



# Sri Lanka Institute of Information Technology

## B.Sc. Honors Degree in Information Technology

Specialized in Software Engineering

Final Examination

Year 3, Semester 1 (2021)

SE3040 – Application Frameworks

Group Project

User Guide

Group ID: 2021S1\_REG\_WD\_06

Group Name: 2021S1\_REG\_WD\_06

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Student ID	Student Name
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IT19186634	Mannage G.
IT19163482	Fernando M.P.A.

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Repository Link: <https://github.com/raveena69/AF-Group-Project-2021.git>

# User Guide

1. To run the MERN stack project in your computer, first you have to Open your terminal and then type:

```
$ git clone https://github.com/raveena69/AF-Group-Project-2021.git
```

2. Next, navigate to the relevant folder, enter:

```
cd AF-Group-Project-2021
```

3. Next, to install node modules enter:

```
$ npm install
```

This installs the required dependencies.

4. To run the frontend, enter:

```
$ npm start
```

5. Next, to run the backend navigate to the server folder, enter:

```
cd server
```

6. Next, to install node modules enter:

```
$ npm install
```

This installs the required dependencies.

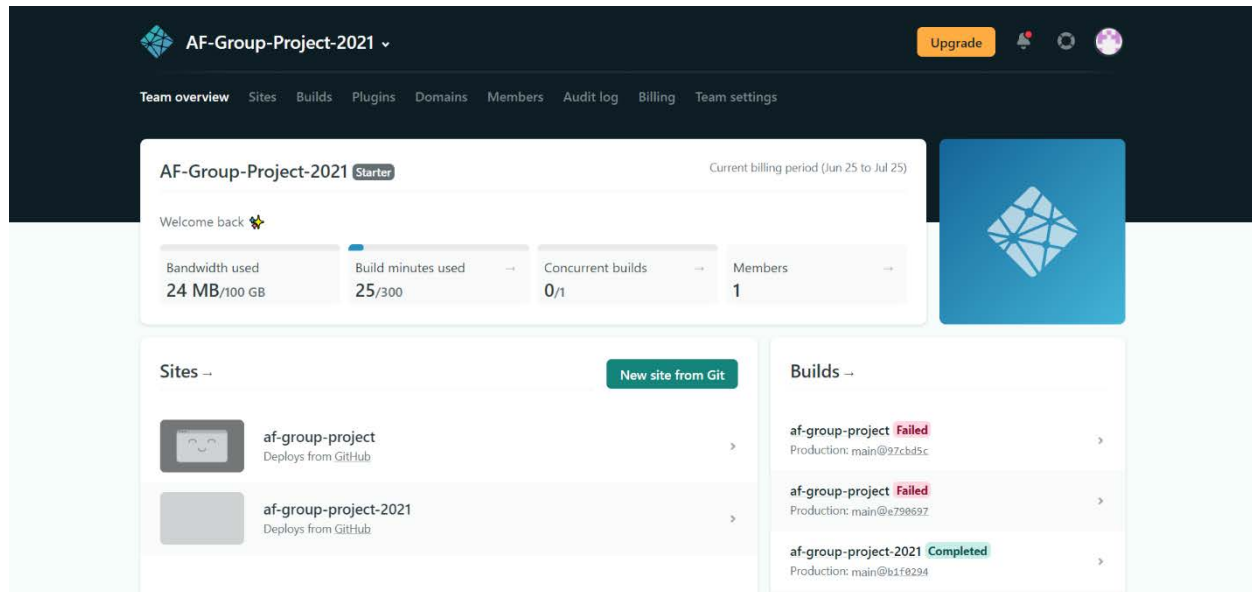
7. To run the backend, enter:

```
$ npm start
```

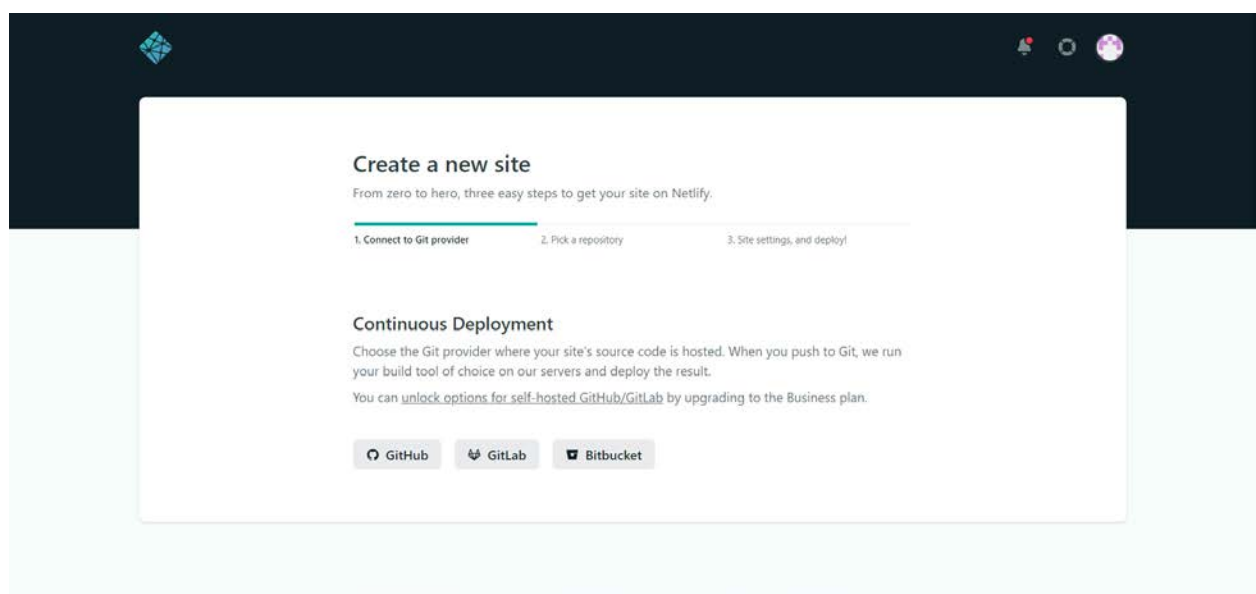
# Steps to follow when deploying the project to the cloud [Using Netlify]

To deploy the project to cloud you must push this project to GitHub and, then you just need to connect it.

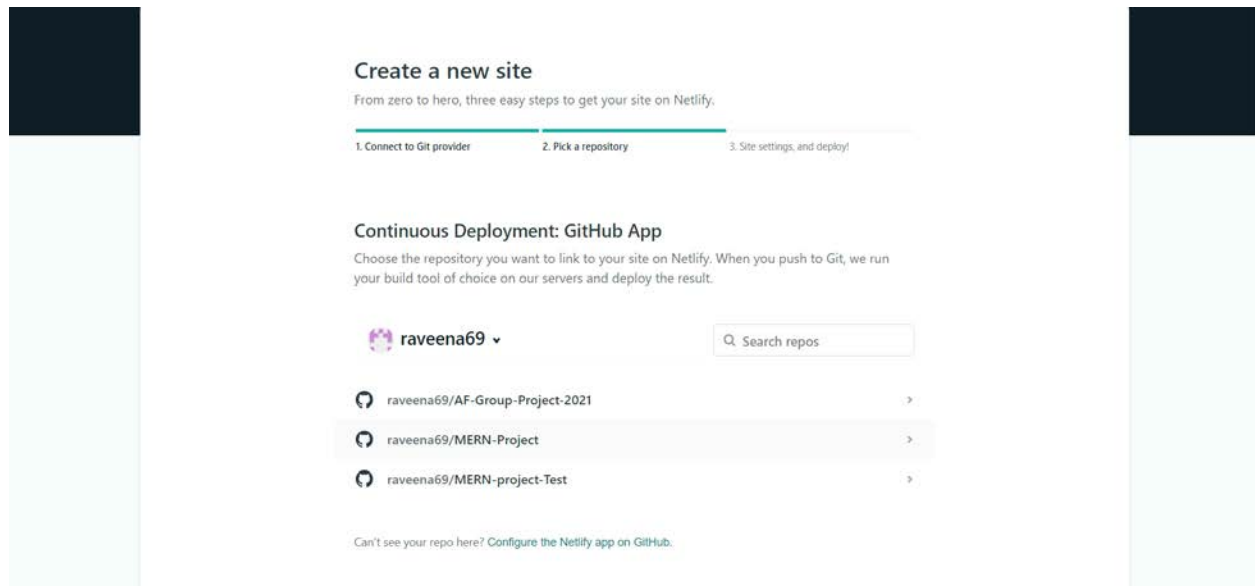
Login to your Netlify account. In the dashboard, click on the New site from Git button.



Click on the GitHub button to connect your GitHub repository.



It will open a new tab. Make sure the popup is enabled in your browser.

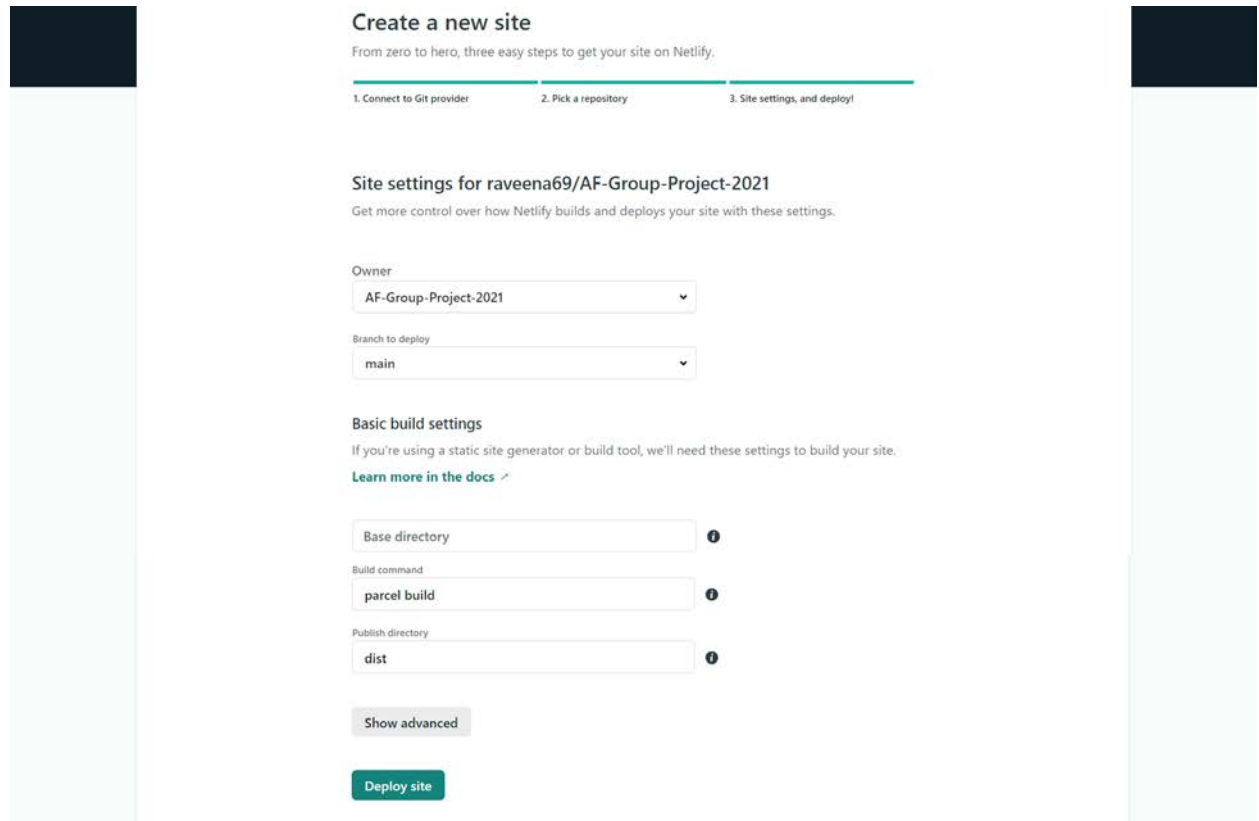


Search for the GitHub repository in the Search repos search box. If your repository is not getting displayed, then click on the Configure the Netlify app on GitHub button at the bottom of the page.

Once clicked, scroll down on the page, and click on the Select repositories dropdown and search for your repository and click on the Save button.

You will be redirected to the previous page showing all the available repositories. Search for the repository you want to deploy.

Once you select the repository, you will see the following screen:



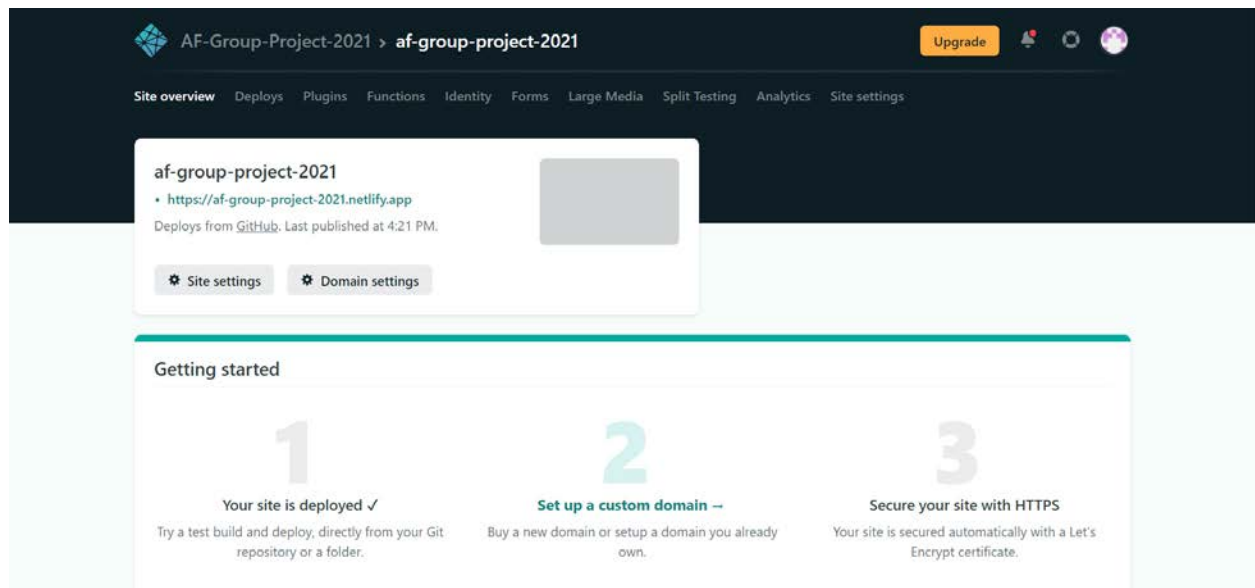
The screenshot displays the Netlify 'Create a new site' configuration page. At the top, a progress bar indicates three steps: '1. Connect to Git provider', '2. Pick a repository', and '3. Site settings, and deploy!'. The current step is '3. Site settings, and deploy!'. Below this, the title is 'Site settings for raveena69/AF-Group-Project-2021' with a subtitle 'Get more control over how Netlify builds and deploys your site with these settings.' The settings are organized into sections: 'Owner' with a dropdown menu showing 'AF-Group-Project-2021'; 'Branch to deploy' with a dropdown menu showing 'main'; 'Basic build settings' with a note 'If you're using a static site generator or build tool, we'll need these settings to build your site.' and a link 'Learn more in the docs'. Below this are three input fields: 'Base directory' (empty), 'Build command' (populated with 'parcel build'), and 'Publish directory' (populated with 'dist'). Each of these three fields has an information icon to its right. At the bottom of the settings section is a 'Show advanced' button. At the very bottom is a green 'Deploy site' button.

For this application, we do not need to change anything.

Your Build command and Publish directory will be automatically populated. Make sure to enter these fields if you have a different command in package.json to build your app or those fields are not auto-populated.

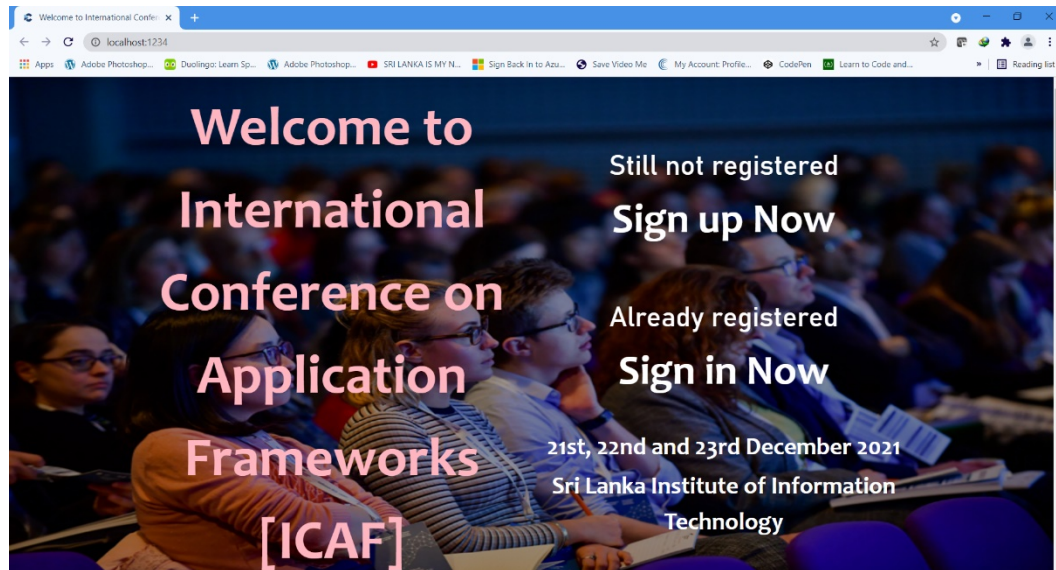
Now, click on the Deploy site button.

Open the link in the new tab and you will see your application deployed live.



# User Interface Navigation

## Home Page



### About Our Conference

#### 1st International Conference in Application Frameworks 2021 [ICAF]

The 1st International Conference on Application Frameworks [ICAF] is organized by the Faculty of Computing of the Sri Lanka Institute of Information Technology (SLIIT) as an open forum for academics along with industry professionals to present the latest findings and research output and practical deployments in the Computer Science and Information Technology domains. Primary objective of the ICAF is to uplift the research culture and the quality of research done by Sri Lankan researchers. This conference will create a platform for national and international researchers to showcase their research output, networking opportunities to discuss innovative ideas, and initiate collaborative work. ICAF 2019 and ICAF 2020 were successfully conducted with a technical co-sponsorship by IEEE Sri Lanka Section and all publications are available in IEEE Xplore digital library.

December 21 - 23, 2021 in Sri Lanka Institute of Information Technology

### Keynote Speakers



PROF. Amelia Margaret  
Department of Software Engineering,  
Faculty of Science and Technology,  
London University.



PROF. George Smith  
Department of Information System,  
Faculty of Computing,  
University of Birmingham.



PROF. Thomas Wilson  
Department of Computer Science,



Dr. Elizabeth Brown  
Department of Information

## Topics

- Intelligent Automation
- AI and Decisioning
- Low-Code Development
- Operational Excellence
- Cloud Computing
- Robotic Process Automation
- UX and Design
- Digital Transformation
- Latest Technologies



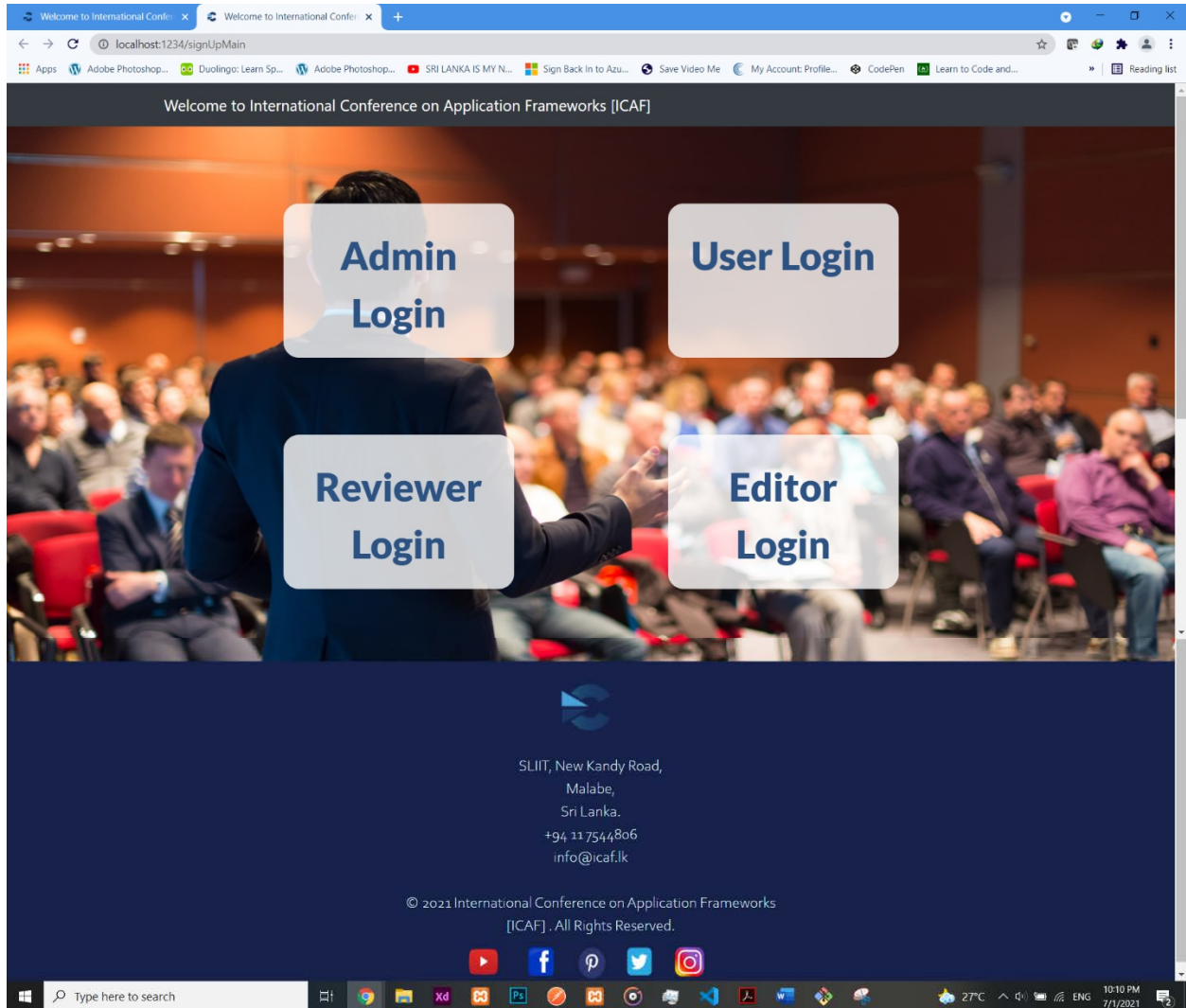
SLIIT, New Kandy Road,  
Malabe,  
Sri Lanka.  
+94 11 7544806  
info@icaf.lk

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[ICAF] . All Rights Reserved.

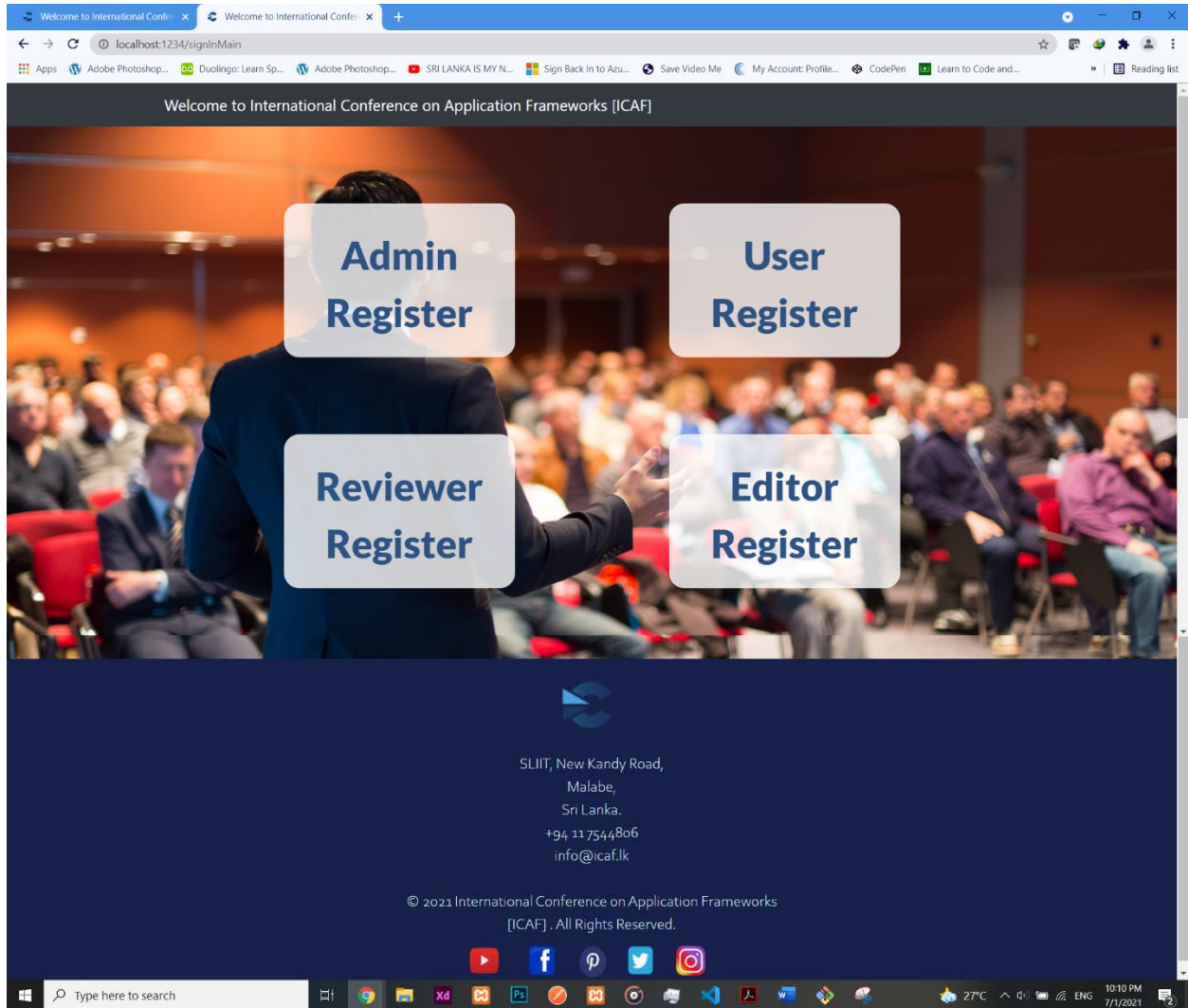




## SignUpMain Page

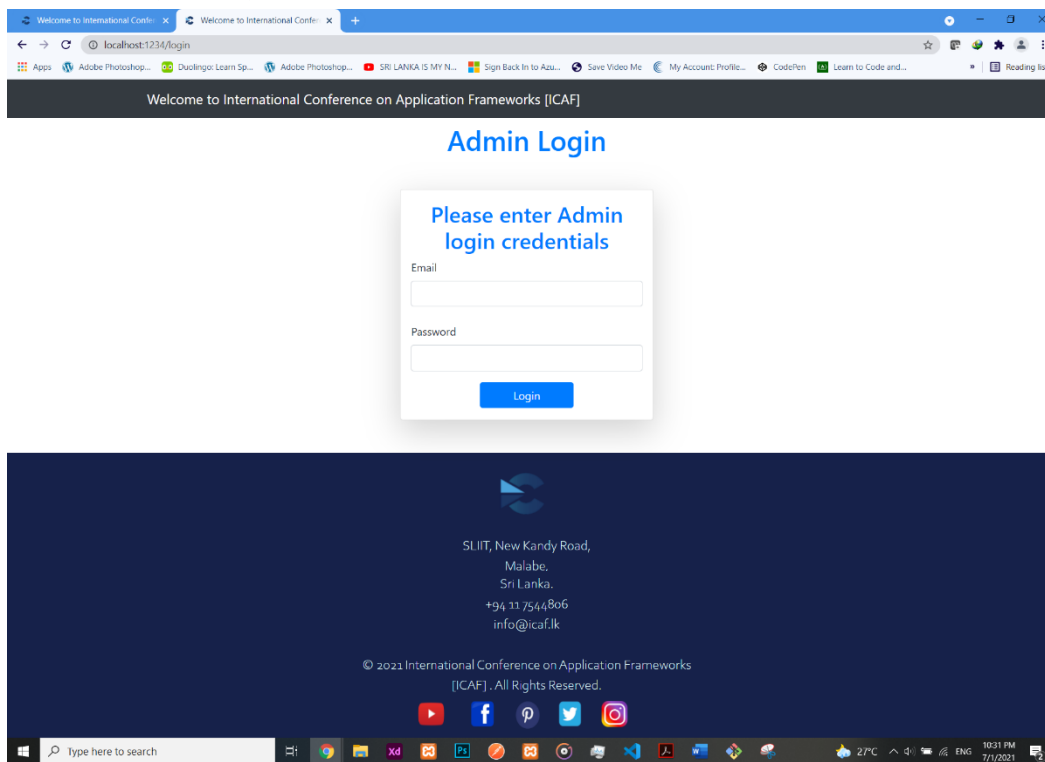


## SignInMain Page



## Admin - User Interface Navigation

### Admin Login Page



The screenshot shows a web browser window with the URL `localhost:1234/login`. The page has a dark blue header with the text "Welcome to International Conference on Application Frameworks [ICAF]". Below the header, the title "Admin Login" is displayed in blue. A white login form is centered on the page, containing the text "Please enter Admin login credentials". The form has two input fields: "Email" and "Password", and a blue "Login" button. Below the login form, there is a dark blue footer area with a logo, contact information for SLIIT, New Kandy Road, Malabe, Sri Lanka, and a phone number +94 11 7544806. The footer also includes a copyright notice for 2021 International Conference on Application Frameworks [ICAF] and social media icons for YouTube, Facebook, Pinterest, Twitter, and Instagram. The Windows taskbar is visible at the bottom of the screen.

Welcome to International Conference on Application Frameworks [ICAF]

### Admin Login

Please enter Admin login credentials

Email

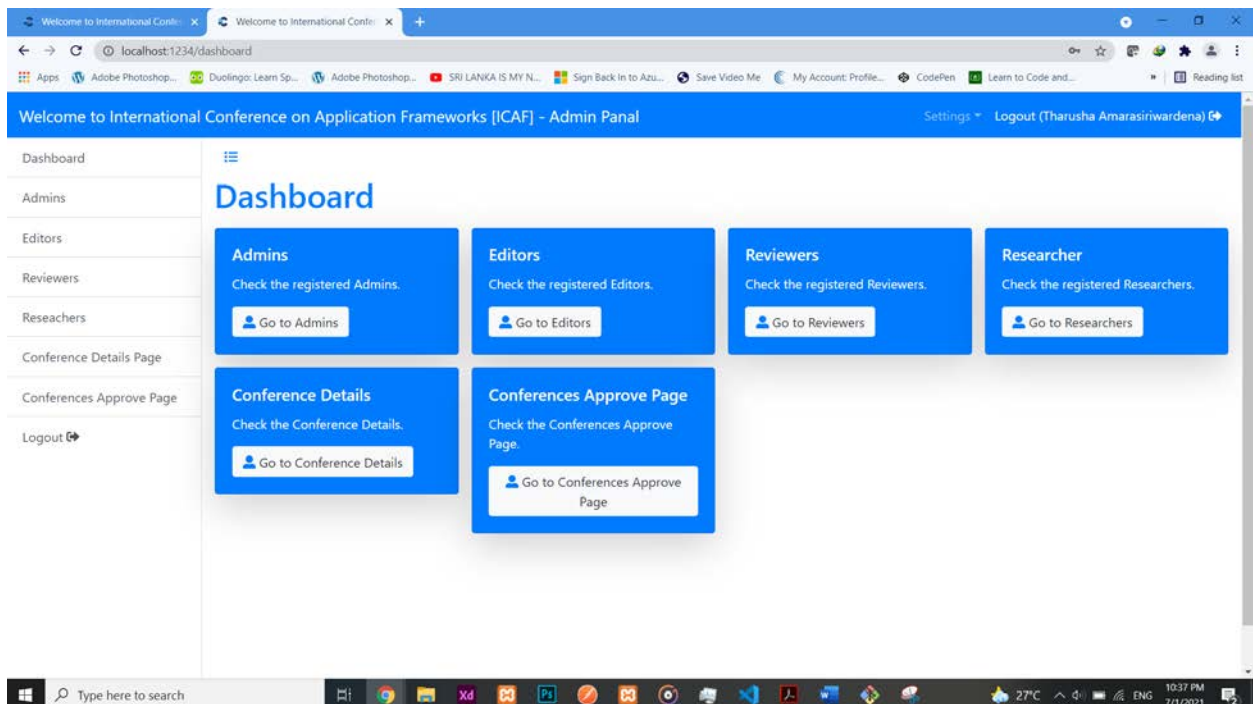
Password

Login

SLIIT, New Kandy Road,  
Malabe,  
Sri Lanka.  
+94 11 7544806  
info@icaf.lk

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[ICAF]. All Rights Reserved.

### Admin Dashboard Page



The screenshot shows a web browser window with the URL `localhost:1234/dashboard`. The page has a dark blue header with the text "Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel". Below the header, there is a sidebar menu on the left with the following items: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area is titled "Dashboard" and contains six blue cards with white text and buttons. The cards are: Admins (Check the registered Admins, Go to Admins), Editors (Check the registered Editors, Go to Editors), Reviewers (Check the registered Reviewers, Go to Reviewers), Researcher (Check the registered Researchers, Go to Researchers), Conference Details (Check the Conference Details, Go to Conference Details), and Conferences Approve Page (Check the Conferences Approve Page, Go to Conferences Approve Page). The Windows taskbar is visible at the bottom of the screen.

Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel

Settings Logout (Tharusha Amarasiwardena)

Dashboard

Admins

Check the registered Admins.

Go to Admins

Editors

Check the registered Editors.

Go to Editors

Reviewers

Check the registered Reviewers.

Go to Reviewers

Researcher

Check the registered Researchers.

Go to Researchers

Conference Details

Check the Conference Details.

Go to Conference Details

Conferences Approve Page

Check the Conferences Approve Page.

Go to Conferences Approve Page

## Admins List Page

The screenshot shows the 'Admins List' page in the 'Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel'. The page features a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of administrators with columns for Id, Name, Email, Date, and Action. There are 5 records shown, with pagination controls at the bottom indicating 'Showing 1 to 5 of 5 records'. A '+ Add Admin' button is located in the top right corner of the main content area.

Id	Name	Email	Date	Action
60dc151230a5912f60c0fc11	Raveena Amarasiwardena	raveena1996@gmail.com	2021-07-01T17:11:33.073Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dc1e4330a5912f60c0fc19	Tharusha Amarasiwardena	tharusha2001@gmail.com	2021-07-01T17:11:33.074Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dc1e6d30a5912f60c0fc1d	Anuhas Amarasingha	anuhas@gmail.com	2021-07-01T17:11:33.075Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dc50937eb6603094029313	Nipuni	nipuni1996@gmail.com	2021-06-30T11:08:03.309Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dc9d82d32b4627305f0489	Sachini2	sachini96@gmail.com	2021-06-30T16:36:18.749Z	<a href="#">Edit</a> <a href="#">Delete</a>

## Editors List Page

The screenshot shows the 'Editors List' page in the 'Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel'. The page features a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of editors with columns for Id, First Name, Last Name, Email, Username, and Action. There are 4 records shown, with pagination controls at the bottom indicating 'Showing 1 to 4 of 4 records'. A '+ Add Editor' button is located in the top right corner of the main content area.

Id	First Name	Last Name	Email	Username	Action
60b1ea7c7f3c145b982f683e	Nethmi	Perera	nethmi076@gmail.com	nethmi	<a href="#">Edit</a> <a href="#">Delete</a>
60d9f763d2e833286c65b1df	Neha	Weerathunga	neha99@gmail.com	neha99	<a href="#">Edit</a> <a href="#">Delete</a>
60dbf6b5d8e747436c427fb0	Nethuli1	Jayawardena	nethuz7@gmail.com	nethuz	<a href="#">Edit</a> <a href="#">Delete</a>
60dd5761af65ea3c50cd05ab	Mehansa	Siriwardena	meha96@gmail.com	meha96	<a href="#">Edit</a> <a href="#">Delete</a>

## Reviewers List Page

The screenshot shows the 'Reviewers List' page in the 'Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel'. The page features a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of reviewers with columns: Id, First Name, Last Name, Email, Username, and Action. There are 3 records shown. A filter input and pagination controls are also present.

Id	First Name	Last Name	Email	Username	Action
60dd465481685f18045f28c0	supuni	Perera	supuni@gmail.com	supuni	<a href="#">Edit</a> <a href="#">Delete</a>
60dd479381685f18045f28c5	varuni	Fernando	varuni@gmail.com	varuni	<a href="#">Edit</a> <a href="#">Delete</a>
60dd55e78115a433445d0a24	Piyumi	Fernando	piyumi@gmail.com	piyumi	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 3 of 3 records

First Previous 1 Next Last

## Researcher List Page

The screenshot shows the 'Researcher List' page in the 'Welcome to International Conference on Application Frameworks [ICAF] - Admin Panel'. The page features a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of researchers with columns: Id, Name, Email, ContactNo, and Action. There is 1 record shown. A filter input and pagination controls are also present.

Id	Name	Email	ContactNo	Action
60dc727414cd8a5ea7eaed46	Sam Perera	sam123@gmail.com	774567298	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 1 of 1 records

First Previous 1 Next Last



## Conferences List Page

The screenshot shows the 'Conferences List' page in the Admin Panel. The page has a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of conferences with columns: Id, GuestSpeaker, Time, Description, Date, and Action. There are 4 records shown. A filter input and pagination controls are also present.

Id	GuestSpeaker	Time	Description	Date	Action
60b3553fda072b569c9a1a2b	Mrs.Vihara	10.00AM	AI webinar	2021-05-30T09:05:03.622Z	<a href="#">Edit</a> <a href="#">Delete</a>
60da885b4f82f83e88a60e04	Nimal De Silva	08:15	Machine learning	2021-06-30T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>
60daaa6610c4d2f60eaf600	Shanuli Navanjana	01:37	Docker and heroku	2021-07-01T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dbf085c5eb56183c1b4d6c	Dr.Wimal Jayakodi	10:47	AWS services	2021-07-03T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 4 of 4 records

First Previous 1 Next Last

## Approve Status of the Conferences Page

The screenshot shows the 'Approve Status of the Conferences' page in the Admin Panel. The page has a sidebar with navigation links: Dashboard, Admins, Editors, Reviewers, Researchers, Conference Details Page, Conferences Approve Page, and Logout. The main content area displays a table of conferences with columns: Id, GuestSpeaker, Time, Description, Status, Date, and Action. There are 4 records shown. A filter input and pagination controls are also present.

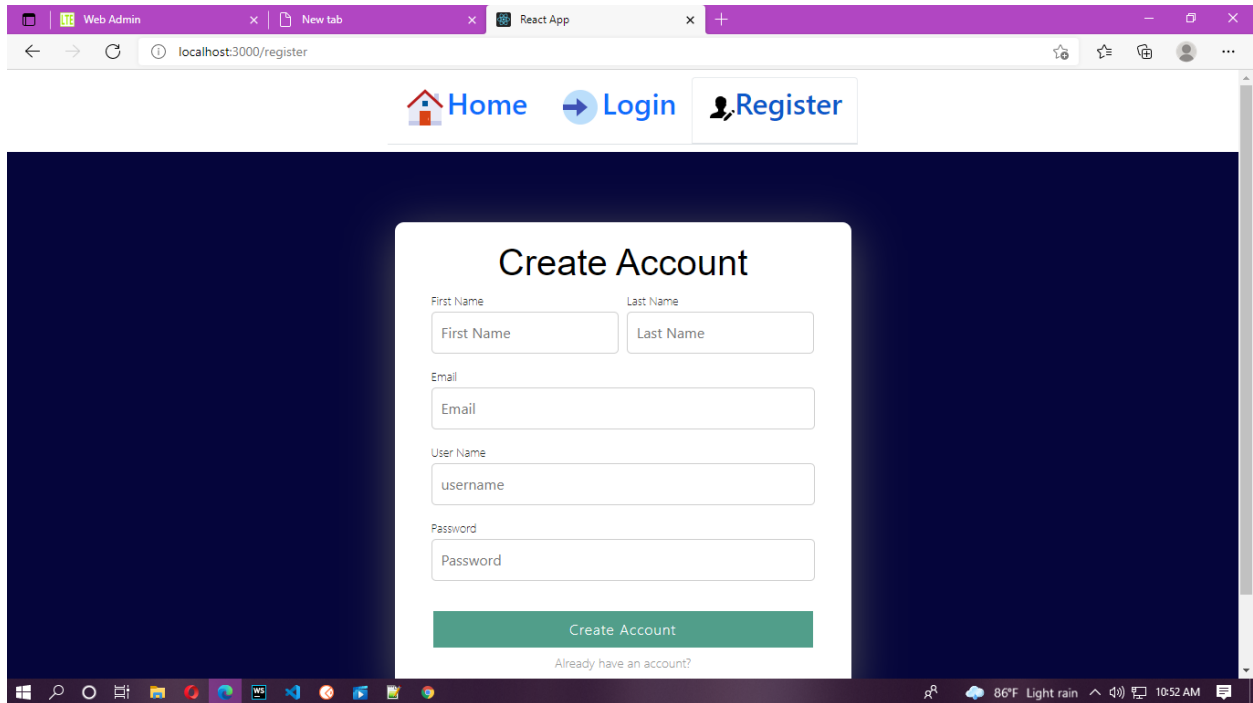
Id	GuestSpeaker	Time	Description	Status	Date	Action
60b3553fda072b569c9a1a2b	Mrs.Vihara	10.00AM	AI webinar		2021-05-30T09:05:03.622Z	<a href="#">Edit</a> <a href="#">Delete</a>
60da885b4f82f83e88a60e04	Nimal De Silva	08:15	Machine learning		2021-06-30T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>
60daaa6610c4d2f60eaf600	Shanuli Navanjana	01:37	Docker and heroku		2021-07-01T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>
60dbf085c5eb56183c1b4d6c	Dr.Wimal Jayakodi	10:47	AWS services		2021-07-03T00:00:00.000Z	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 1 to 4 of 4 records

First Previous 1 Next Last

## Editor - User Interface Navigation

### Editor Register Page



The screenshot shows a web browser window with the URL `localhost:3000/register`. The browser's address bar and tabs are visible at the top. The page features a dark blue background with a white navigation bar at the top containing three links: "Home" (with a house icon), "Login" (with a right arrow icon), and "Register" (with a person icon). The "Register" link is highlighted. In the center of the page is a white "Create Account" form. The form includes input fields for "First Name", "Last Name", "Email", "User Name" (with the placeholder text "username"), and "Password". Below these fields is a green "Create Account" button. At the bottom of the form, there is a link that says "Already have an account?". The Windows taskbar is visible at the bottom of the screen, showing the time as 10:52 AM and the weather as 86°F with light rain.

Web Admin x New tab x React App x

localhost:3000/register

Home Login Register

### Create Account

First Name Last Name

Email

User Name

username

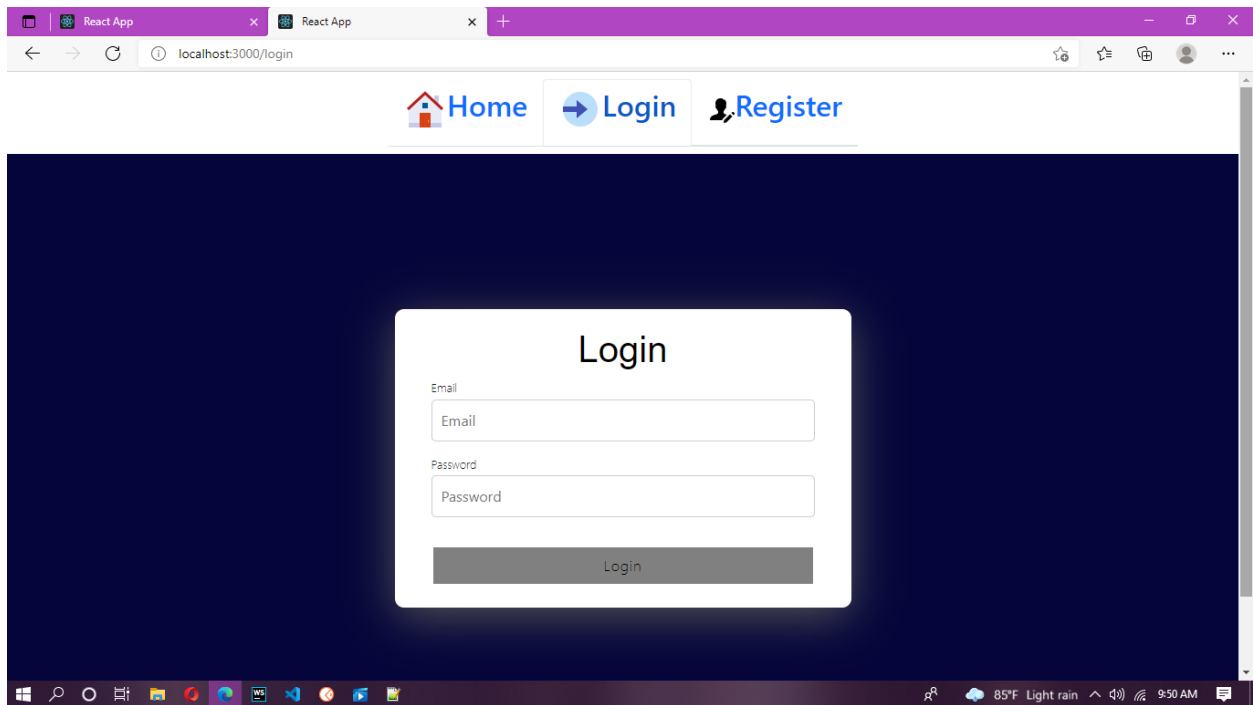
Password

Create Account

Already have an account?

86°F Light rain 10:52 AM

### Editor Login Page



The screenshot shows a web browser window with the URL `localhost:3000/login`. The browser's address bar and tabs are visible at the top. The page features a dark blue background with a white navigation bar at the top containing three links: "Home" (with a house icon), "Login" (with a right arrow icon), and "Register" (with a person icon). The "Login" link is highlighted. In the center of the page is a white "Login" form. The form includes input fields for "Email" and "Password". Below these fields is a grey "Login" button. The Windows taskbar is visible at the bottom of the screen, showing the time as 9:50 AM and the weather as 85°F with light rain.

React App x React App x

localhost:3000/login

Home Login Register

### Login

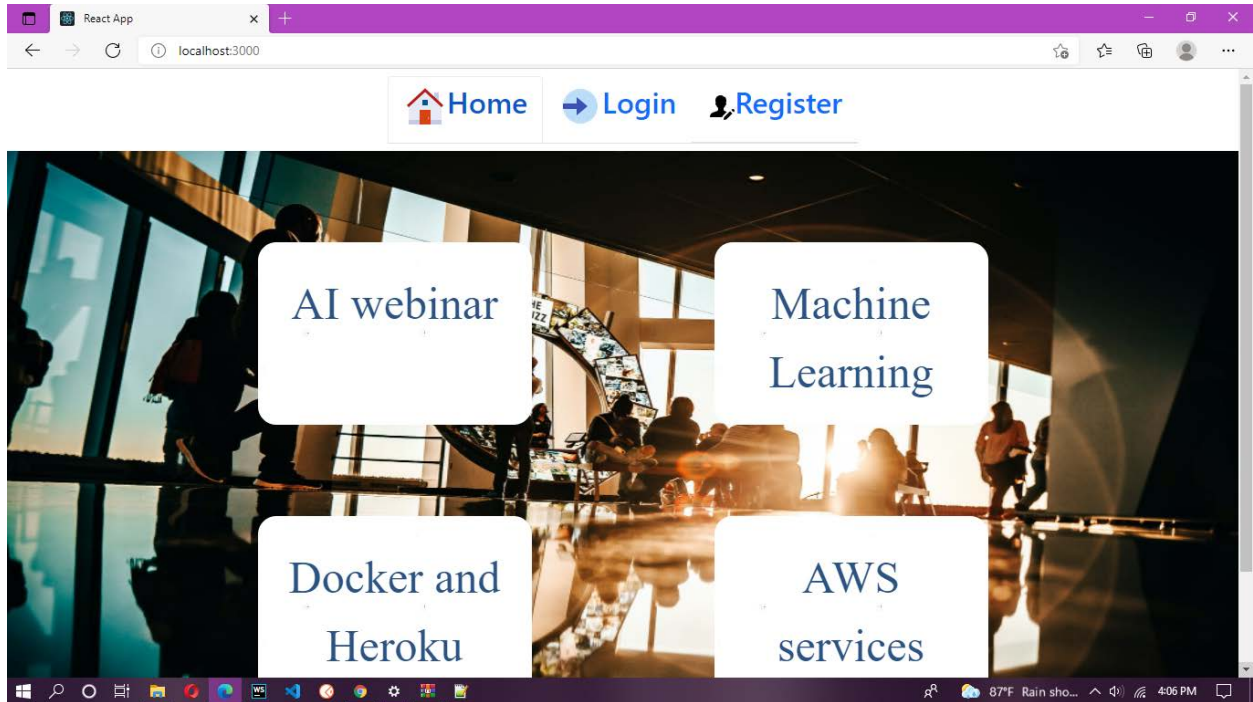
Email

Password

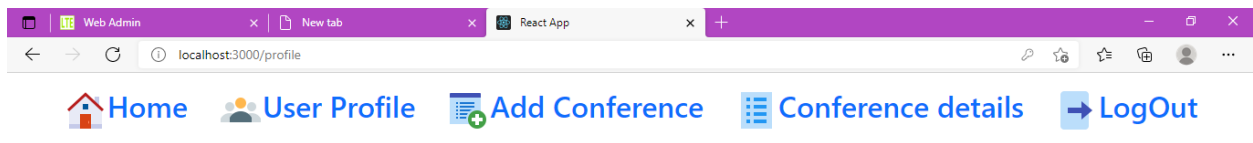
Login

85°F Light rain 9:50 AM

## Editor Home Page



## Editor Profile Page



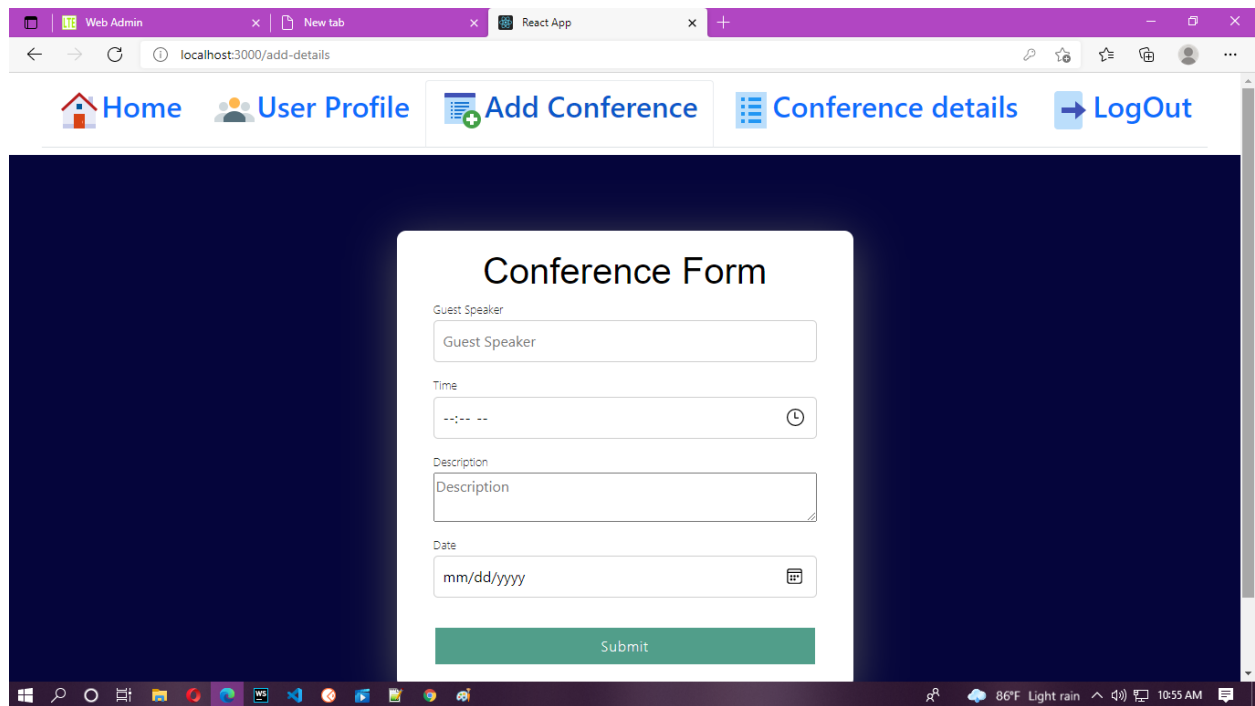
### Editor Profile

First Name Neha  
Last Name Weerathunga  
Email neha99@gmail.com





## Conference Register Page

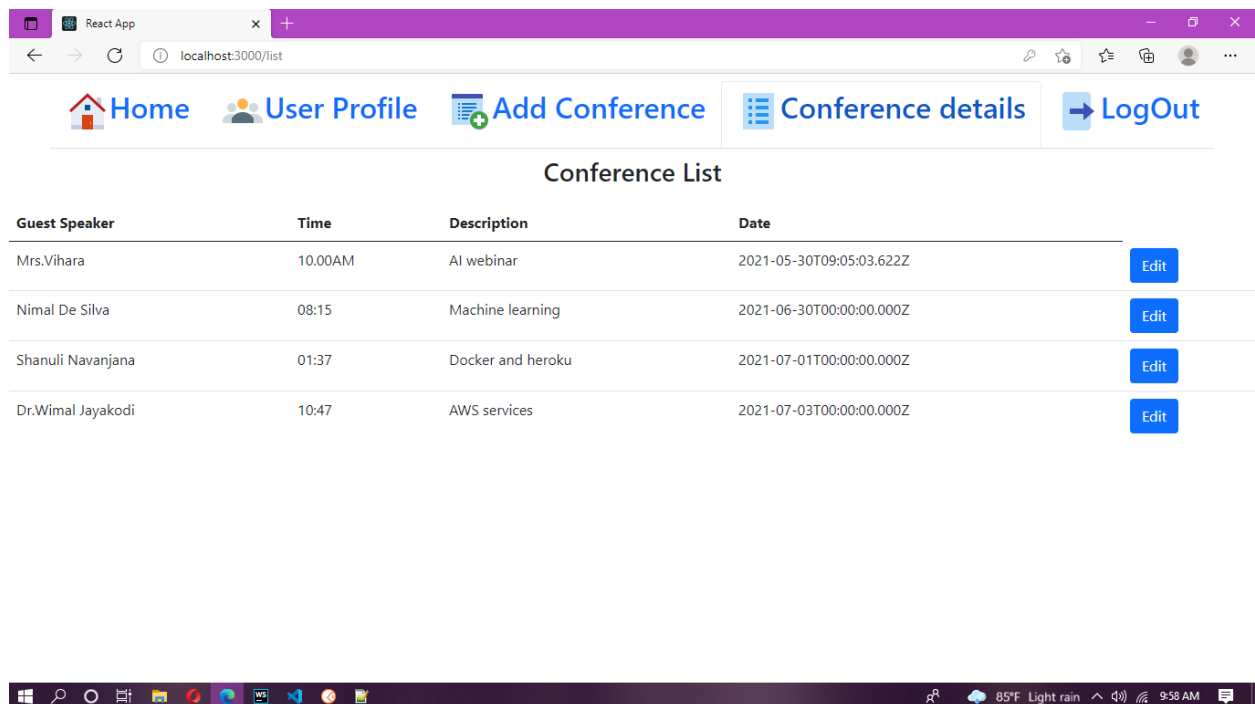


The screenshot shows a web browser window with the URL `localhost:3000/add-details`. The page has a navigation bar with links: Home, User Profile, Add Conference, Conference details, and LogOut. The main content area is a dark blue background with a white form titled "Conference Form". The form contains the following fields:

- Guest Speaker:
- Time:
- Description:
- Date:

A green "Submit" button is at the bottom of the form. The Windows taskbar at the bottom shows the time as 10:55 AM.

## Conference List Page



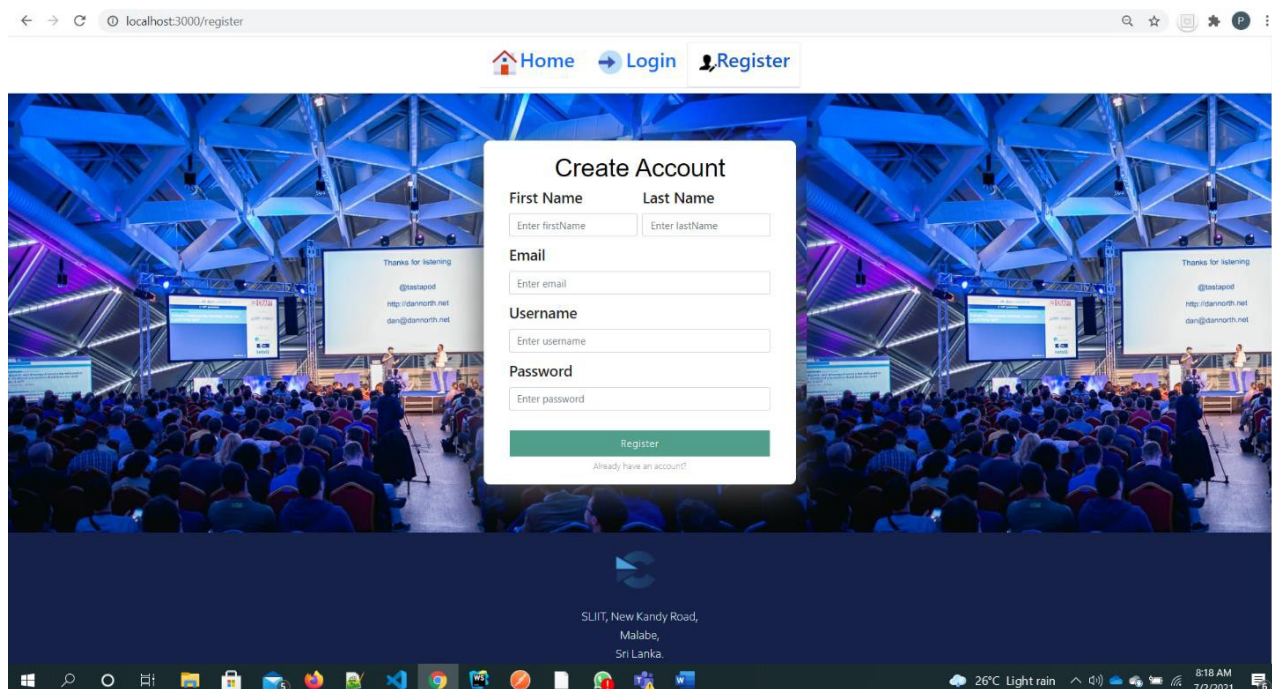
The screenshot shows a web browser window with the URL `localhost:3000/list`. The page has the same navigation bar as the previous page. The main content area is a dark blue background with a white table titled "Conference List".

Guest Speaker	Time	Description	Date	
Mrs.Vihara	10.00AM	AI webinar	2021-05-30T09:05:03.622Z	<button>Edit</button>
Nimal De Silva	08:15	Machine learning	2021-06-30T00:00:00.000Z	<button>Edit</button>
Shanuli Navanjana	01:37	Docker and heroku	2021-07-01T00:00:00.000Z	<button>Edit</button>
Dr.Wimal Jayakodi	10:47	AWS services	2021-07-03T00:00:00.000Z	<button>Edit</button>

The Windows taskbar at the bottom shows the time as 9:58 AM.

## Reviewer - User Interface Navigation

### Reviewer Register Page



The screenshot shows a web browser at localhost:3000/register. The page features a navigation bar with 'Home', 'Login', and 'Register' links. The background is a large image of a conference hall. A 'Create Account' form is centered, with fields for First Name, Last Name, Email, Username, and Password. A 'Register' button is at the bottom of the form, with a link for 'Already have an account?'. The footer displays the SLIIT logo and address: 'SLIIT, New Kandy Road, Malabe, Sri Lanka.' The Windows taskbar at the bottom shows the date as 7/2/2021 and the time as 8:18 AM.

localhost:3000/register

Home Login Register

### Create Account

First Name Last Name

Enter firstName Enter lastName

Email

Enter email

Username

Enter username

Password

Enter password

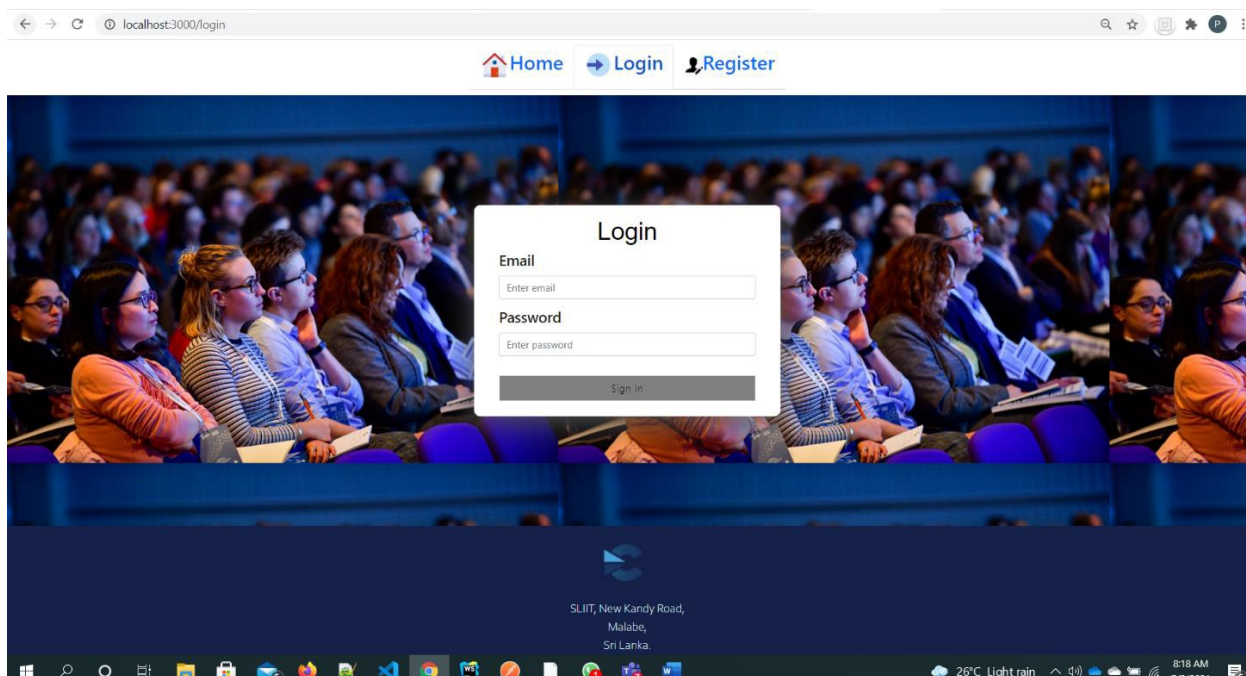
Register

[Already have an account?](#)

SLIIT, New Kandy Road,  
Malabe,  
Sri Lanka.

26°C Light rain 8:18 AM  
7/2/2021

### Reviewer Login Page



The screenshot shows a web browser at localhost:3000/login. The page features a navigation bar with 'Home', 'Login', and 'Register' links. The background is a large image of an audience. A 'Login' form is centered, with fields for Email and Password. A 'Sign In' button is at the bottom of the form. The footer displays the SLIIT logo and address: 'SLIIT, New Kandy Road, Malabe, Sri Lanka.' The Windows taskbar at the bottom shows the date as 7/2/2021 and the time as 8:18 AM.

localhost:3000/login

Home Login Register

### Login

Email

Enter email

Password

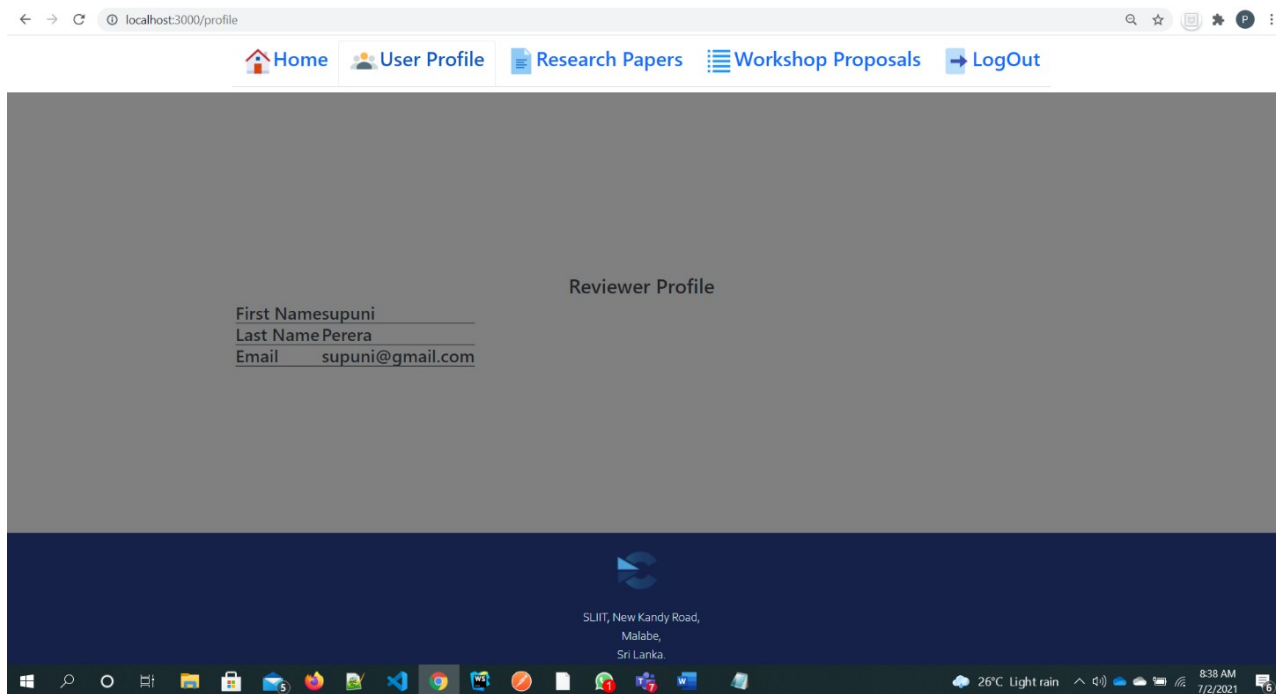
Enter password

Sign In

SLIIT, New Kandy Road,  
Malabe,  
Sri Lanka.

26°C Light rain 8:18 AM  
7/2/2021

## Reviewer Profile Page

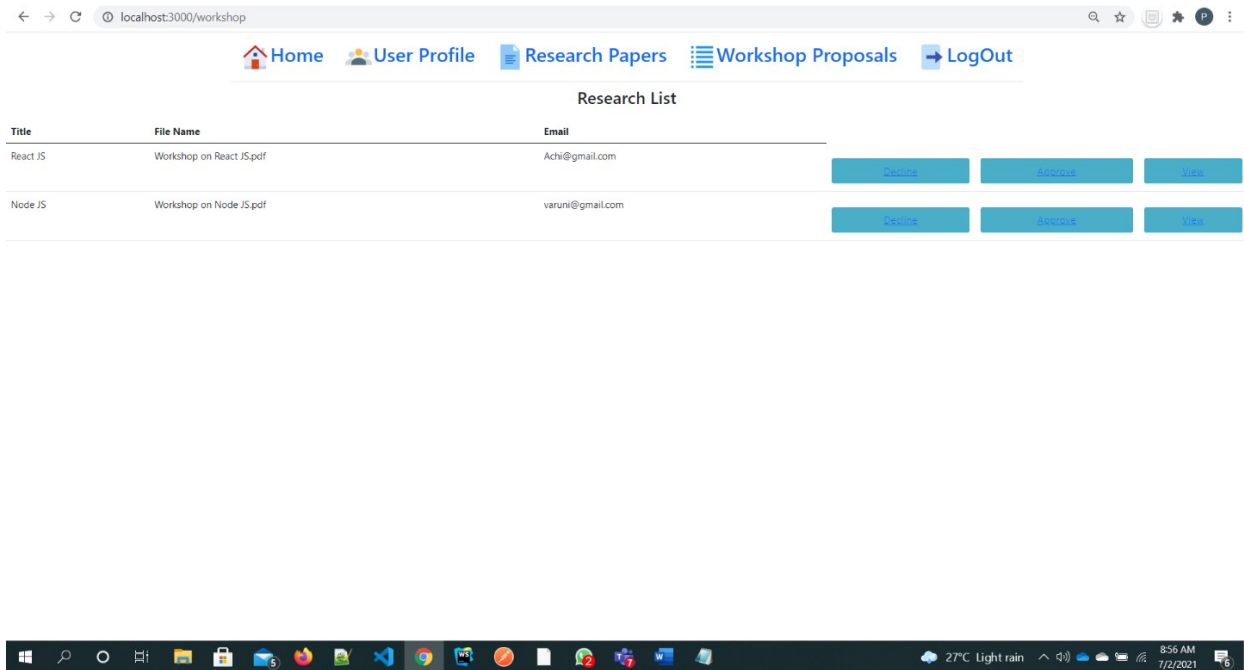


## Research Paper Page

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/researchpaper'. The navigation bar includes links for 'Home', 'User Profile', 'Research Papers', 'Workshop Proposals', and 'LogOut'. The main content area is titled 'Research List' and contains a table with the following data:

Title	File Name	Email	Download	Download	Download
Artificial Intelligence	Artificial Intelligence.pdf	Piyu@gmail.com	Download	Download	Download
Deep learning	Deep learning.pdf	Achi@gmail.com	Download	Download	Download

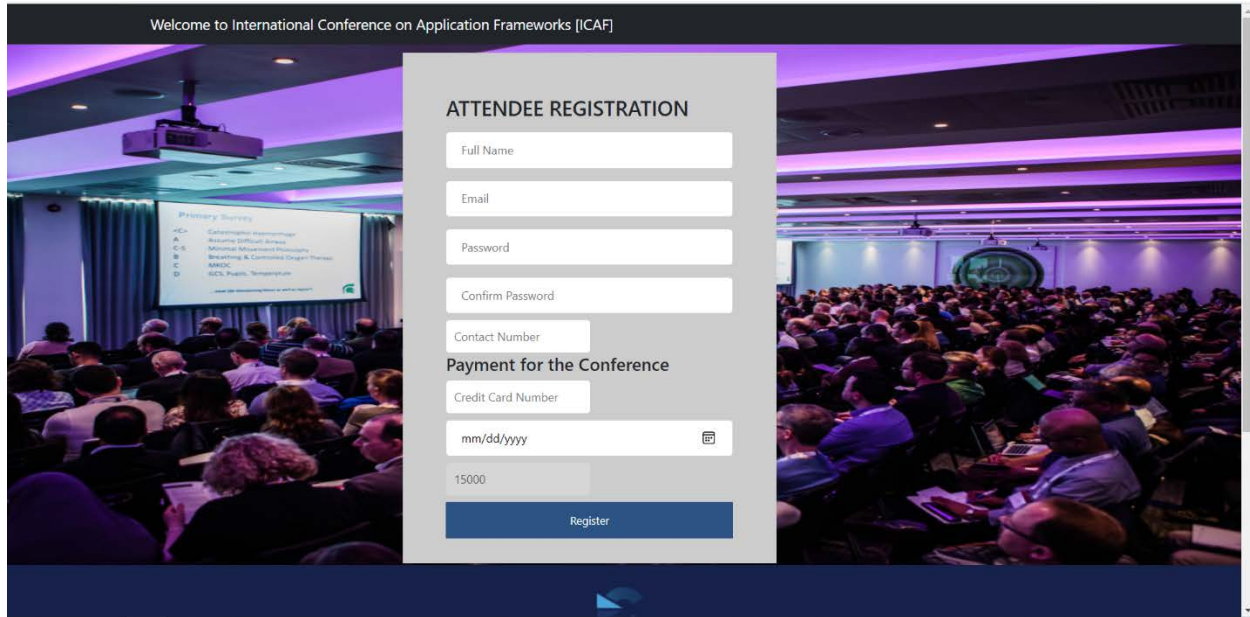
## Workshop Proposals Page



## User - User Interface Navigation

### Attendee Register Page

Welcome to International Conference on Application Frameworks [ICAF]

The image shows a registration form for an attendee, overlaid on a background image of a large conference hall. The form is titled "ATTENDEE REGISTRATION" and includes fields for Full Name, Email, Password, Confirm Password, and Contact Number. Below these fields is a section for "Payment for the Conference" with a Credit Card Number field and a "Register" button. The background image shows a large conference hall with many people seated at tables, facing a stage with a large screen displaying a presentation.

**ATTENDEE REGISTRATION**

Full Name

Email

Password

Confirm Password

Contact Number

**Payment for the Conference**

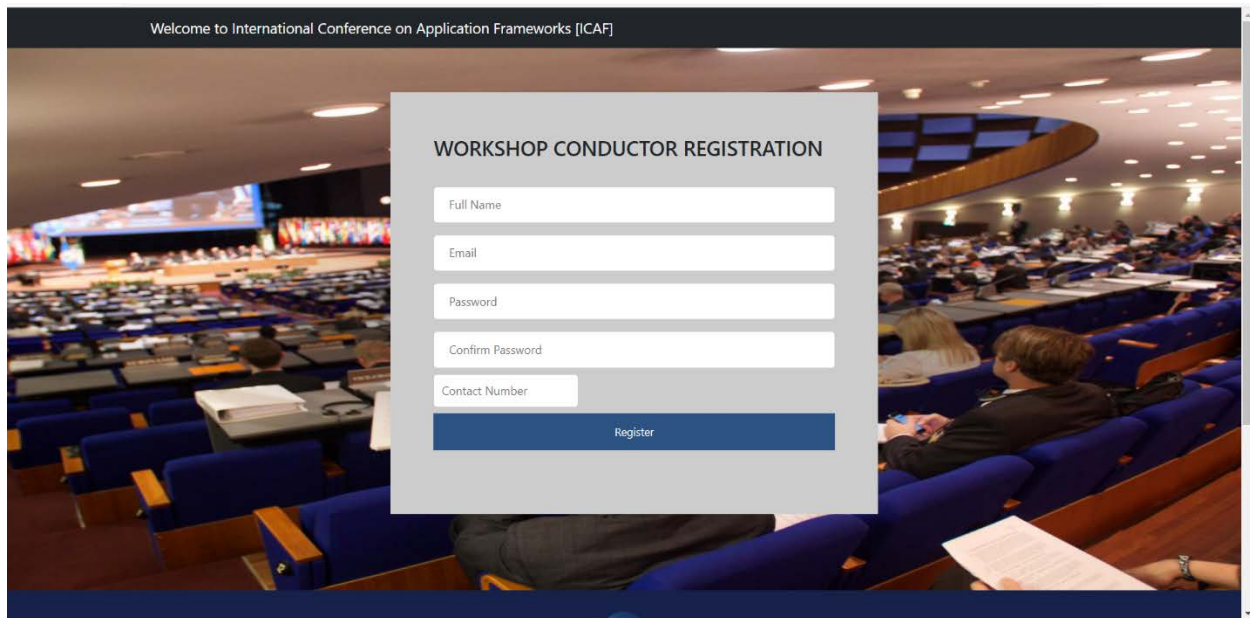
Credit Card Number

mm/dd/yyyy

15000

### Workshop Conductor Register Page

Welcome to International Conference on Application Frameworks [ICAF]

The image shows a registration form for a workshop conductor, overlaid on a background image of a large conference hall. The form is titled "WORKSHOP CONDUCTOR REGISTRATION" and includes fields for Full Name, Email, Password, Confirm Password, and Contact Number. Below these fields is a "Register" button. The background image shows a large conference hall with many people seated at tables, facing a stage with a large screen displaying a presentation.

**WORKSHOP CONDUCTOR REGISTRATION**

Full Name

Email

Password

Confirm Password

Contact Number



## Researcher Register Page

Welcome to International Conference on Application Frameworks [ICAF]

### RESEARCHER REGISTRATION

Full Name

Email

Password

Confirm Password

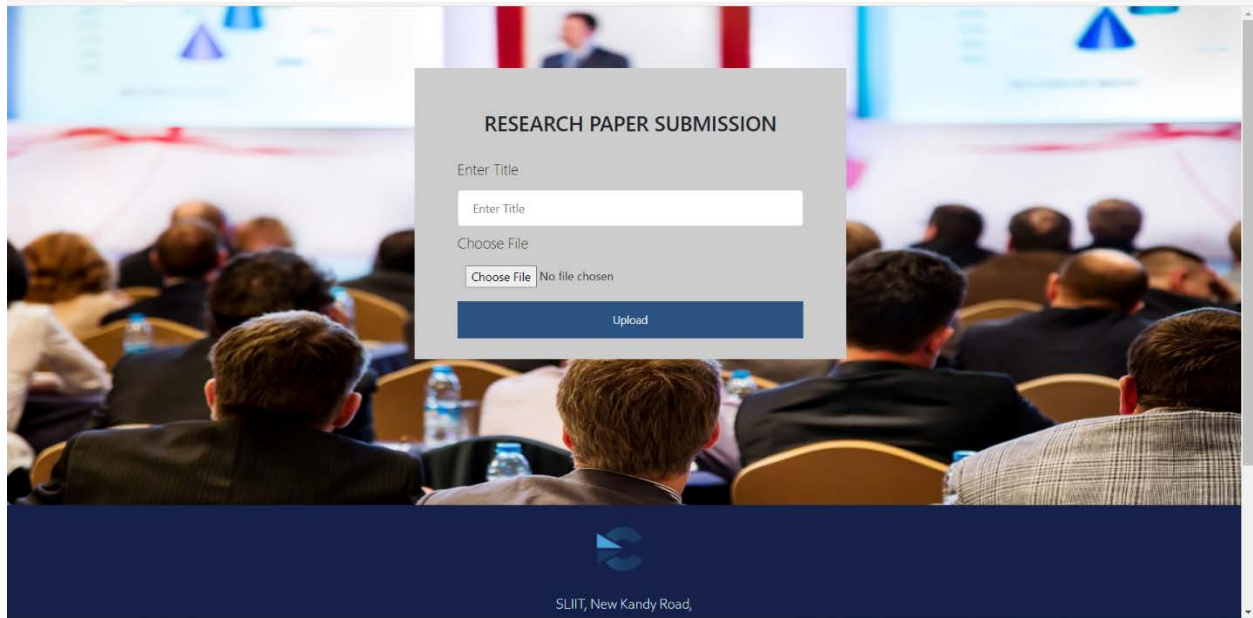
Contact Number

The image shows a registration form for researchers overlaid on a background photograph of a conference room. The room is filled with people seated at long tables, some using laptops. A man in a suit is standing at the front of the room, facing the audience. The form is a light gray rectangle with a dark blue header and footer. The header contains the text 'RESEARCHER REGISTRATION'. The form fields are white with gray borders and labels. The 'Register' button is dark blue with white text.

## User main Page



## Research Paper Submission Page

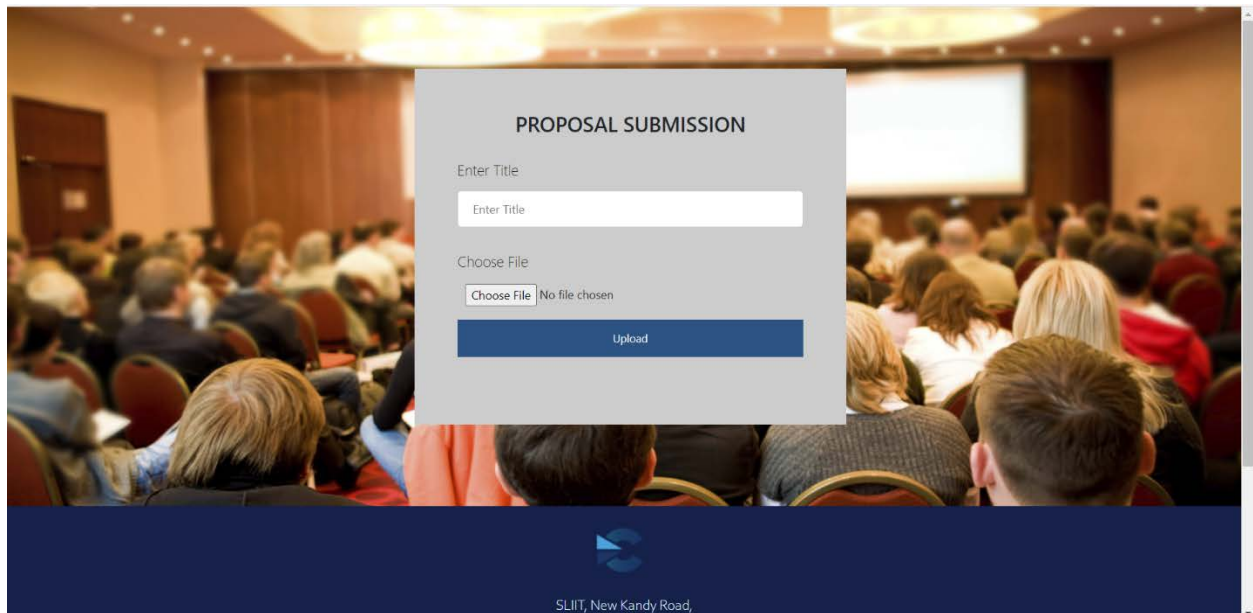


The image shows a 'RESEARCH PAPER SUBMISSION' form overlay on a background of a conference. The form is centered and has a light gray background. It contains the following elements:

- RESEARCH PAPER SUBMISSION** (Section Header)
- Enter Title** (Text label)
- (Text input field)
- Choose File** (Text label)
- (File selection button)
- No file chosen (Text feedback)
- (Submit button)

The background image shows a large audience seated in a conference hall, facing a stage with a presentation screen. The footer of the page is dark blue and contains the SLIIT logo and the text 'SLIIT, New Kandy Road,'.

## Proposal Submission Page



The image shows a 'PROPOSAL SUBMISSION' form overlay on a background of a conference. The form is centered and has a light gray background. It contains the following elements:

- PROPOSAL SUBMISSION** (Section Header)
- Enter Title** (Text label)
- (Text input field)
- Choose File** (Text label)
- (File selection button)
- No file chosen (Text feedback)
- (Submit button)

The background image shows a large audience seated in a conference hall, facing a stage with a presentation screen. The footer of the page is dark blue and contains the SLIIT logo and the text 'SLIIT, New Kandy Road,'.

## User Sign in Page

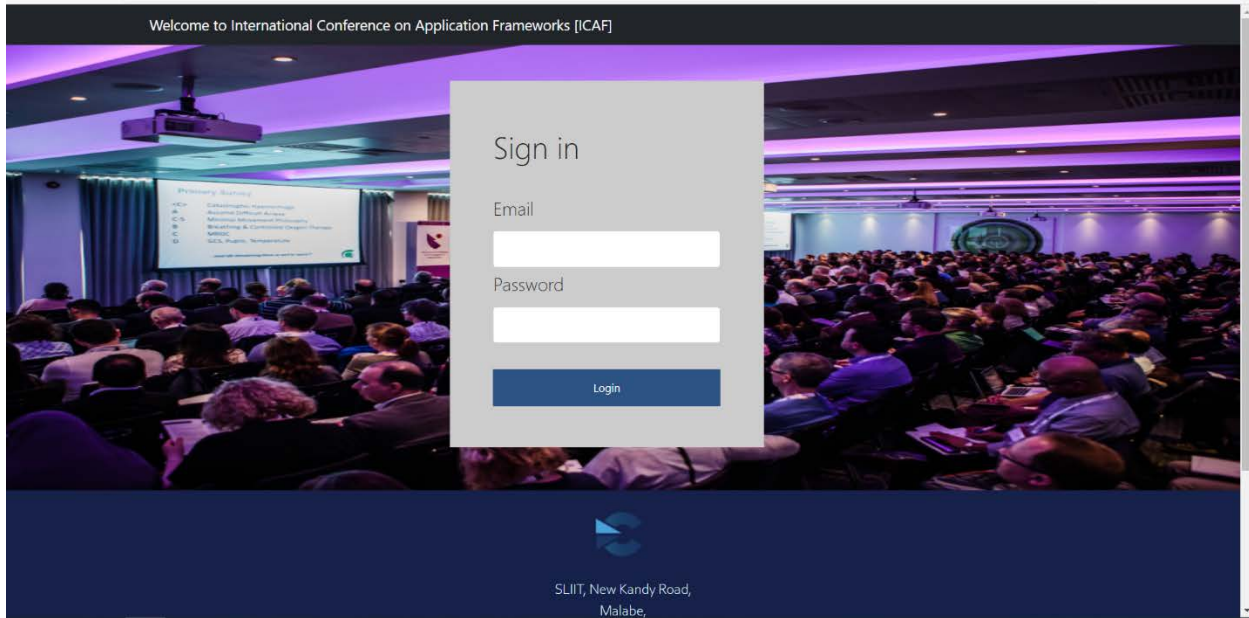
Welcome to International Conference on Application Frameworks [ICAF]

### Sign in

Email

Password

Login



SLIIT, New Kandy Road,  
Malabe,

## Payment Page

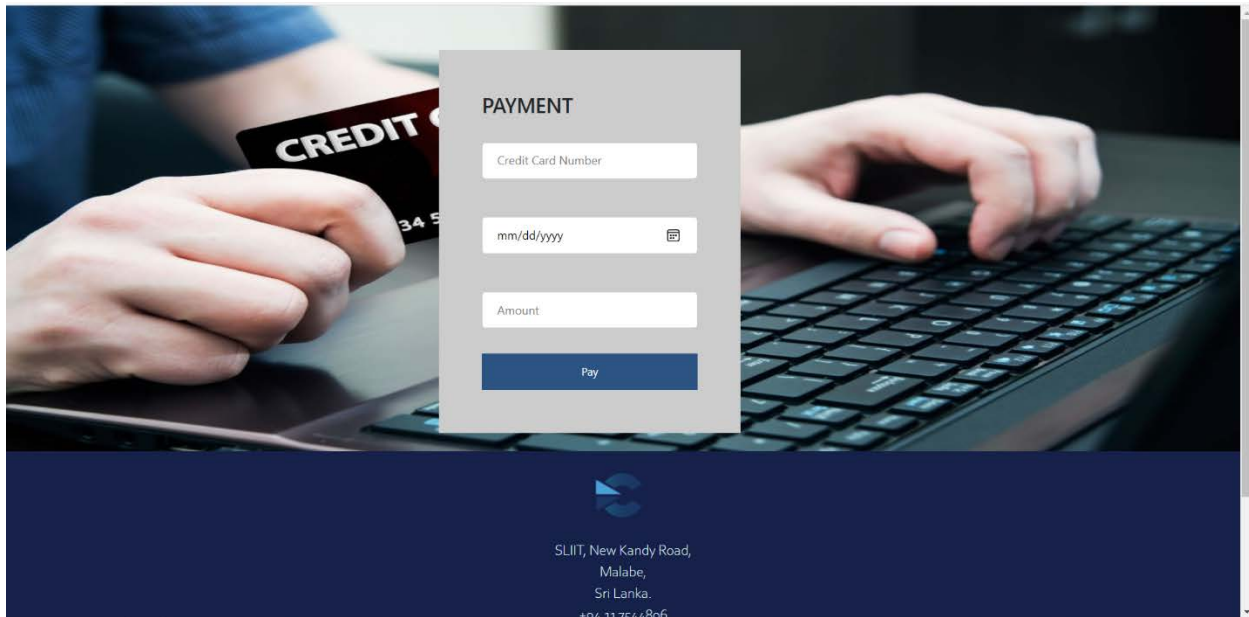
### PAYMENT

Credit Card Number

mm/dd/yyyy

Amount

Pay



SLIIT, New Kandy Road,  
Malabe,  
Sri Lanka.  
186-11-7566896