

# THE VIT EXPRESS

## PROJECT REPORT

*Submitted in fulfilment for the J-Component of ITE1008 – Open Source Programming*

## CAL COURSE

*in*

**B.Tech. (Information Technology)**

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**SITE**



**VIT<sup>®</sup>**  

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**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**School of Information Technology and Engineering**

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## **ABSTRACT**

The Vit Express is a platform where students can create an account and post any news which they are aware of, and once the news is confirmed by the admins, is posted on the website. There is no specific website for the students of VIT to know correct news, before a mail is received from the management and there is a lot of fake news circulating around, causing chaos. The user will also be able to receive newsletters weekly or fortnightly to stay updated with the day to day happenings in VIT. The users can also comment on posts and give reviews. So all unverified news is posted by the users and once verified by the admins by confirming the respective authorities can be made available on the website to the Vit community.

### **Problem**

There is so much news related to college circulating everyday through different social media platforms from unverified sources. We are unable to predict whether it is actually true or not and subsequently turn to other people be it friends, proctors, faculty members etc. for checking the authenticity of the news. If the other people are also unaware of it, then they also do the same and turn to other people for verification and this process goes on and on if the news is just a rumour. This creates chaos among the students and staff members and ultimately the college administration has to intervene and clear the air with an official mail. So, a rumour which was spread by a bunch of notorious students can lead to so much chaos and inconvenience among other students and the college fraternity.

### **Solution**

A platform could be created in which any news fake or real which is circulating around, can be posted and the admins of the platform after confirming the news from the relevant sources can confirm the news and approve the news post so that everyone can know that the news is true.

### **Techniques that could be used**

The web application could be created with various popular technologies like ReactJS, AngularJS, NodeJS, VueJS, PHP as the front end and server side frameworks along with MySQL, PostgreSQL, MongoDB for the database and Bootstrap, SemanticUI and Scrollreveal JS for better UI designs and good User Experience.

### **Technique we used**

We used PHP as the server scripting language, MySQL as the database and CSS for styling. We used Bootstrap and Scrollreveal JS libraries to enhance the UX of the website along with the UI

design and also to add animations. We used these because PHP makes the two end process easy along with running on a localhost server, whereas using ReactJS and NodeJS is a bit more complex. We wanted a two client interface, one for the admins and one for the users, this is easier done with a SQL database instead of a no SQL database like MongoDB. So, we used MySQL which is the most popular SQL database. To ensure database access for everyone, we hosted it online. We used Apache server to run PHP.

### **Expected outcome**

We expect to create a fully functional responsive web application, in which any user can create an account and post news he/she is aware of and once verified by the admins will be posted on the website for everyone's reference. We also aim to add various features like a newsletter, comments and reviews.

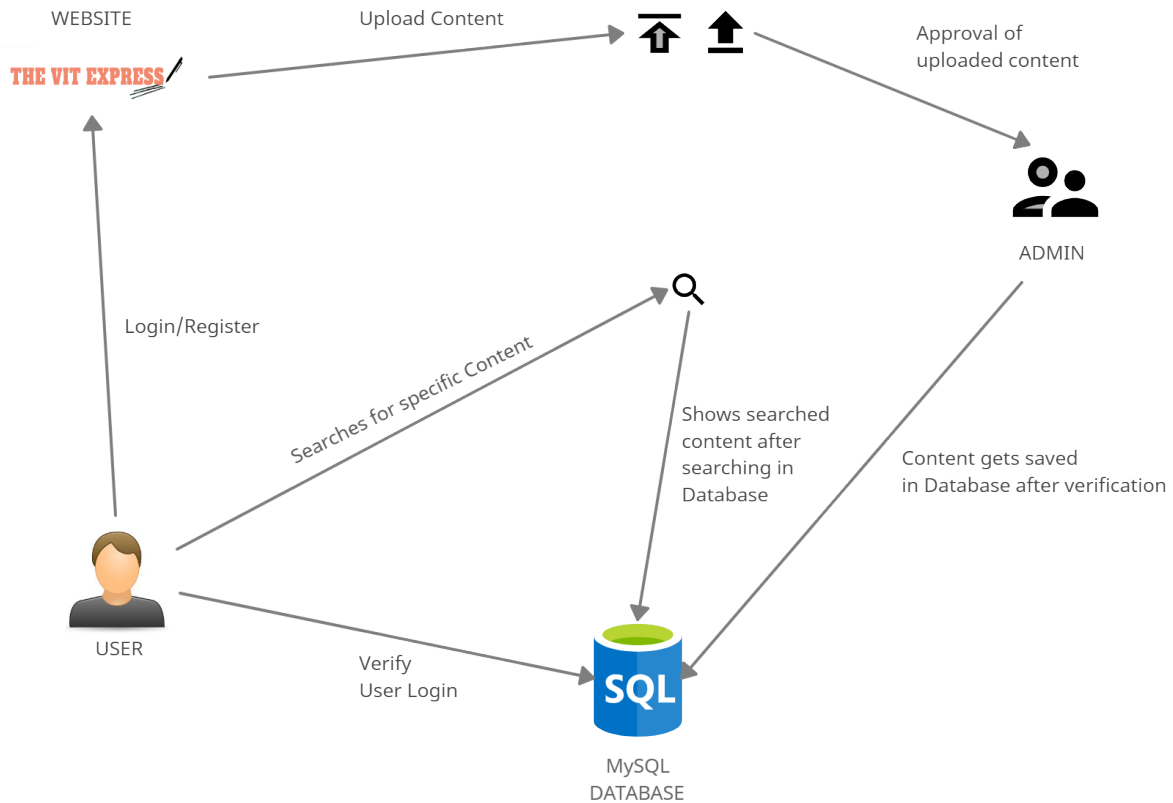
## **INTRODUCTION**

The VIT Express will be a platform which can be a possible solution to this problem where the students or staff members will be able to post any query or upload any unverified news which will be verified by the administration and subsequently posted on the homepage depending on its authenticity making it available for the VIT community to view and clarify their doubts. The administration in this way will be able to clarify which news is true and which is false. So, instead of verifying the news from others, people can simply login and search for the unverified news, if they don't find any such news verified by the administration then they can simply raise a query which will be answered by the administration.

## **PROBLEM STATEMENT**

The VIT Express aims to keep the VIT community updated about day to day happenings in the college. There is no proper platform for Vitians to know news and announcements frequently. This project has many modules such as posting, saving posts, commenting and subscribing for newsletters.

## PROCESS FLOW DIAGRAM



## MODULES

### 1) Register

A first time visitor will have the option to register on the site for posting news, commenting and giving reviews on a post and subscribing for a newsletter.

## 2) Login/Logout

This functionality will provide a registered user option to log in as well as log out of his /her registered account. The login will take the user to his/her profile. Each user will have a separate profile from where they can control their activity.

## 3) Homepage

This page will display the main content of the news under different sections such as rumours and headlines. This page will display all the options available to the user. Navigation panel will contain links to other web pages.

## 4) News Posting

This feature will enable a user to post news for publishing it on our site. The news once approved by the admin gets posted

## 5) Reviews and Comments

This will provide the functionality of adding a review or a comment on each post. The user can also like or dislike the post.

## 6) Mailing Newsletter

This feature allows the admin to send newsletters to users who have subscribed for newsletters.

## 7) Saving Posts

Each post will have an option, so that the user can save that particular post for future reference and the same can be viewed in the saved posts section.

## 8) Approval of post by admin

Each post posted by the user is first verified by the admin, the admin has the control over accepting and rejecting posts and as to what news can be posted on the website.

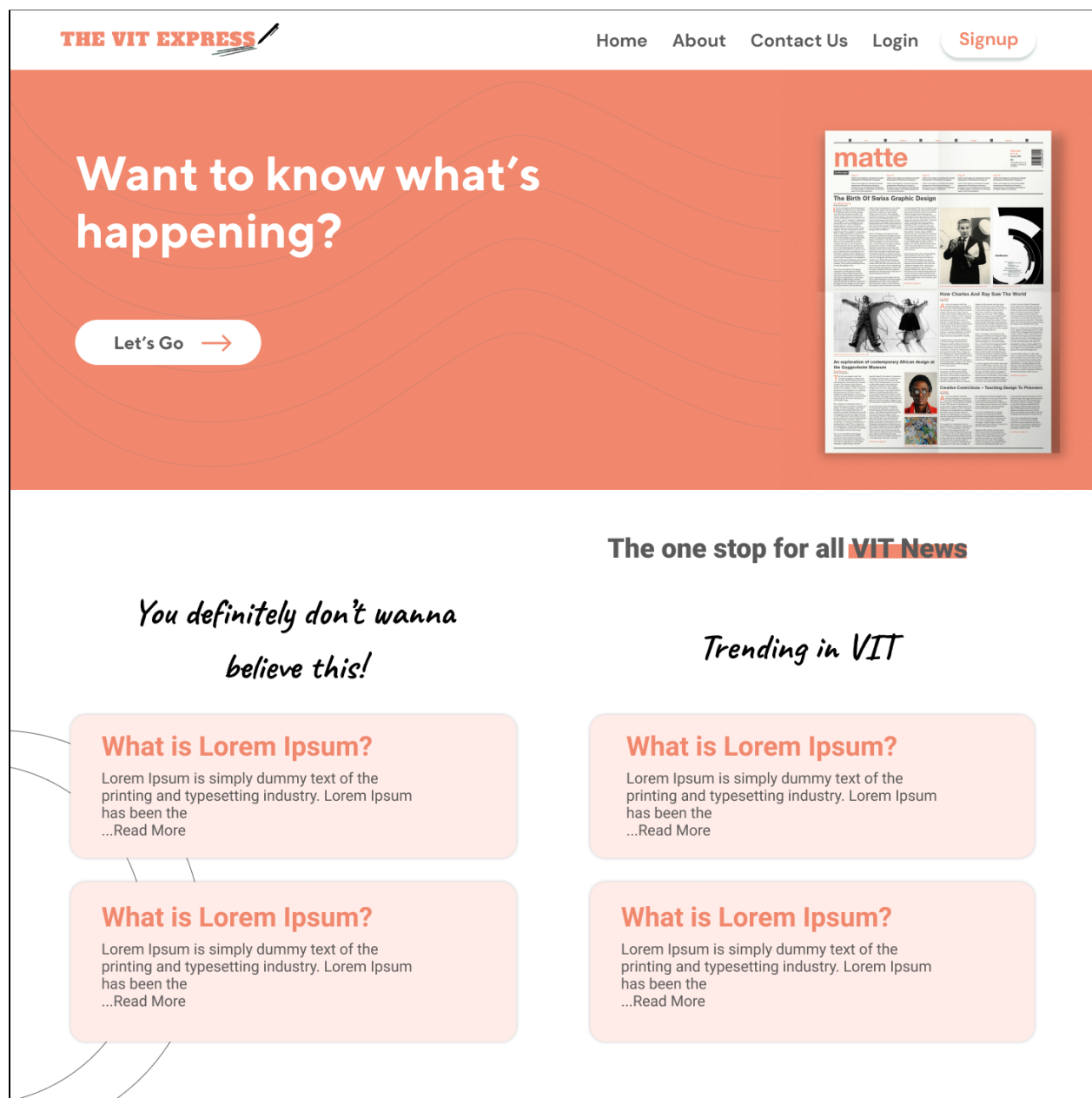
## 9) Remember Me

The website saves the user login data through cookies and the user has the option of choosing 'Remember Me' while getting logged in to his/her account to save entering login details every time the user logs in.

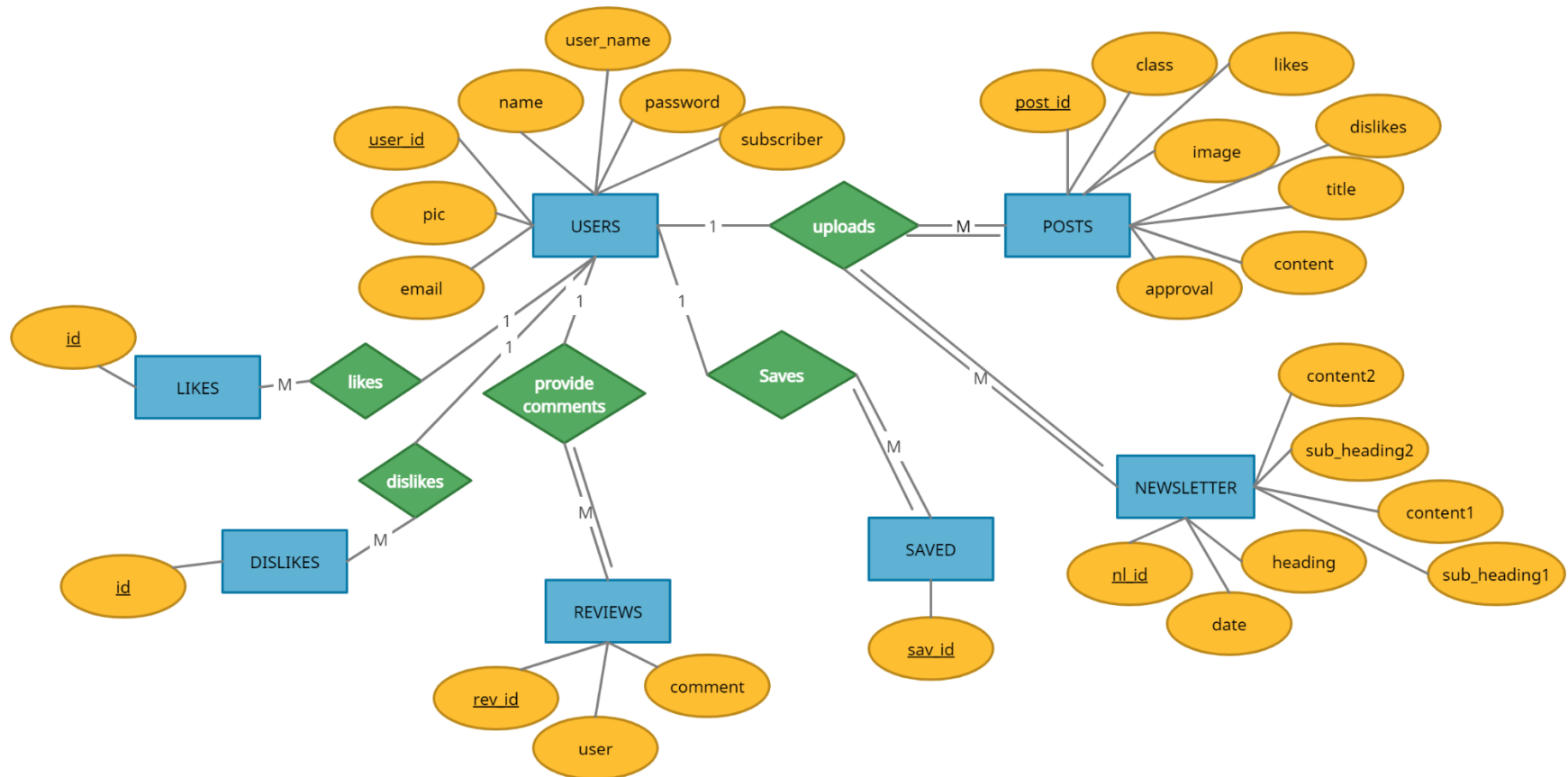
## 10) Profile

Each user has a unique profile page to view his/her details and the users can also upload a profile picture of their choice. The navigation to the saved posts is present in the profile page uniquely to a particular user to show them the posts that only they have saved.

## PROTOTYPE DESIGN



## DATABASE DETAILS





Database Name: sql5415722

## TABLES

Table Name: users

Number of attributes: 7

Attribute details

Name	user_id (Primary Key)	username	user	password	pic	email	subscriber
Type	int	varchar	varchar	varchar	text	varchar	boolean
Extra	Auto Increment						

Sample Inputs

+ Options								
← T →								
		user_id	username	user	password	pic	subscriber	email
<input type="checkbox"/>	Edit Copy Delete	1	kkm	Karthik	abc123	pic1.jpg	1	karthik@gmail.com
<input type="checkbox"/>	Edit Copy Delete	2	sa	Sanskar	def123	pic2.jpg	0	sanskar@rediff.com
<input type="checkbox"/>	Edit Copy Delete	3	rr	Ritwik	ghi123	pic3.jpg	1	ritwik@yahoo.com

Table Name: posts

Number of attributes: 6

Attributes details

Name	post_id (Primary Key)	user_id (Foreign key)	class	title	content	approval	image	likes	dislikes
Type	int	int	varchar	varchar	varchar	boolean	text	int	int
Extra	Auto Increment								

Sample Inputs

+ Options										
← T →										
		post_id	user_id	class	title	content	approval	image	likes	dislikes
<input type="checkbox"/>	Edit Copy Delete	3	5	Rumour	Ankit	Prakaash	1	newsletter.png	2	0
<input type="checkbox"/>	Edit Copy Delete	4	2	Headline	Vacation from 24th M	In the Faculty meeting held recently, a vacation f...	1	Screenshot (823).png	NULL	0
<input type="checkbox"/>	Edit Copy Delete	6	2	Headline	Vacation from 24th	In the faculty meeting held recently , a vacation ...	1	Screenshot (823).png	NULL	0
↑ <input type="checkbox"/> Check all With selected: Edit Copy Delete Export										

Table Name: reviews

Number of attributes: 4

Attribute details

<b>Name</b>	rev_id (primary key)	post_id (foreign key)	user	comment	comm_date
<b>Type</b>	int	int	varchar	varchar	date
<b>Extra</b>	Auto Increment				

Sample Inputs

+ Options

			rev_id	post_id	user_id	comment	comm_date	
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	1	4	comment!	2021-05-29
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	2	2	Nice (-!)	2021-05-29
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	2	3	FAT might get conducted in same way.	2021-05-29

Table Name: newsletter

Number of attributes: 7

Attribute details

<b>Name</b>	nl_id (primary key)	post_date	heading	sub_heading1	content1	sub_heading2	content 2
<b>Type</b>	int	date	varchar	varchar	varchar	varchar	varchar
<b>Extra</b>	Auto increment						

Sample Inputs













			nl_id	post_date	heading	sub_heading1	content1	sub_heading2	content2
<input type="checkbox"/>	 Edit	 Copy	 Delete	101	2020-04-19	heading 1	subheading11...	content11...	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	102	2020-05-21	heading2	subheading21	content21	subheading 22
<input type="checkbox"/>	 Edit	 Copy	 Delete	103	2020-03-19	heading3	subheading31	content31	subheading 32

Table Name: saved

Number of attributes: 3

Attribute details

<b>Name</b>	sav_id (primary key)	user_id (foreign key)	post_id (foreign key)
<b>Type</b>	int	int	int
<b>Extra</b>	Auto increment		

Sample Inputs

		sav_id	user_id	post_id
<input type="checkbox"/>	Edit  Copy  Delete	303	1	33
<input type="checkbox"/>	Edit  Copy  Delete	304	2	32
<input type="checkbox"/>	Edit  Copy  Delete	305	3	24

Table Name: likes

Number of attributes: 3

Attribute details

<b>Name</b>	id (primary key)	user_id (foreign key)	post_id (foreign key)
<b>Type</b>	int	int	int
<b>Extra</b>	Auto increment		

Sample input

+ Options

			id	user_id	post_id
<input type="checkbox"/>	Edit  Copy  Delete		254	6	3
<input type="checkbox"/>	Edit  Copy  Delete		255	3	3

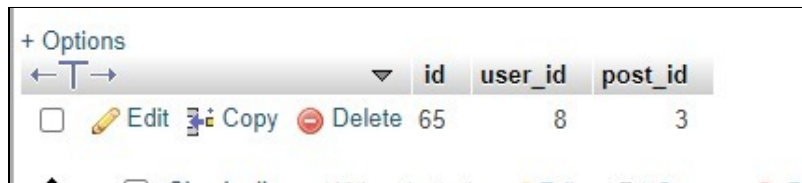
Table Name: dislikes

Number of attributes: 3

Attribute details

Name	id (primary key)	user_id (foreign key)	post_id (foreign key)
Type	int	int	int
Extra	Auto increment		

Sample input



	id	user_id	post_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	65	8	3

## CONCLUSION

This project solves the problem of unnecessary chaos caused due to circulation of fake news. The Vit Express allows users to create an account and post the news that they feel is true. The admins once they verify and approve the news is posted on the website. The users can also receive a newsletter through mail, weekly or fortnightly to know the important happenings of that period of time. The purpose of the project is to help students come together and share news and verify their news and to know the correct news.

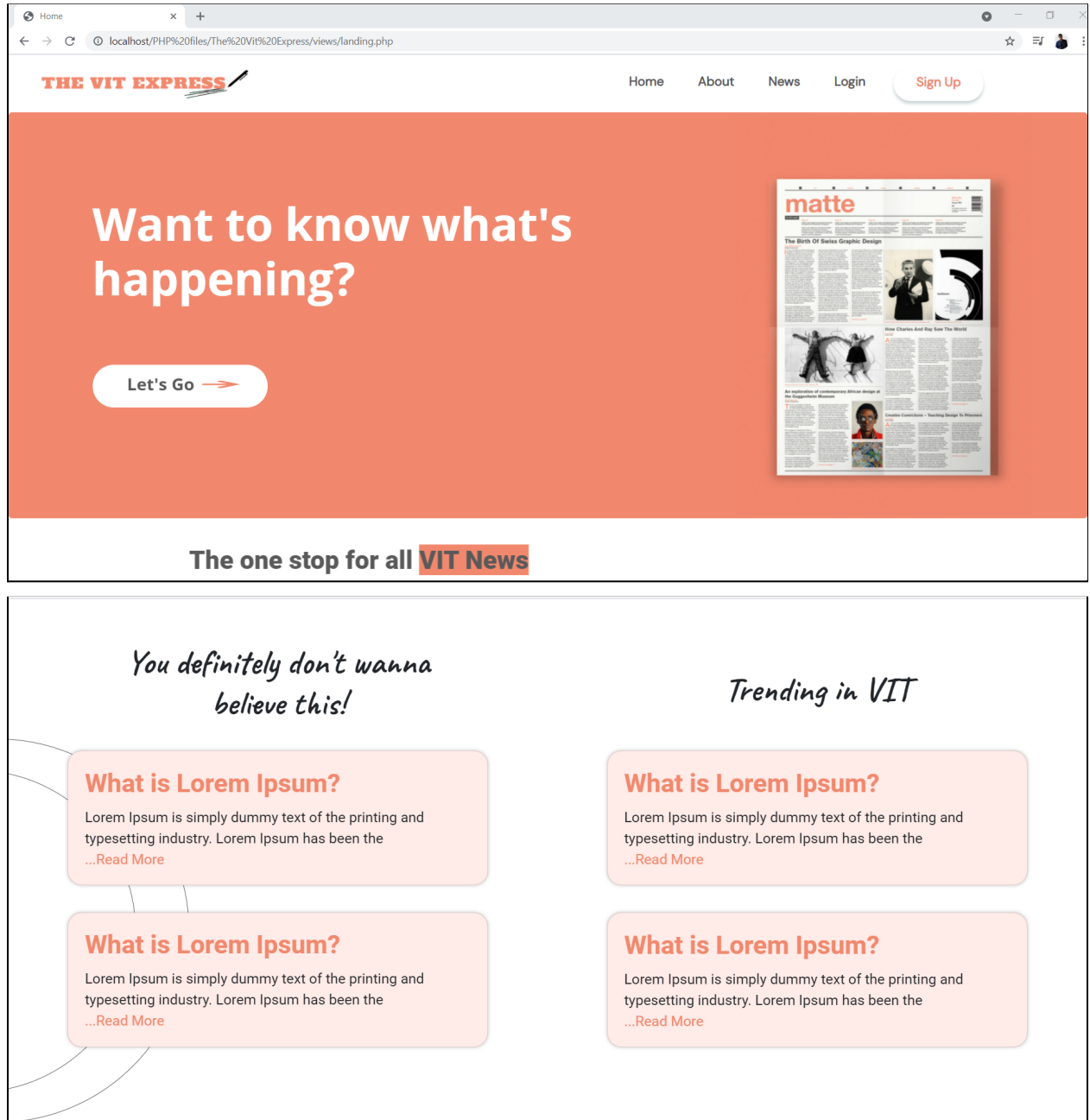
We got to explore various web technologies and online hosting services for making the project much more efficient and organized.

## REFERENCES

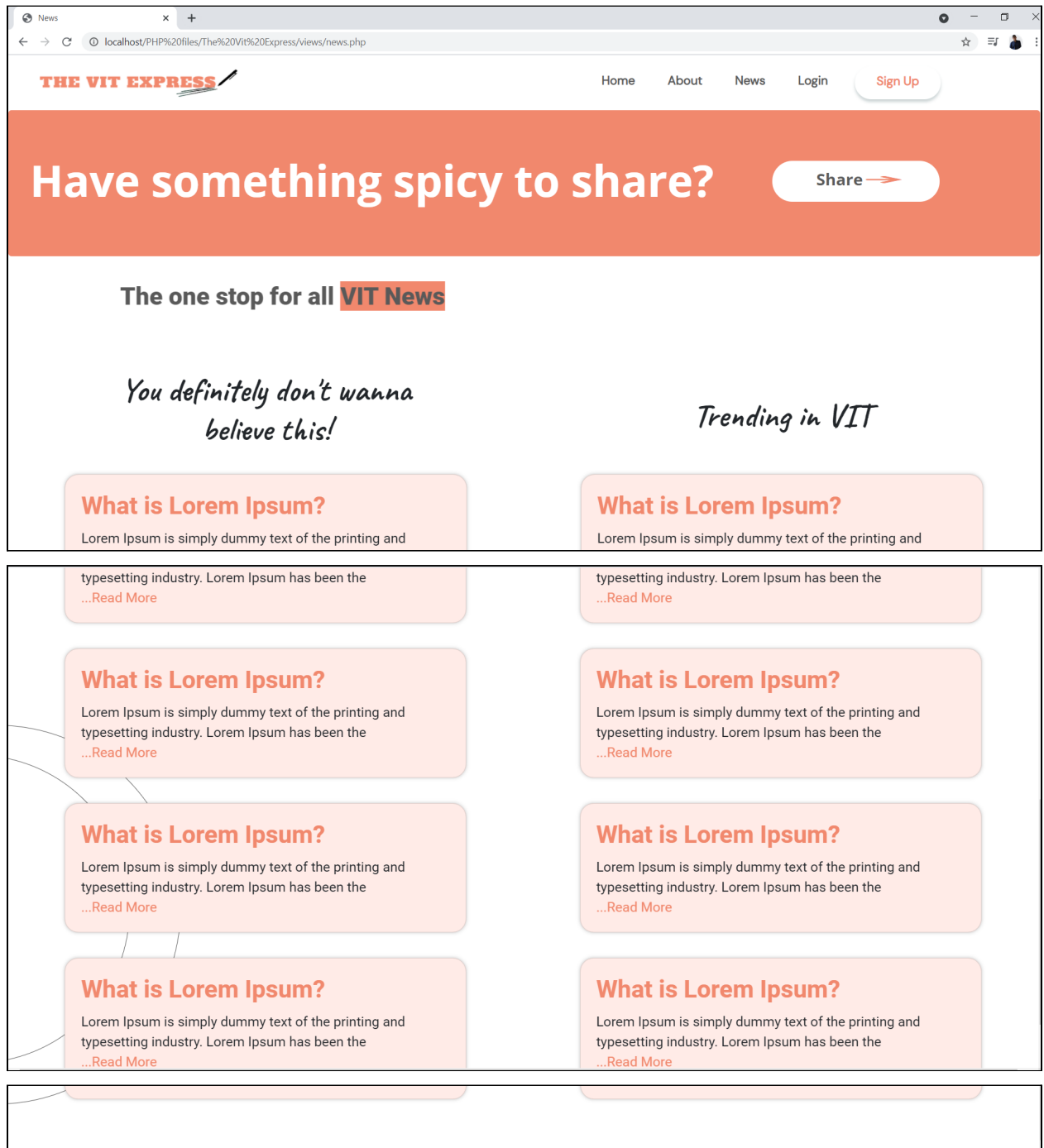
1. [https://www.w3schools.com/php/php\\_sessions.asp](https://www.w3schools.com/php/php_sessions.asp)
2. [https://www.w3schools.com/php/php\\_cookies.asp](https://www.w3schools.com/php/php_cookies.asp)
3. <https://www.sqlclusters.com/docs/mysql/>
4. <https://getbootstrap.com/docs/4.0/getting-started/introduction/>
5. [https://www.w3schools.com/php/func\\_mail\\_mail.asp](https://www.w3schools.com/php/func_mail_mail.asp)
6. [https://www.w3schools.com/php/php\\_file.asp](https://www.w3schools.com/php/php_file.asp)

# SNAPSHOTS

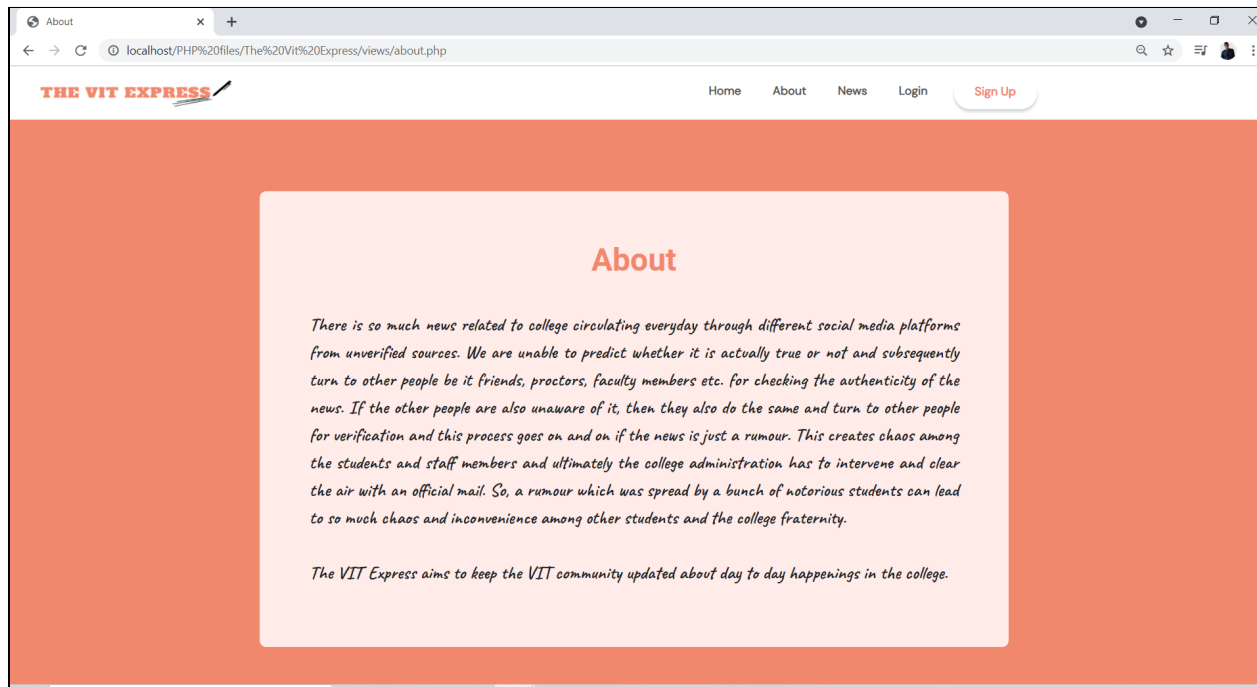
## 1. Landing Page



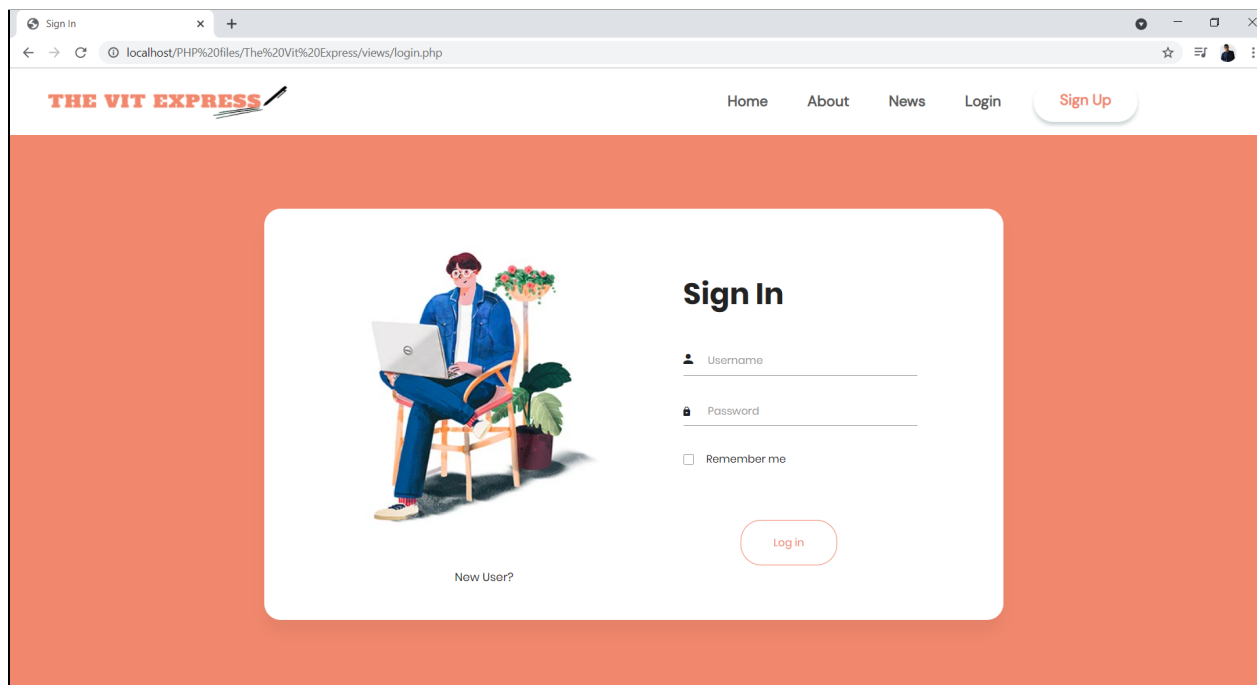
## 2. News page



### 3. About Page



### 4. Login Page



## 5. Sign Up Page

The screenshot shows a web browser window with the address bar displaying 'localhost/PHP%20files/The%20Vit%20Express/views/signup.php'. The page features a navigation bar with 'Home', 'About', 'News', 'Login', and a 'Sign Up' button. The main content area has an orange background. On the left, a white box contains the 'Sign up' form with fields for 'Your Name', 'Chose your username', 'Your Email', and 'Chose your Password'. Below these is a 'Chose your profile picture' section with a 'Choose File' button and 'No file chosen' text. A checkbox for 'I wish to subscribe to the newsletter!!' is also present. A 'Register' button is at the bottom. To the right of the form is an illustration of a desk with a laptop, a potted plant, and a pink chair. Below the illustration is the text 'I am already member'.

THE VIT EXPRESS

Home About News Login Sign Up

### Sign up

Your Name

Chose your username

Your Email

Chose your Password

Chose your profile picture

Choose File No file chosen

☐ I wish to subscribe to the newsletter!!

Register

I am already member

## 6. Profile Page

The screenshot shows a web browser window with the address bar displaying 'localhost/PHP%20files/The%20Vit%20Express/views/profile.php'. The page features a navigation bar with 'Home', 'About', 'News', 'Logout', and a 'Profile' button. The main content area has an orange background. On the left, a white box contains a profile picture of a man. To the right, an 'Information' section displays user details: 'Name Sanskar Agarwal', 'Email abc@gmail.com', 'UserName Sanskar11', and 'Saved Posts Link here'.

THE VIT EXPRESS

Home About News Logout Profile

### Information

Name Sanskar Agarwal

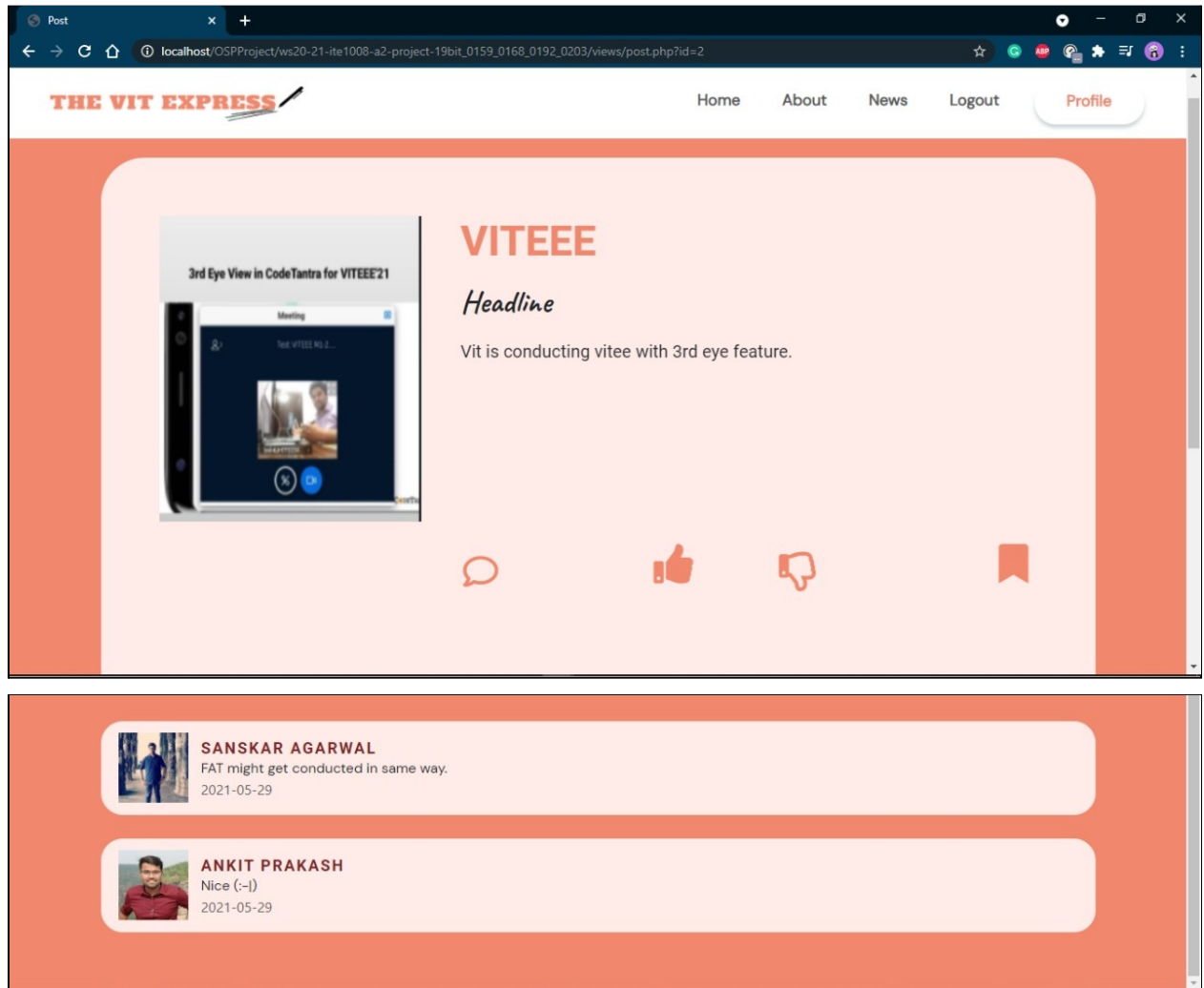
Email abc@gmail.com

UserName Sanskar11

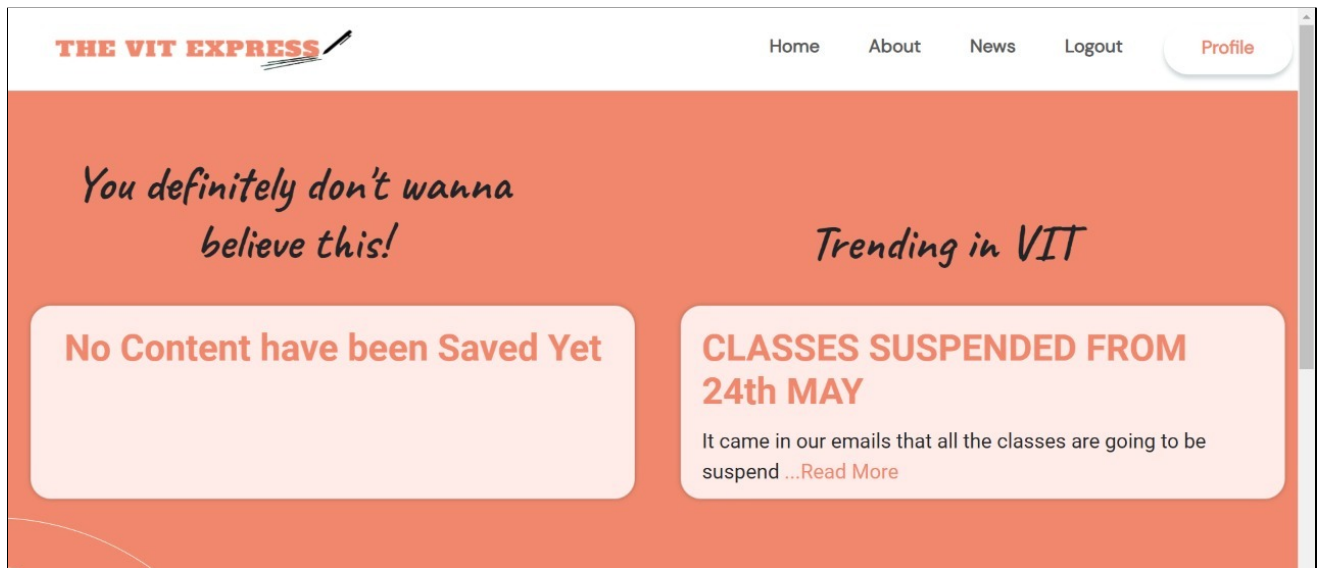
Saved Posts Link here



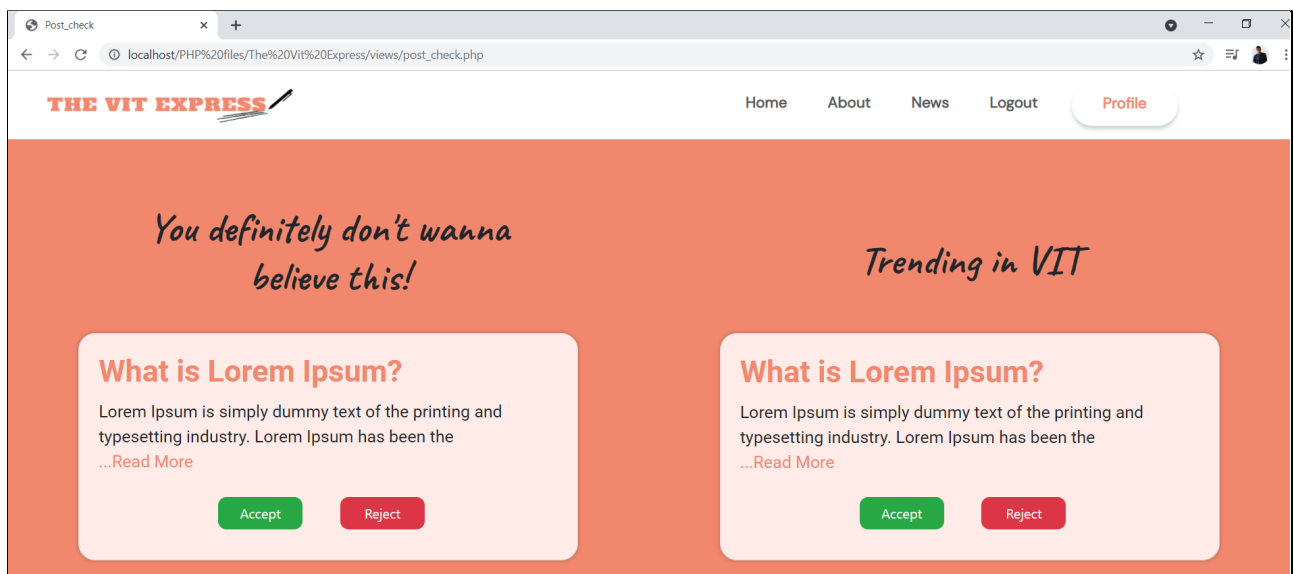
## 7. Post Page



## 8. Saved Posts Page



## 9. Post Check Page



## 10. News Post Form

The screenshot shows a web browser window with the address bar displaying 'localhost/PHP%20files/The%20Vit%20Express/views/newspost\_form.php'. The page features a navigation bar with 'THE VIT EXPRESS' logo and links for 'Home', 'About', 'News', 'Logout', and a 'Profile' button. The main content area is titled 'News Post' and contains the following form elements:

- Title :-**: A text input field with the placeholder 'Enter title'.
- Class of your news :-**: Two radio buttons labeled 'Rumour' (selected) and 'Headline'.
- Image**: A 'Choose File' button and the text 'No file chosen'.
- Post :-**: A large text area with the placeholder 'Enter you news content here'.
- Submit**: An orange button at the bottom center.

## 11. Newsletter Form

The screenshot shows a web browser window with the address bar displaying 'localhost/PHP%20files/The%20Vit%20Express/views/newsletter\_form.php'. The page features the same navigation bar as the previous form. The main content area is titled 'Newsletter Form' and contains the following form elements:

- Heading**: A text input field with the placeholder 'Enter Heading'.
- Sub heading 1**: A text input field with the placeholder 'Enter Sub-heading 1'.
- Sub heading 2**: A text input field with the placeholder 'Enter Sub-heading 2'.
- Content 1**: A text area with the placeholder 'Enter content 1'.
- Content 2**: A text area with the placeholder 'Enter content 2'.
- Submit**: An orange button at the bottom center.

## SOURCE CODE

```
<?php
    session_start();
    require_once "../config.php";
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Home</title>

    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.cs
s"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/
dAiS6JXm" crossorigin="anonymous">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@700&display=
swap" rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=DM+Sans&family=Roboto:wght@
900&display=swap" rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=Caveat:wght@700&family=Robo
to:wght@400;700&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/827465cdd7.js"
crossorigin="anonymous"></script>
    <script src="https://unpkg.com/scrollreveal"></script>
    <link rel="stylesheet" href="../public/css/landing.css">
</head>
<body>
    <nav class="navbar navbar-expand-lg row">

        <a class="navbar-brand col-lg-6" href="#">
```

```

        
    </a>

    <button class="navbar-toggler" type="button"
data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"
aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse col-lg-6" id="navbarNav">
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link home-link" href="#">Home <span
class="sr-only">(current)</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="about.php">About</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="news.php">News</a>
            </li>
            <li class="nav-item">
                <?php
                    if( empty($_SESSION['user']) )
                        echo '<a class="nav-link"
href="login.php">Login</a>';
                    else
                        echo '<a class="nav-link"
href="../../../logout.php">Logout</a>';
                ?>
            </li>
            <li class="nav-item">
                <?php
                    if( empty($_SESSION['user']) )
                        echo '<a class="nav-link btn"
href="signup.php">Sign Up</a>';
                    else if($_SESSION['username'] == 'admin')
                        echo '<a class="nav-link btn"
href="post_check.php">Check Posts</a>';
                    else

```

```

                                echo '<a class="nav-link btn"
href="profile.php">Profile</a>';
                                ?>
                                </li>
                                </ul>
                                </div>
                                </nav>
                                <div id="main">
                                <div class="jumbotron">
                                <div class="jumb-content">
                                <h1 class="display-4">Want to know what's
<br>happening?</h1>
                                <p class="lead">
                                <a class="btn btn-lg" href="news.php"
role="button">Let's Go <i class="fas fa-arrow-right"></i></a>
                                </p>
                                </div>
                                
                                </div>
                                <marquee behavior="alternate" direction="left" class="tag">
                                The one stop for all <span class="inner-marquee">VIT
News</span>
                                </marquee>
                                </div>
                                <div id="news" style="margin-left:-50px;">
                                <div class="rumour">
                                <h2 class="rumour-heading">You definitely don't wanna
<br>believe this!</h2>
                                <?php
                                $i = 1;
                                $sql = "select * from posts where approval=1 and
class='Rumour' order by likes DESC";
                                $result = mysqli_query($conn, $sql);
                                $num = mysqli_num_rows($result);
                                if($num == 0) {
                                echo '<h4 align="center" class="card card-title">No
Content have been Approved Yet</h4>';

```

```

    }

    while($row = mysqli_fetch_assoc($result)) {
        $post_id = $row['post_id'];
        $user_id = $row['user_id'];
        $class = $row['class'];
        $title = $row['title'];
        $content = $row['content'];
        $image = $row['image'];
        if($i <= 4) {
            ?>
                <div class="card rumour_left">
                    <h4 class="card-title"><?php echo
$title?></h4>
                    <p class="card-text">
                        <?php echo substr($content,0,66); ?>
                        <a href="post.php?id=<?php echo
$row['post_id']; ?>" class="post-link">...Read More</a>
                    </p>
                </div>

                <?php
                    $i++;
                }
            ?>
        </div>
        <div class="inner-circle"></div>
        <div class="outer-circle"></div>
        <div class="headlines" style="margin-left:-20px;margin-top:30px;">
            <h2 class="headlines-heading"
style="margin-top:-30px;">Trending in VIT</h2><br><br>
            <?php
                $i = 1;
                $sql = "select * from posts where approval = 1 and class =
'Headline' order by likes DESC";
                $result = mysqli_query($conn,$sql);
                $num = mysqli_num_rows($result);
                if($num == 0) {
                    echo '<h4 align="center" class="card card-title">No
Content have been Approved Yet</h4>';

```

```

    }
    while($row = mysqli_fetch_assoc($result)) {
        $post_id = $row['post_id'];
        $user_id = $row['user_id'];
        $class = $row['class'];
        $title = $row['title'];
        $content = $row['content'];
        $image = $row['image'];
        if($i<=4) {

?>

            <div class="card top-card">
                <h4 class="card-title"><?php echo
$title?></h4>

                <p class="card-text">
                    <?php echo substr($content,0,66); ?>
                    <a href="post.php?id=<?php echo
$row['post_id']; ?>" class="post-link">...Read More</a>

                </p>
            </div>

            <?php
                $i++;
            }
        }
    ?>

</div>
</div>
</body>

<script
                                src="../../../public/javascript/landing.js"
type="text/javascript"></script>
</html>

```