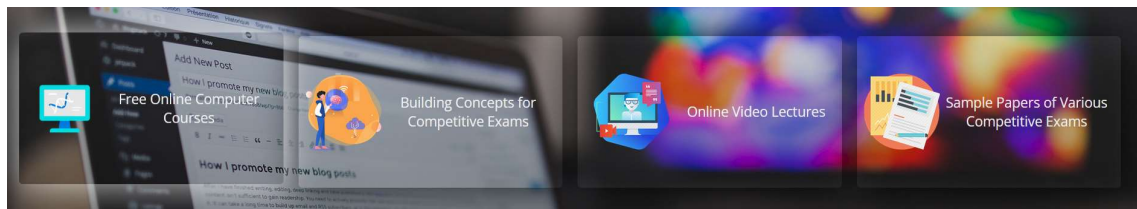
```
.smbox span:hover {  
  transform: scale(1.3);  
  transition: .5s ease;  
}
```

Services :



From this section a user will be redirected to different pages and modules of the site .

Here all the services that are provided by the site are listed.



A hover and a shadow effect is given here.

Contact us :

Contact Us

First Name *

Last Name *

Email *

Message *

Additional Details

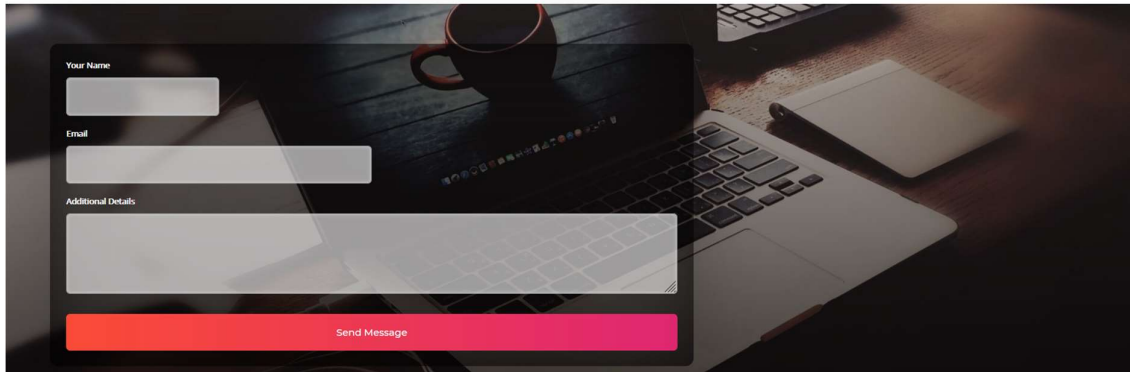
Send Message

This is a contact us module where user can interact with us directly , by filling some necessary information .

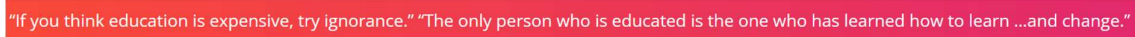
Feedback Module :

Give Feedback

Please share your valuable feedback to us

A feedback form titled "Give Feedback" with the subtitle "Please share your valuable feedback to us". The form is overlaid on a background image of a laptop and a cup of coffee. It contains three input fields: "Your Name", "Email", and "Additional Details". Below these fields is a red "Send Message" button.

The feedback page asks the user to enter their valuable feedback about their experiences with the webpage and suggest any other changes and satisfactory modifications. This is an optional field and the response entered by the user is recorded.

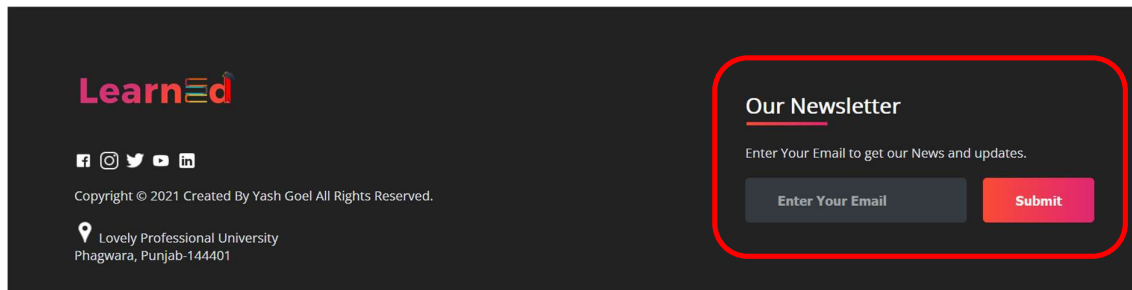


"If you think education is expensive, try ignorance." "The only person who is educated is the one who has learned how to learn ...and change."

This is a scrolling text at the bottom of the site.

Code for this is.

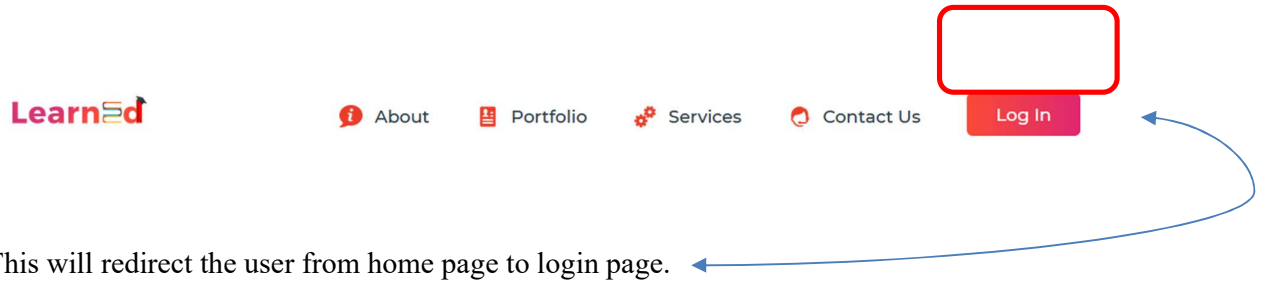
```
<marquee style="background: linear-gradient(to right, #FA4B37, #DF2771);  
margin-top: 50px;" direction="left" onmouseover="this.stop()" onmouseout="this.start()" scrollamount="20"><div class="marqu">  
  "Education is the passport to the future, for tomorrow belongs to those who prepare for it today." "Your attitude, not your aptitude, will determine your altitude."  
  "If you think education is expensive, try ignorance."  
  "The only person who is educated is the one who has learned how to learn ...and change."  
</div></marquee>
```



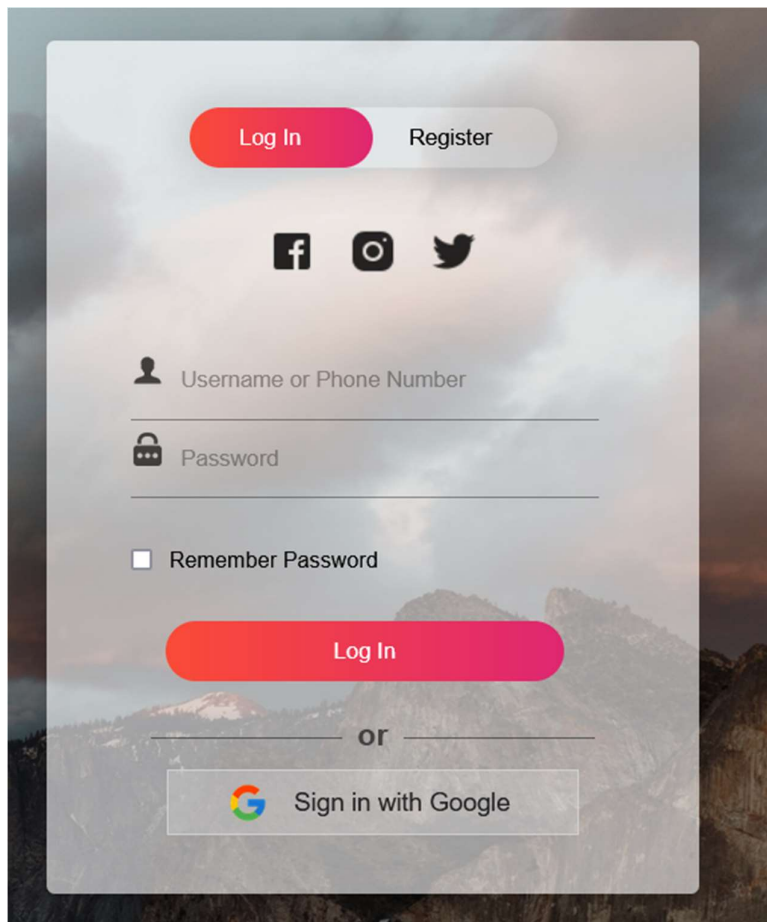
A newsletter option is provided at the end , which the user can subscribe by entering his email id .

6.1

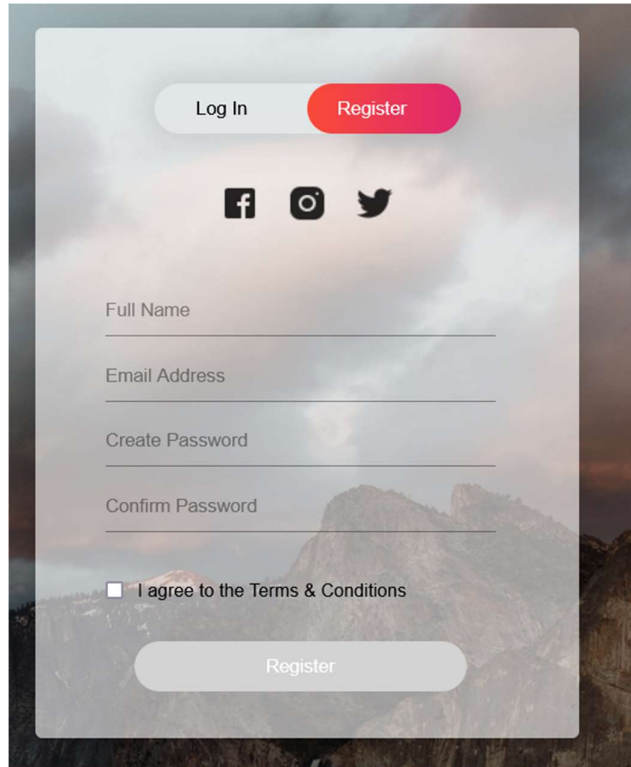
Login / Register page :



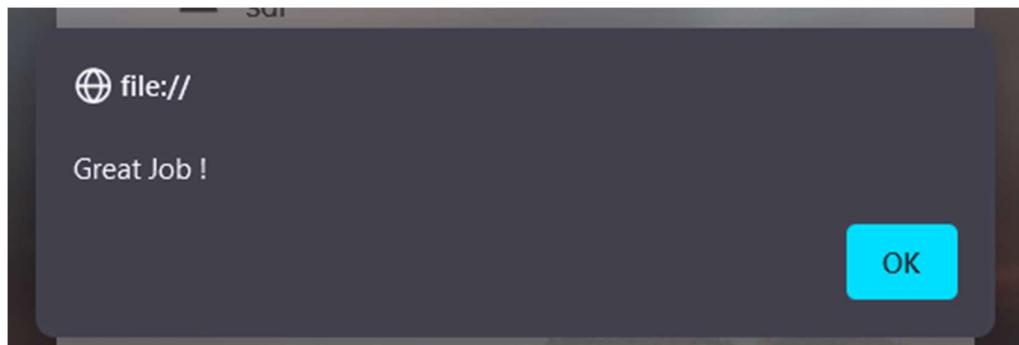
Login Division :



Register Division :

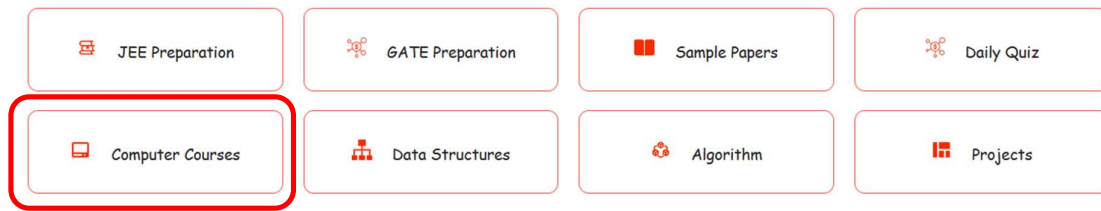
A registration form overlay on a mountain background. At the top, there are two buttons: 'Log In' (white with black text) and 'Register' (red with white text). Below these are three social media icons: Facebook, Instagram, and Twitter. The form contains four input fields: 'Full Name', 'Email Address', 'Create Password', and 'Confirm Password'. Below the fields is a checkbox labeled 'I agree to the Terms & Conditions'. At the bottom of the form is a large, light gray 'Register' button.

- Both login and register divisions are designed by CSS and linked with Home page.
- Basic JavaScript is used for smooth division scrolling.

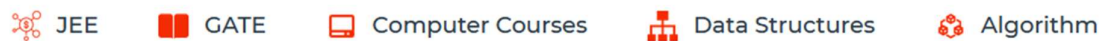
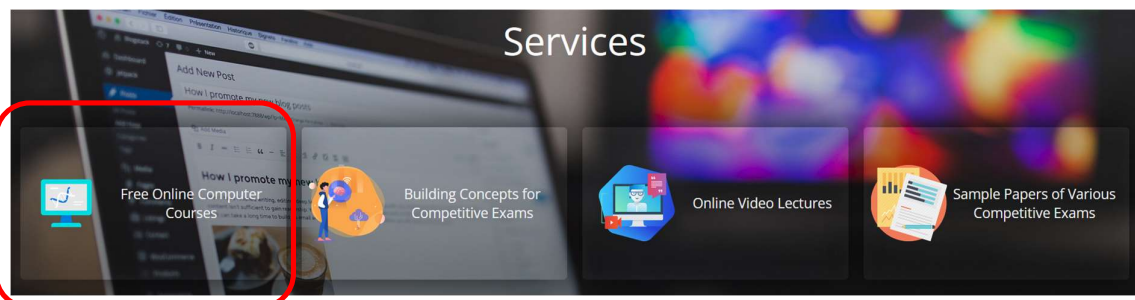


A dialog box appears after clicking on submit.

When user clicks on OK , he gets redirect to the Home page.



This will redirect the home page to Computer Science page.



Navigation bar that redirects to other pages / modules of the site.

This page contains videos that are embeded from youtube.

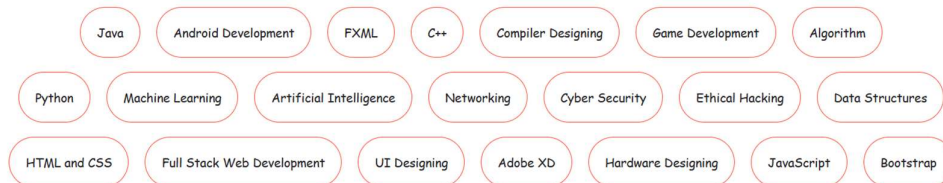
Here all the lectures are divided in an organized manner , under their respective topic.

Lectures are from the best teachers on youtube.

A user can watch those lectures on this site , or can just go to youtube directly with the link of the lecture provided.

Computer Science Courses on LearnEd

Learn programming languages and concepts to prepare for a career in hardware or software development



This division contains all the major topics related to Computer Science.

A user can click on any of the topic , and will be redirected to their respective material and lectures.

Accelerate your career with Computer Science programs



All courses are divided into categories . After clicking on these categories , user gets redirected to that module.

Start Programming with Java

Practice and Practice to become a good programmer



[Click Here to Watch full playlist](#)

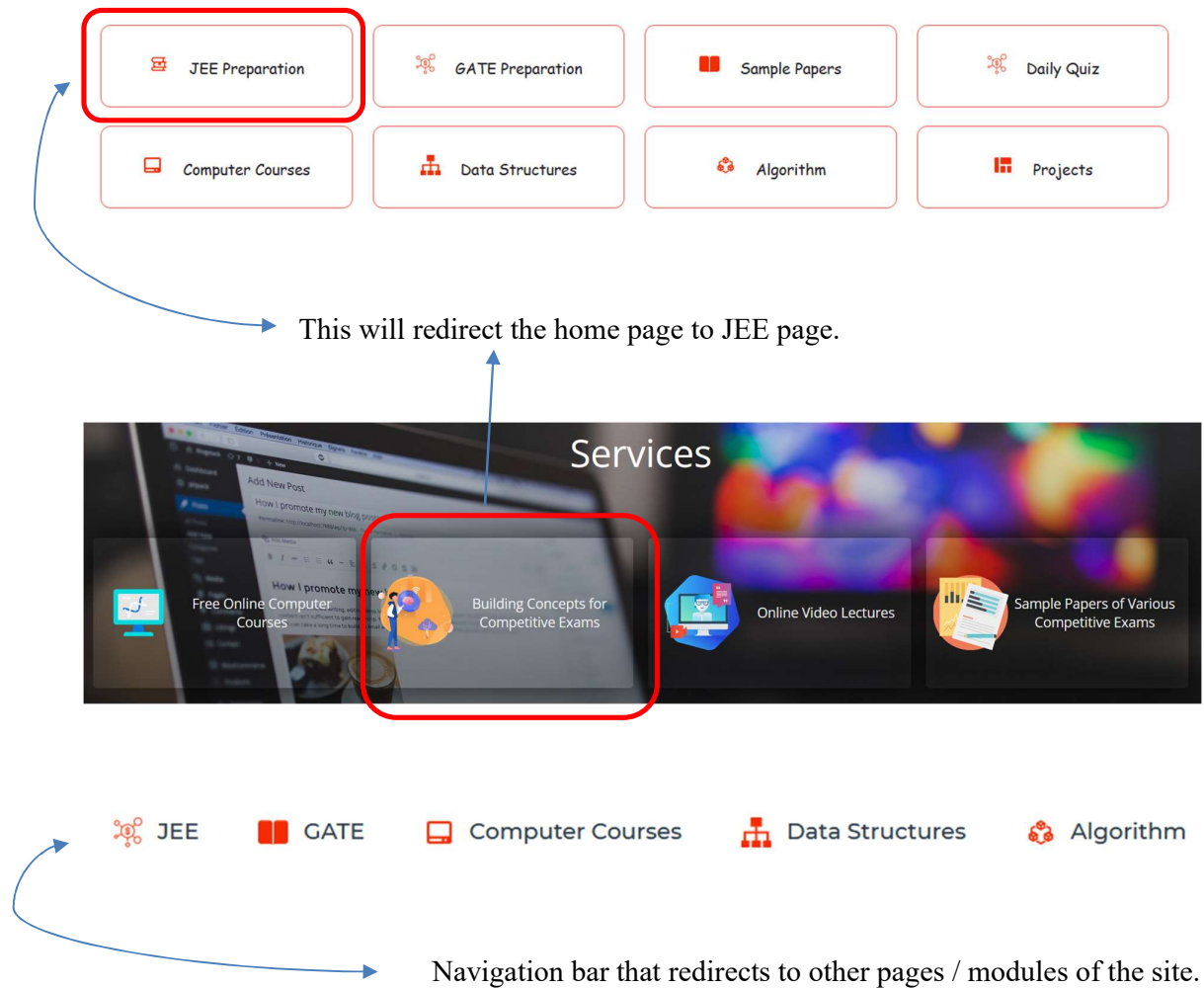
Here videos are embedded , in an organized manner .

User can watch these videos , here on the site only . Or can visit the original page.

Full playlist link is also given at the bottom of the topic.

6.3

JEE PAGE



This page contains videos that are embeded from youtube.

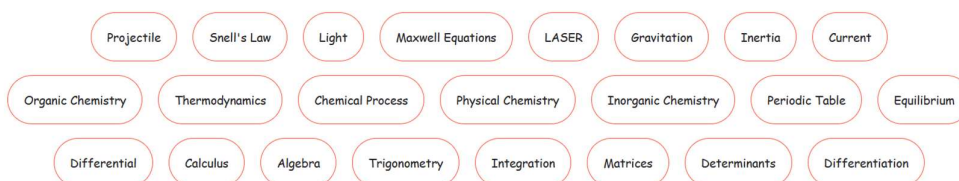
Here all the lectures are divided in an organized manner , under their respective topic.

Lectures are from the best teachers on youtube.

A user can watch those lectures on this site , or can just go to youtube directly with the link of the lecture provided.

Prepare for JEE Mains & Advanced on LearnEd

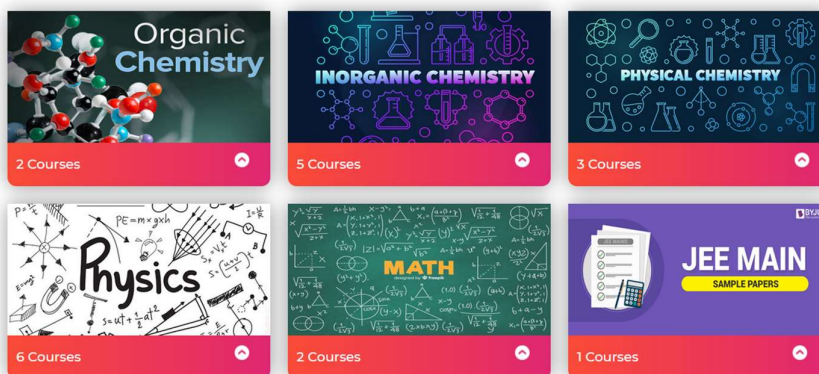
Learn your basic concepts to prepare for a career in Engineering and Medical fields



This division contains all the major topics related to JEE .

A user can click on any of the topic , and will be redirected to their respective material and lectures.

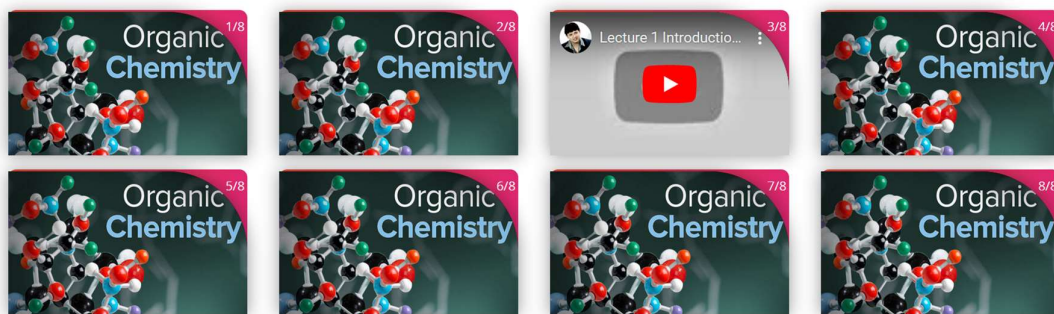
Accelerate your career with JEE Main & Advanced programs



All courses are divided into categories . After clicking on these categories , user gets redirected to that module.

Organic Chemistry

Practice and Practice to become a good programmer



[Click Here to Watch full playlist](#)

Here videos are embedded , in an organized manner .

User can watch these videos , here on the site only . Or can visit the original page.

Full playlist link is also given at the bottom of the topic.

Sample Papers 2016-21

Practice more and more question papers

[Sample Paper 2016 Set-A](#)

[Sample Paper 2016 Set-B](#)

[Sample Paper 2016 Set-C](#)

[Sample Paper 2019 Set-A](#)

[Sample Paper 2019 Set-B](#)

[Sample Paper 2019 Set-C](#)

[Sample Paper 2017 Set-A](#)

[Sample Paper 2017 Set-B](#)

[Sample Paper 2017 Set-C](#)

[Sample Paper 2020 Set-A](#)

[Sample Paper 2020 Set-B](#)

[Sample Paper 2020 Set-C](#)

[Sample Paper 2018 Set-A](#)

[Sample Paper 2018 Set-B](#)

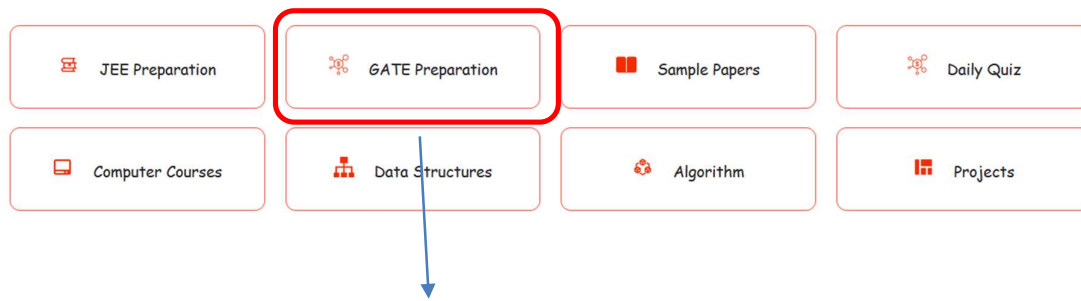
[Sample Paper 2018 Set-C](#)

[Sample Paper 2021 Set-A](#)

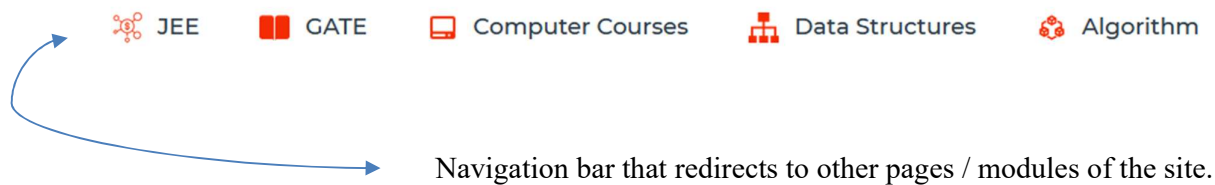
[Sample Paper 2021 Set-B](#)

[Sample Paper 2021 Set-C](#)

Sample papers are also given , which can be downloaded in pdf format.



This will redirect the home page to GATE page.



Navigation bar that redirects to other pages / modules of the site.

This page contains videos that are embedded from youtube.

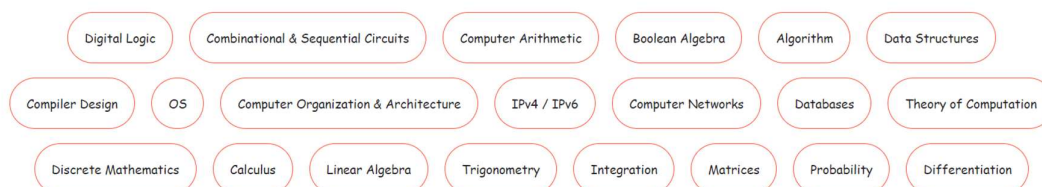
Here all the lectures are divided in an organized manner , under their respective topic.

Lectures are from the best teachers on youtube.

A user can watch those lectures on this site , or can just go to youtube directly with the link of the lecture provided.

Prepare for GATE Exams on LearnEd

Learn from LearnEd for better higher studies in
Indian Institutes of Technologies(IIT)

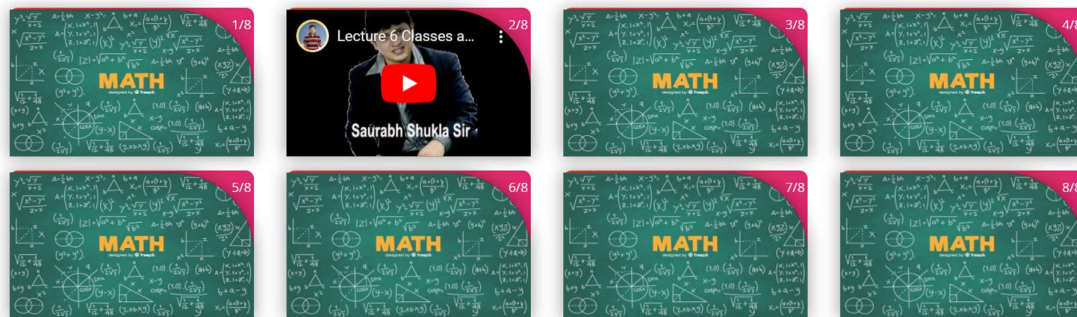


Accelerate your career with GATE programs



Engineering Mathematics

Practice and Practice to become a good programmer



[Click Here to Watch full playlist](#)

Sample Papers 2016-21

Practice more and more question papers

[Sample Paper 2016 Set-A](#)

[Sample Paper 2016 Set-B](#)

[Sample Paper 2016 Set-C](#)

[Sample Paper 2019 Set-A](#)

[Sample Paper 2019 Set-B](#)

[Sample Paper 2019 Set-C](#)

[Sample Paper 2017 Set-A](#)

[Sample Paper 2017 Set-B](#)

[Sample Paper 2017 Set-C](#)

[Sample Paper 2020 Set-A](#)

[Sample Paper 2020 Set-B](#)

[Sample Paper 2020 Set-C](#)

[Sample Paper 2018 Set-A](#)

[Sample Paper 2018 Set-B](#)

[Sample Paper 2018 Set-C](#)

[Sample Paper 2021 Set-A](#)

[Sample Paper 2021 Set-B](#)

[Sample Paper 2021 Set-C](#)

Chapter 7

Technology and Framework Used

We used the Text-Editor Tool “**ATOM**” for coding purpose.

We used the concepts of-

- • HTML
- • CSS
- • JAVASCRIPT

For designing our webpages and validating the data entries.

We downloaded the pictures and videos from Internet, for the successful completion of the project.

The website is compatible to run on all the browsers. But in our project we have worked with “**Google Chrome**” browser.

References

1. [Stack Overflow - Where Developers Learn, Share, & Build Careers](#)
2. [CSS-Tricks](#)
3. [HTML Tutorial \(w3schools.com\)](#)
4. [The Modern JavaScript Tutorial](#)
5. [YouTube](#)