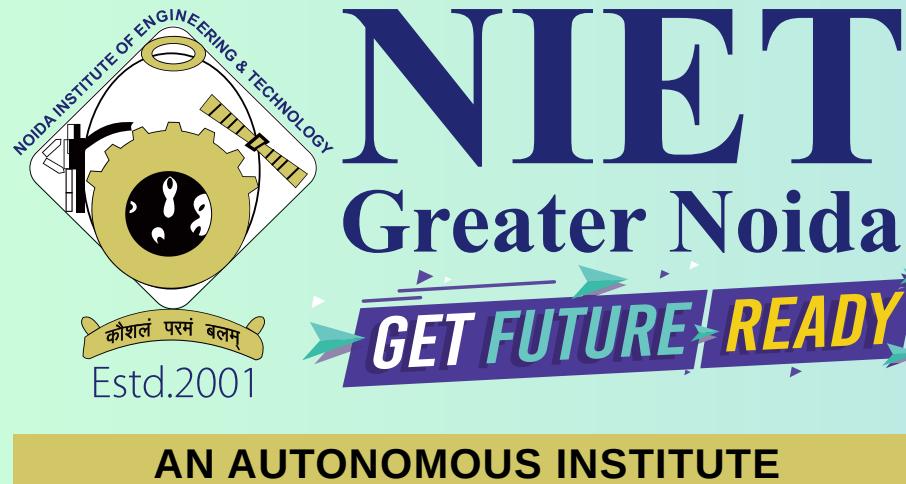


FINAL YEAR PROJECT

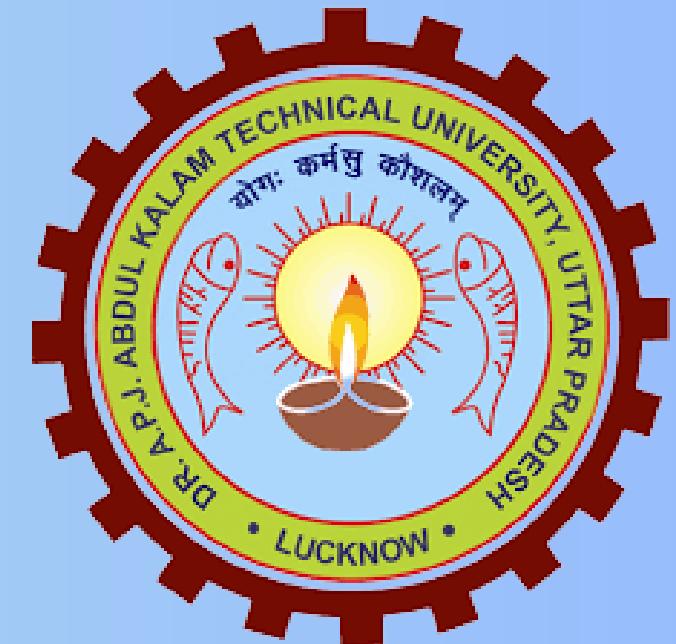


Presentation On **TECH LEARNING**

Noida Institute of Engineering and Technology
Dept. of Computer Applications



FINAL YEAR PROJECT



TECH LEARNING

Submitted By:

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Under the Guidance of

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Asst. Professor**

Dept. of Computer Applications, NIET Greater Noida

INTRODUCTION

Project Overview: The "Tech Learning" is a web application that aims to provide a user-friendly and efficient way of teaching and communication with educator.

It is an online learning system that provides a wide range of features such as Study material etc.

One to One doubt solve, Easy access and much more. This project is built design using Bootstarp4, Materlize css etc.

Agenda



Objective



Scope and Limitation



Reading Content



Writing Problems



Limitations



System Design



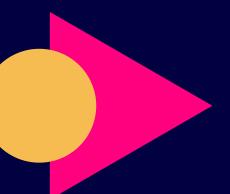
Easy Communication



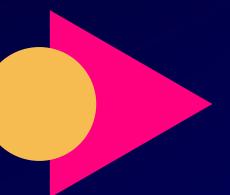
Conclusion and References

Objectives

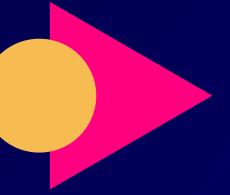
The main objectives of this project are to provide an online teaching platform that is easy to use, and reliable. It also aims to provide the following benefits to programmer:



Quick access to learning site



Register for more content and connect with educator



Dynamic and responsive

Scope of the Project



01

What is the project :

Online teaching and learning is faculty-delivered instruction via the Internet. Online instruction includes real-time and anytime.

Online teaching plays a key role in the education system in India but it became more popular during **Covid 19** pandemic

02

Future scope:

The project doesn't cover integration with third-party services such as payment gateways. It also doesn't cover the development of mobile applications.

Project Goals

The main goals of the project are to develop a user-friendly and one to one doubt solving that provides efficient and reliable teaching services to student. The objectives of the project are as follows:

- Develop a responsive and user-friendly web site.
- Implement secure user authentication through login.
- Develop a robust data storage and update system.
- Implement easy to send query with educator.
- Ensure system security and performance

Expected outcomes and benefits

The expected outcomes of the project are as follows:

- Increased user satisfaction.
- Efficient and secure online teaching and guiding.
- Better user experience.
- Increased trust in the online teaching system.

Technology Used

Frontend	Backend	Tools
HTML, CSS	JAVA	server: Apache
BOOTSTRAP4	DATABASE: SQL	NetBeans IDE
JAVASCRIPT	Servlet, Jsp	mysql-connector

Limitations

Q1

- Connectivity Issues: user in areas with poor connectivity or limited access to the internet may face difficulty in accessing Tech Learning.

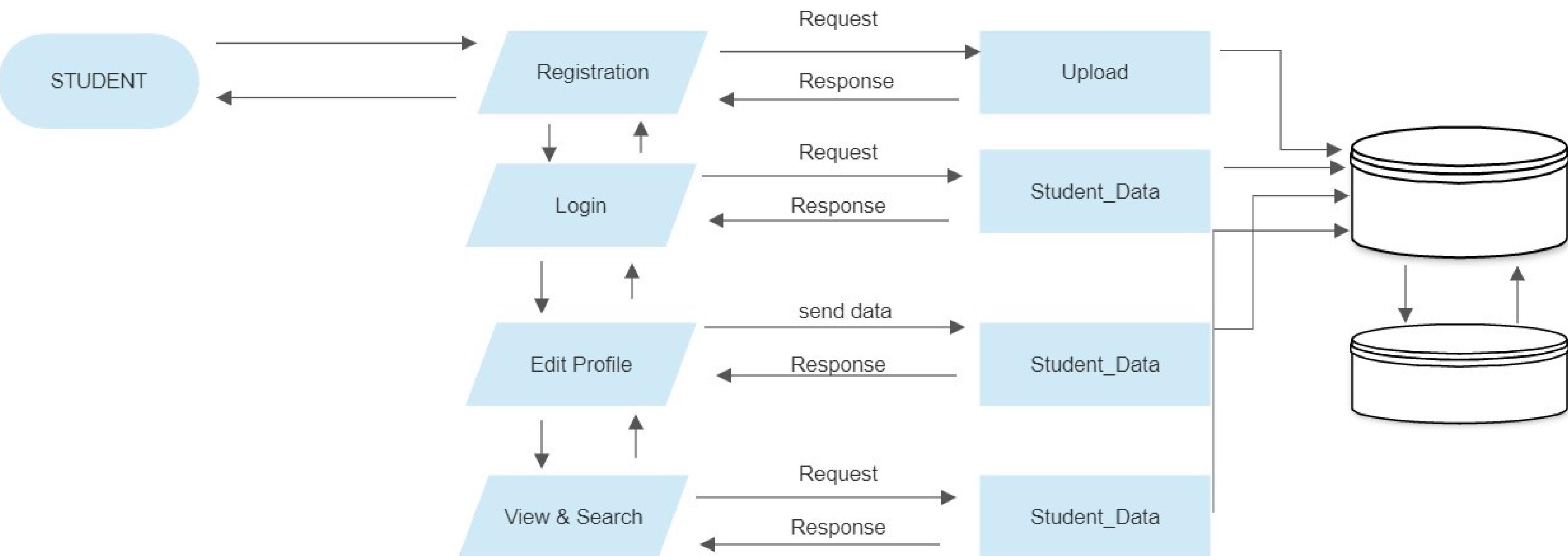
Q2

- Security Concerns: Despite advanced algorithms for fraud detection, online hacking, and other security risks,

Q3

- Technical Issues: Technical issues such as server crashes, software bugs, and other technical glitches can effect to access.

System Design



Data Table

1 Messages 2 Table Data 3 Info

Limit rows First row 0

	id	name	email	password	gender	about	rdate
		Md Ashad	ashad121@gmail.com	asad	Male		2023-05-12 22:43:44
	24	Himanshu Kumar	Himanshu121@gmail.com	himl23	Male	I am a student of NIET	2023-05-12 22:58:59
	25	Sandeep Kumar	sandeep954@gmail.com	sandeep	Male		2023-05-12 23:03:46
*	(Auto)	(NULL)	(NULL)	(NULL)	(NULL)	'Hey ! I am using TechB	CURRENT_TIMESTAMP

1 Messages 2 Table Data 3 Info

Limit rows First row 0

	userId	category	pTitle	pContent	pCode	rdate	postid
	23	Java			0B class StackExample { public static void check(int i){	293B 2023-05-12 22:56:51	19
	24	C program			0B #include <stdio.h> int main() { a = 10; print...	118B 2023-05-12 23:02:30	20
	25			please provide ...	23B #include <stdio.h> int main() { int a=2; if(.) /...	142B 2023-05-12 23:20:32	21
*	(NULL)	(NULL)	(NULL)	(NULL)	OK (NULL)	OK CURRENT_TIMESTAMP	(Auto)

OUTPUT SCREENS

 Register Here

User Name
Md Ashad Hussain

Email address
ashad121@gmail.com

We'll never share your email with anyone else.

Password
.....

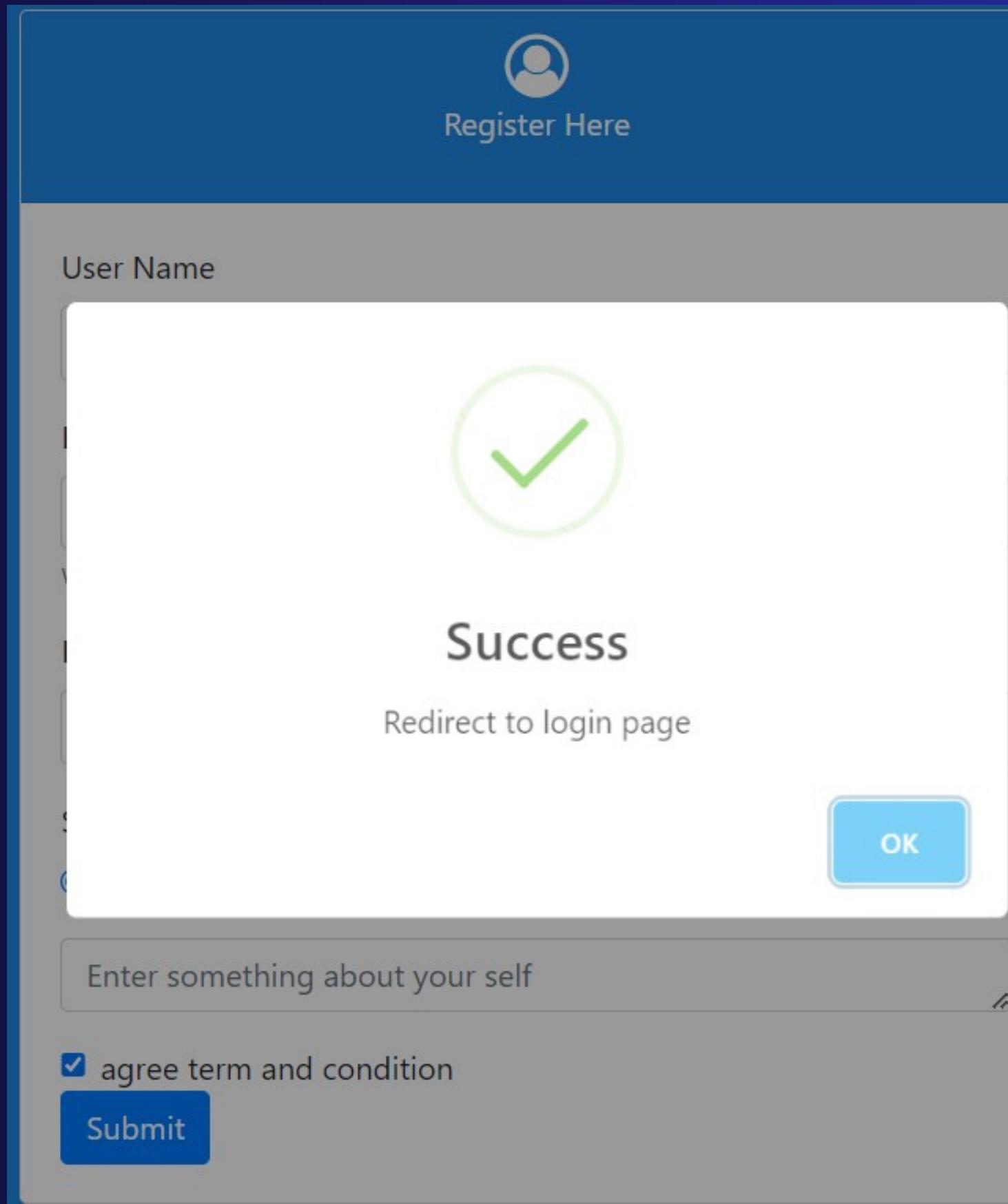
Select Gender
 Male Female

Enter something about your self

agree term and condition

Submit

OUTPUT SCREENS



OUTPUT SCREENS

Login Here

Email address

Enter email

Password

Password

Submit

Welcome to Tech

A programming language is a system of notation for writing computer programs.[1] Most programming languages are text-based formal languages, but they may also be graphical. They are a kind of computer language.

 Start ! with registration

 Login

Training Course

Do you feel like you're doing a lot of guess work when it comes to training for your website? Take the programming training course.

Register

DBMS Tutorial

The database is a collection of inter-related data which is used to retrieve, insert and

Android Studio

Android is a complete set of software for mobile devices such as tablet computers,

Artificial Intelligence (AI)

In today's world, technology is growing very fast, and we are getting in touch with

Training Course

Do you feel like you're doing a lot of guess work when it comes to training for your website? Take the programming training course.

Register

DBMS Tutorial

The database is a collection of inter-related data which is used to retrieve, insert and delete the data efficiently. It is also used to organize the data in the form of a table, schema, views, and reports, etc.

Great Learning

INurture

Android Studio

Android is a complete set of software for mobile devices such as tablet computers, notebooks, smartphones, electronic book readers, set-top boxes various devices such as mobiles, tablets, televisions etc..

Great Learning

INurture

Artificial Intelligence (AI)

In today's world, technology is growing very fast, and we are getting in touch with different new technologies day by day. AI holds a tendency to cause a machine to work as a human.

Great Learning

INurture

Developer

Are you interested in a career as a web developer but are not sure how to start preparing for it? We

Developer

Are you interested in a career as a web developer but are not sure how to start preparing for it? We have you covered!



Sandeep Kumar

[Web Developer](#)

Front-end web development is the development of the graphical user interface of a website, through the use of HTML, CSS, and JavaScript,



Md Ashad Hussain

[Backend Developer](#)

Back-end developers are the experts who build and maintain the mechanisms that process data and perform actions on websites. Unlike front-end developers



Himanshu Kumar

[DataBase](#)

A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS).



Md Ashad Hussain



Logout

Tech Learning

Md Ashad Hussain

ID : 23

Email : ashad121@gmail.com

Gender : Male

Status :

[Close](#) [EDIT](#)

Tech Learning

Md Ashad Hussain
Please Edit Carefully

ID : 23

Email :

Name :

Password :

Gender : MALE

About :

[Save](#)

[Close](#) [Back](#)

Profile update

Welcome to Our Course

Email :

ashad121@gmail.com

Name :

Md Ashad

Password :

....

Gender:

MALE

About :

[Save](#)

Welcome to Our Course

Java Programming

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.. It is bordered by the south and the Java Sea to the north.

[Great Learning](#) [INurture](#)

Python Programming

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation via the off-side rule.

[Great Learning](#) [INurture](#)

C++ Programming

C++ was designed with systems programming and embedded, resource-constrained software and large systems in mind, with performance, efficiency, and flexibility of use as its design highlights.

[Great Learning](#) [INurture](#)

DBMS Tutorial

The database is a collection of inter-related data which is used to retrieve, insert and delete the data efficiently. It is also used to organize the data in the form of a table, schema, views, and reports, etc.

[Great Learning](#) [INurture](#)

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Artificial Intelligence (AI)

In today's world, technology is growing very fast, and we are getting in touch with different new technologies day by day. AI holds a tendency to cause a machine to work as a human.

[Great Learning](#) [INurture](#)



```
document.getElementById(div).innerHTML = message;
else if (i==2)
{
    var atpos=inputs[i].indexOf(".");
    var dotpos=inputs[i].lastIndexOf(".");
    if (atpos<1 || dotpos<atpos+2 || dotpos>inputs[i].length-2)
        document.getElementById('errEmail').style.color='red';
    else
        document.getElementById(div).innerHTML = message;
}
else if (i==5)
    document.getElementById('errEmail').style.color='red';
else
    document.getElementById(div).innerHTML = message;
```



Certificate of Achievement

This certificate is proudly awarded to

Your Name

Have successfully completed our training program



COURSE NAME
DATE

SIGNATURE

Certificate of Achievement

This certificate is proudly awarded to

Your Name

Have successfully completed our training program

COURSE NAME
DATE



SIGNATURE



Login Here

Logout Successfully

Email address

Enter email

Password

Password

Submit



Login Here

Invalid Details ! try with another

Email address

Enter email

Please fill out this field.

Password

Password

Submit

Welcome to Our Course

Provide Your Query details..

Enter category related programming languages

Enter post Title

Enter your content

Enter your program code(if any)

Post

Provide Your Query details..

Java

Enter post Title

Enter your content

```
class StackExample {  
    public static void check(int i)  
    {  
        if (i == 0)  
            return;  
        else {  
            check(i++);  
        } } }  
public class Main {  
    public static void main(String[] args)  
    {  
        StackExample.check(5); }  
}
```

Post



Thank you!

Your submission has been sent.

[Home](#)

Register Here

User Name

Email address

Box not checked

OK

Select Gender

Male Female

I am a student of NIET college.

agree term and condition

Submit

User Name

Success

Redirect to login page

OK

I am a student of NIET college.

agree term and condition

Submit

 Login Here

Logout Successfully

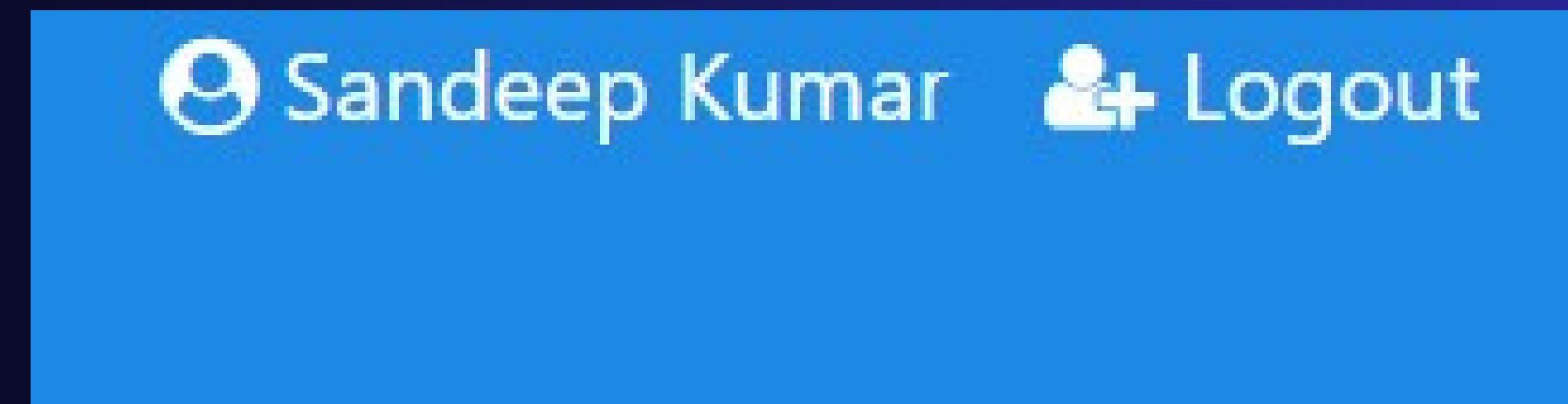
Email address

Password

 Login Here

Email address

Password



MySQL

```
MySQL 8.0 Command Line Client

| information_schema |
| mysql                |
| performance_schema |
| sys                  |
| techlearning         |
+-----+
5 rows in set (0.00 sec)

mysql> use techlearning;
Database changed
mysql> select * from user;
+----+-----+-----+-----+-----+
| id | name      | email           | password | gender | about
|    | rdate     |                 |          |        |          |
+----+-----+-----+-----+-----+
| 1  | Ashad     | as@gmail.com    | as       | Male   | mk
|    |           |                 |          |        |          |
| 2  | Shoaib Siddique | shoaib121@gmail.com | shoaib   | Male   | I am shoaib
|    |           | 2023-05-16 17:25:20 |          |        |          |
| 3  | Ujjwal Kumar  | ujjwal121@gmail.com | 123     | Male   |          |
|    |           | 2023-05-16 17:50:36 |          |        |          |
| 4  | Ashad khan  | asad1@gmail.com  | as       | Male   | I am ashad
|    |           |                 |          |        |          |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

MySQL

```
MySQL 8.0 Command Line Client | 2023-05-16 18:00:58 |      3 |
| 1 | Java    | Error in code
public static void main(String args[])
{
    int var1 = 15;
    int var2 = 5;
    int var3 = 0;
    int ans1 = var1 / var2;

    // This statement causes a runtime error,
    // as 15 is getting divided by 0 here
    int ans2 = var1 / var3;

    System.out.println(
        "Division of val"
        + " by var2 is: "
        + ans1);
    System.out.println(
        "Division of val"
        + " by var3 is: "
        + ans2);
}
| 2023-05-17 19:43:57 |      4 |
| 1 | java    | error
public static void main(String args[])
{
    int a = 40, b = 60;
| class DivByZero {
| class MisspelledVar {
```



Login Here

Logout Successfully

Email address

Enter email

Password

Password

Submit



Login Here

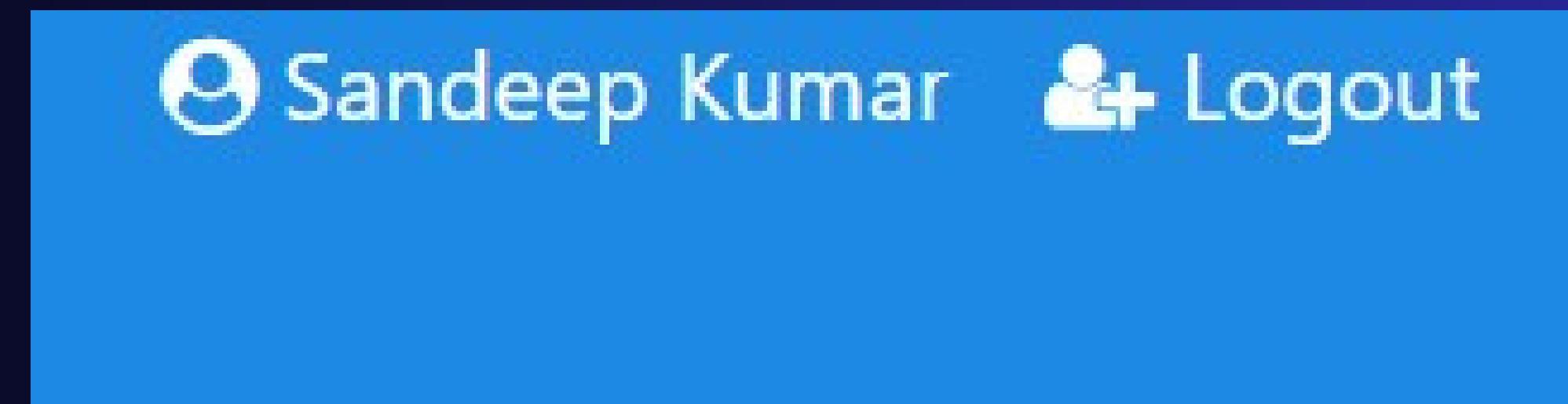
Email address

sandeep954@gmail.com

Password

.....

Submit



Learning

Sandeep Kumar

ID : 25

Email : sandeep954@gamil.com

Gender : Male

Status :

Sandeep Kumar

Please Edit Carefully

ID : 25

Email : sandeep954@gmail.com

Name : Sandeep Kumar

Password :

Gender : MALE

About :

Save

1 Messages 2 Table Data 3 Info

Messages Table Data Info

Limit rows First row 0

	id	name	email	password	gender	about	rdate
		Md Ashad	ashad121@gmail.com	asad	Male		2023-05-12 22:43:44
	24	Himanshu Kumar	Himanshu121@gmail.com	himl23	Male	I am a student of NIET	2023-05-12 22:58:59
	25	Sandeep Kumar	sandeep954@gmail.com	sandeep	Male		2023-05-12 23:03:46
*	(Auto)	(NULL)	(NULL)	(NULL)	(NULL)	'Hey ! I am using TechB	CURRENT_TIMESTAMP



Login Here

Logout Successfully

Email address

sandeep954@gmil.com

Password

.....|

Submit

id	name	email	password	gender	about	rdate
23	Md Ashad	ashad121@gmail.com	asad	Male		2023-05-12 22:43:4
24	Himanshu Kumar	Himanshu121@gmail.com	him123	Male	I am a student of NIET	2023-05-12 22:58:5
25	Sandeep Kumar	sandeep954@gmail.com	sandeep	Male		2023-05-12 23:03:4
(Auto)	(NULL)	(NULL)	(NULL)	(NULL)	'Hey ! I am using TechB	CURRENT_TIMESTAMP

Table Data						
	userId	category	pTitle	pContent	pCode	rdate
	23	Java			0B class StackExample { public static void check(int i){...} } 293B	2023-05-12 22:56:51
	24	C program			0B #include <stdio.h> int main() { a = 10; print... } 118B	2023-05-12 23:02:30
*	25			please provide ...	23B #include <stdio.h> int main() { int a=2; if(..) /... } 142B	2023-05-12 23:20:32
*	(NULL)	(NULL)	(NULL)	(NULL)	0K (NULL)	OK CURRENT_TIMESTAMP (Auto)

Set Null

```
class StackExample {
    public static void check(int i)
    {
        if (i == 0)
            return;
        else {
            check(i++);
        }
    }
public class Main {
    public static void main(String[] args)
    {
        StackExample.check(5);
    }
}
```

FUTURE SCOPE

- Mobile Application: The development of a mobile application will provide users with more convenient access to site and gether much knowldge.
- Artificial Intelligence: The integration of Artificial Intelligence can help the system to analyze customer data and provide personalized recommendations, such as investment opportunities and more.
- Payment Gateways: The integration of payment gateways will enable customers to make transactions to third-party vendors or merchants directly.
- Bill Payments: The addition of a feature to pay fees, and other subscription, can enhance the functionality of the platform.
- Voice Recognition: The integration of voice recognition technology will enable user to perform search and other activities by simply using voice commands.

CONCLUSION

- Tech Learning provides a wide range of features such as user admin, subscription login, Advance course access, connect with educator, and arise query. These features make it a comprehensive solution for all E-learning site needs.
- The project has a vast scope for future development, such as the integration of Artificial Intelligence, voice recognition, mobile application, and payment gateways. These enhancements will make the platform even more convenient and accessible to user.

REFERENCE

- "Responsive Bootstrap -"

<https://www.getbootstrap.com>

- "Java | Oracle"

<https://www.java.com/en/>

- "Apache NetBeans"

<https://netbeans.apache.org/>

- "MySQL connector"

<https://dev.mysql.com/downloads/connector/j/>

Thank You