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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_WE_24

Group Name: Hype Codex

Name	Registration Number	Functionality
YASAS R.M (Group leader)	IT19133850	Role Based Authentication, Innovation and Posts Management
Bandara M.H.M.N.D.T	IT19152288	Workshop management and Conference Management
Gunawardana K.H.R	IT19215884	Research paper management
Dhanasekara D.M.S.M	IT19056258	Reviewers management

Website Link: <https://conference-management-sliit.herokuapp.com>

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1 Introduction

SLIIT conference management system is a place where organizing technology related conferences and discover new innovators. The system contains four roles as admin, editor, reviewer, and user.

Users can register to the system as a researcher, workshop presenter, or attendee. All users need to add their basic contact details. To register as an attendee, it needs to pay Rs.500, and the payment Id needs to as an input parameter in the registration form. Presenters and researchers need to submit their contribution toward work in a pdf format, and the size should less than 25MB, to the registration form. To register as an innovator, it needs to pay and submit its contribution toward the work.

Once the user registers to the system, the user can reset the password. To reset the password user needs to submit their email. Then the system will send the URL to email. By clicking on the URL user can reset their password.

After registration done user can log in to the system. In the system, it shows the verification status of the user profile. (Approve or reject). If the user submitted invalid details, appear an error message. After the successful registration and verification user will navigate to the landing homepage.

Users can register to the workshop/conference, register to conduct workshop/conference by filling corresponding registration forms. And also, users can submit research papers, and edit research papers.

In the administration, there are three roles. As an editor, reviewer, and admin.

Admin dashboard is present where the administration can monitor all activities. Only admin is authorized to create administrators (editor, reviewer, admin). Once a user created an account, the notification sends to the admin and reviewer. They can approve or reject user accounts.

Editor and reviewer can create a new post. Admin approval is a must before publishing the post. Administrators can update their profile, reset the password, view devices logged before with location and other data. If suspicious activities determine, administrators can revoke them. Then will not be able to log in again with that device. The browser itself can view submitted files.

2 Features of the system

2.1 IT19133850

2.1.1 User registration

1) Register as a Presenter

To register navigate to <https://conference-management-sliit.herokuapp.com/public/auth/register> and select role as a presenter, there are two steps first; the user must fill all the basic contact details next provide the submission to of your presentation.

MEMBER AREA **SLIIT CONFERENCE MANAGEMENT TOOL** **Search...**

[← BACK TO REGISTRATION](#)

Register as an Presenter

1 Profile 2 Presentation details

User profile

First name * Last name *

Email Address *

Password * Repeat password *

Phone number * Date of birth * dd----yyyy

Address line 1 *

NEXT

Company
Team
History
Contact us
Locations

Features
Research
Presenter
Innovator
Attendee

Resources
Resource
Resource name
Another resource
Final resource

Legal
Privacy policy
Terms of use

Copyright © SLIIT Conference Management Tool 2021

[← BACK TO REGISTRATION](#)

Register as an Presenter

✓ Profile ————— 2 Presentation details

Presentation details



What we look for?

Presenter is the practical implementation of ideas that result in the introduction of new goods or services or improvement in offering goods or services. ISO TC 279 on presenter management proposes in the standards, ISO 56000:2020 to define presenter as "a new or changed entity creating or redistributing value".

[LEARN MORE](#)

Need opportunity? Submit us your idea

Presenter is the practical implementation of ideas that result in the introduction of new goods or services or improvement in offering goods or services.

(Maximum file size allowed = 25mb)

Drag and drop or click to select file.

[BACK](#)[REGISTER NOW](#)

Company

Team
History
Contact us
Locations

Features

Research
Presenter
Innovator
Attendee

Resources

Resource
Resource name
Another resource
Final resource

Legal

Privacy policy
Terms of use

2) Register as a Researcher

To register navigate to <https://conference-management-sliit.herokuapp.com/public/auth/register> and select role as a researcher, there are two steps first; the user must fill all the basic contact details next provide the submission to of your research. Please refer register as a presenter for more details.

3) Register as a Innovator

To register navigate to <https://conference-management-sliit.herokuapp.com/public/auth/register> and select role as an innovator, there are three steps first; the user must fill all the basic contact details next provide the submission to of your innovation. Last, the user must pay a value of LKR 800.00 and provide the payment id.

The screenshot shows the 'Register as an Innovator' page within the SLIIT Conference Management Tool. The page has a dark blue header with 'MEMBER AREA', 'SLIIT CONFERENCE MANAGEMENT TOOL', and a search bar. The main content area is white and features a progress bar with three steps: 'Profile' (completed), 'Additional' (completed), and 'Payment' (current step). A 'BACK TO REGISTRATION' link is at the top left. The 'Payment details *' section includes a note that payment is required (LKR 800.00) and explains the charges. It also provides instructions on how to pay and a field for the payment ID. At the bottom right, there are 'BACK' and 'REGISTER NOW' buttons. The footer contains links for Company, Features, Resources, and Legal, along with a copyright notice for 2021.

MEMBER AREA SLIIT CONFERENCE MANAGEMENT TOOL

Search...

← BACK TO REGISTRATION

Register as an Innovator

✓ Profile — ✓ Additional — 3 Payment

Payment details *
(Payment is required = LKR 800.00)

Why do we charge?
Now organisations in the payments sector are facing a rapidly growing demand for instant access service options, driven by the world becoming more digital and consumers becoming more comfortable with transacting online. This trend is quickly becoming an expectation in the B2B payments space too with not only traditional banks finding themselves in this new digital 'instant access' realm;

How much do we charge?
We charge only LKR 800.00 for our services.

How to pay?
You can use our tested and secure payment gateway to make payments. To begin your transaction, please [click here](#).

Please provide us the payment id which was sent mailed to you after completing the payment, this is mandatory to verify your payment.

Payment ID *

BACK REGISTER NOW

Company Features Resources Legal

Team Research Resource Privacy policy
History Presenter Resource name Terms of use
Contact us Innovator Another resource
Locations Attendee Final resource

Copyright © SLIIT Conference Management Tool 2021

4) Register as a Attendee

To register navigate to <https://conference-management-sliit.herokuapp.com/public/auth/register> and select role as a attendee, there are two steps first; the user must fill all the basic contact details next the user must pay a value of LKR 500.00 and provide the payment id.

2.1.2 User login

To login navigate to <https://conference-management-sliit.herokuapp.com/public/auth/login> and provide the valid email and password.

The screenshot displays the login interface of the SLIIT Conference Management Tool. The header is dark blue with a 'MEMBER AREA' link, the site title 'SLIIT CONFERENCE MANAGEMENT TOOL', and a search bar. The main content area is light gray and features a white login box. Inside the box, there is a red lock icon and the text 'Sign in'. Below this are input fields for 'Email Address *' and 'Password *'. A 'Remember me' checkbox is present. A blue 'SIGN IN' button is at the bottom of the form. Below the button are two links: 'Forgot password?' and 'Don't have an account? Sign Up'. The footer is dark gray and contains four columns of links: Company (Team, History, Contact us, Locations), Features (Research, Presenter, Innovator, Attendee), Resources (Resource, Resource name, Another resource, Final resource), and Legal (Privacy policy, Terms of use).

Company	Features	Resources	Legal
Team	Research	Resource	Privacy policy
History	Presenter	Resource name	Terms of use
Contact us	Innovator	Another resource	
Locations	Attendee	Final resource	

2.1.3 Recover password

If you have already signed in and if you cannot remember the password navigate to <https://conference-management-sliit.herokuapp.com/public/auth/recover-password> and provide the valid email you registered. Then you will receive an email and you can reset the password by clicking on it.

2.1.4 Reset password

Complete steps in recover password and click on the reset url received for your email and then you will be able to reset your password. You need to provide your new password and repeat new password. Additionally, reset token must be valid and will be valid for 10 minutes after receiving.

The screenshot displays the 'Reset Password' interface within the 'SLIIT CONFERENCE MANAGEMENT TOOL' member area. The header includes a 'MEMBER AREA' link, the tool's name, and a search bar. The main content area features a white card with a red lock icon and the title 'Reset Password'. Below the title, the user's profile is shown as 'ManukaYasas' with the email 'manukayasas99@gmail.com' and a 'CANCEL' button. The form contains two input fields: 'New password *' and 'Repeat new password *'. A checkbox labeled 'Logout from other devices?' is present below the fields. A blue 'CHANGE PASSWORD' button is at the bottom of the form. At the very bottom of the card, there are links: 'Not a user? Register' and 'Already have an account? Sign In'. The footer of the page is a dark grey bar with four columns of links: 'Company' (Team, History, Contact us, Locations), 'Features' (Research, Presenter, Innovator, Attendee), 'Resources' (Resource, Resource name, Another resource, Final resource), and 'Legal' (Privacy policy, Terms of use). A copyright notice 'Copyright © SLIIT Conference Management Tool 2021' is centered at the bottom.

MEMBER AREA SLIIT CONFERENCE MANAGEMENT TOOL Search...

Reset Password

ManukaYasas
manukayasas99@gmail.com CANCEL

New password *

Repeat new password *

☐ Logout from other devices?

CHANGE PASSWORD

Not a user? Register Already have an account? Sign In

Company Features Resources Legal

Team Research Resource Privacy policy
History Presenter Resource name Terms of use
Contact us Innovator Another resource
Locations Attendee Final resource

Copyright © SLIIT Conference Management Tool 2021

2.1.5 Payment gateway

To make a payment navigate to <https://conference-management-sliit.herokuapp.com/public/payment> and fill in all the details required and then your payment will be processed by the payhere payment gateway.

MEMBER AREA

SLIIT CONFERENCE MANAGEMENT TOOL

Search...

PayHere

VISA, Mastercard, DISCOVER, Genie, etc.

Payment gateway

We use payhere payment gateway which is safe and native. PayHere stays on the leading edge of safety and security. By partnering with Sampath Bank PLC with the approval of Central Bank, PayHere offers layers of trustable security. [Learn More](#)

Please fill all the required details

First name *

Last name *

Email Address *

Address line 1 *

Phone number *

City *

Reason *

Transfer amount *

PROCESS PAYMENT

Company

Team

History

Contact us

Locations

Features

Research

Presenter

Innovator

Attendee

Resources

Resource

Resource name

Another resource

Final resource

Legal

Privacy policy

Terms of use

Copyright © SLIIT Conference Management Tool 2021

PayHere

Manuka
sdsdsd
Rs. 200.00

SELECT A PAYMENT METHOD

Credit/Debit Card

VISA, Mastercard, DISCOVER, etc.

Mobile Wallet

Genie, etc.

Internet Banking

Secured by

PayHere

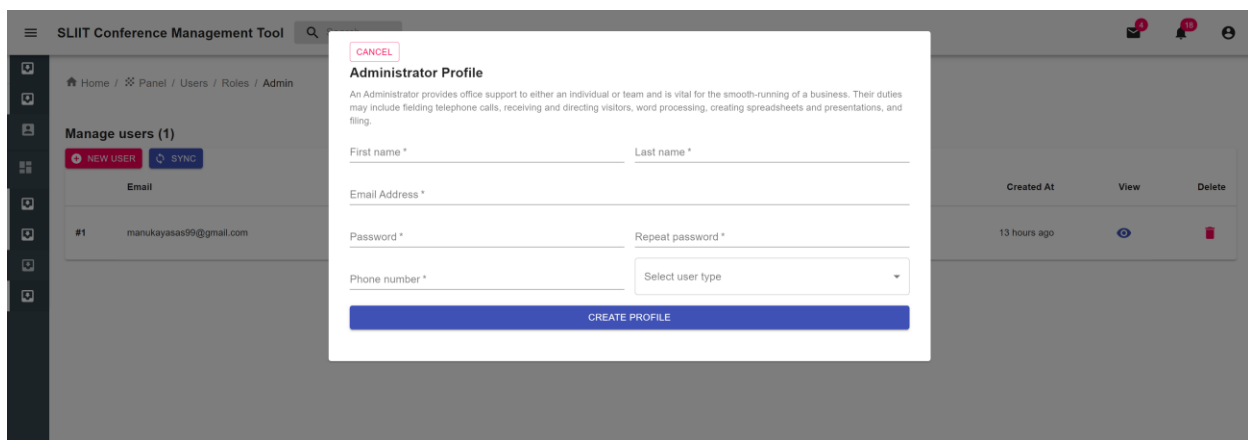
Central Bank approved Secure Payment Gateway Service

2.1.6 View posts

Recent updates on our website will be published in our home page. Please navigate to <https://conference-management-sliit.herokuapp.com/public> to view posts.

2.1.7 Administrator registration

Users with role reviewer and admin only create administrator user accounts. Navigate to <https://conference-management-sliit.herokuapp.com/protected/users/roles/admin> and provide the basic details and their role. After a successful registration user will receive notifications and emails.



The screenshot displays the 'SLIIT Conference Management Tool' interface. On the left, a sidebar menu includes 'Home', 'Panel', 'Users', 'Roles', and 'Admin'. The 'Manage users (1)' section is active, showing a table with one user: '#1' with email 'manukayasas99@gmail.com'. A modal window titled 'Administrator Profile' is open, featuring a 'CANCEL' button at the top left. The form includes fields for 'First name *', 'Last name *', 'Email Address *', 'Password *', 'Repeat password *', and 'Phone number *'. A 'Select user type' dropdown menu is set to 'Admin'. A blue 'CREATE PROFILE' button is at the bottom. In the background, a table lists user creation details: 'Created At' (13 hours ago), 'View' (eye icon), and 'Delete' (trash icon).

2.1.8 Administrator profile update

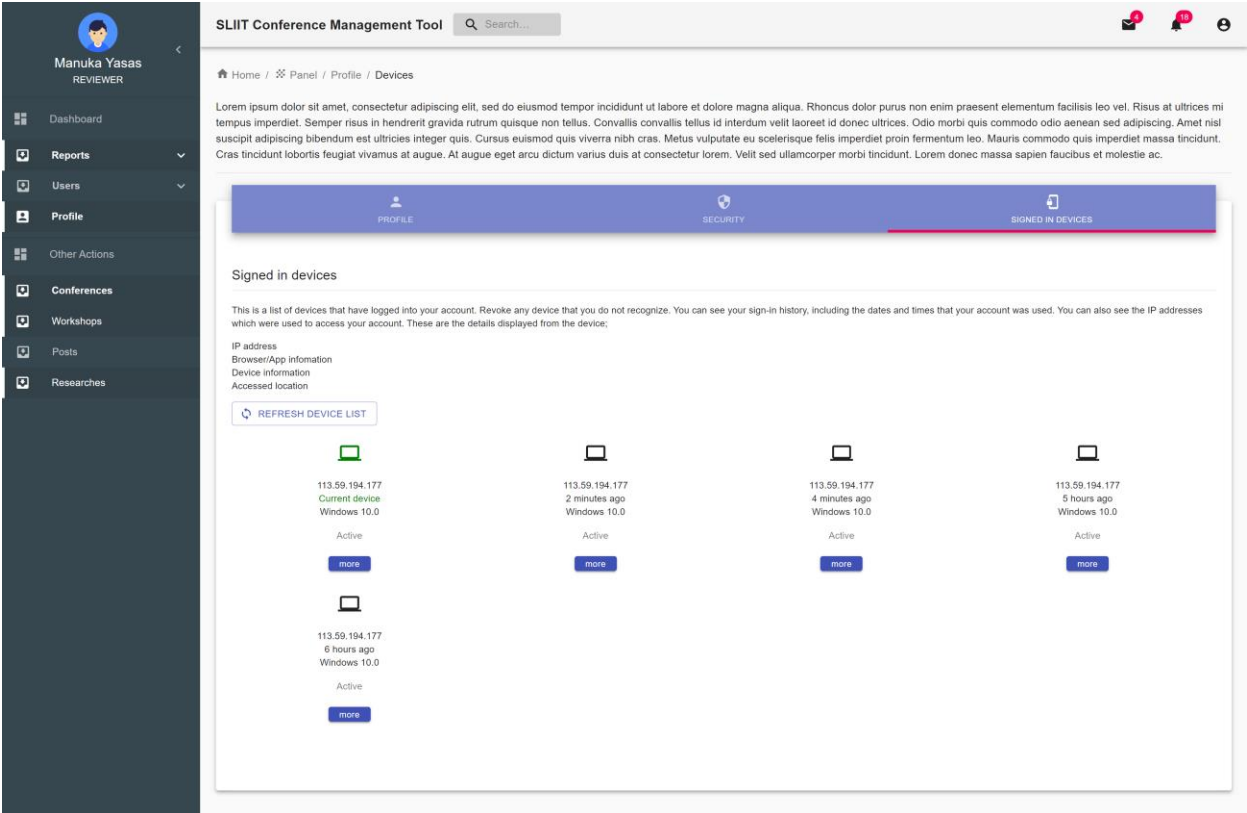
To update an administrator current profile navigate to <https://conference-management-sliit.herokuapp.com/protected/profile> and update the profile details.

2.1.9 Administrator profile security

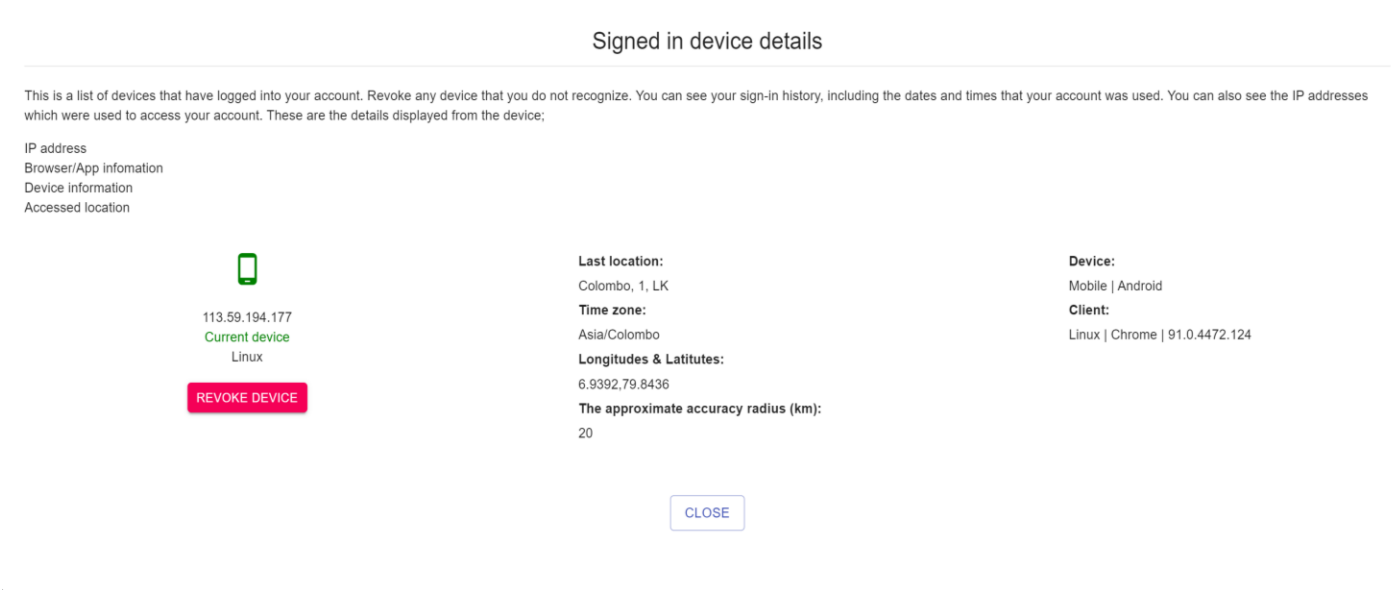
To update an administrator current profile password navigate to <https://conference-management-sliit.herokuapp.com/protected/security> and provide the current password, new password and the new password to confirm password. Additionally user can revoke all the logged in devices after a password update.

2.1.10 Manage signed in devices

Administrators can list down the logged in devices and revoke them if needed. Navigate to <https://conference-management-sliit.herokuapp.com/protected/devices> to manage logged in devices.



To revoke a logged in device click on more and then click revoke.



2.1.11 Approve / Reject user accounts

Navigate to <https://conference-management-sliit.herokuapp.com/protected/users/roles/{usertype}> and then select the user to modify. Click on Accept or Reject user. Approval reason must be provided for both accepting and rejecting.

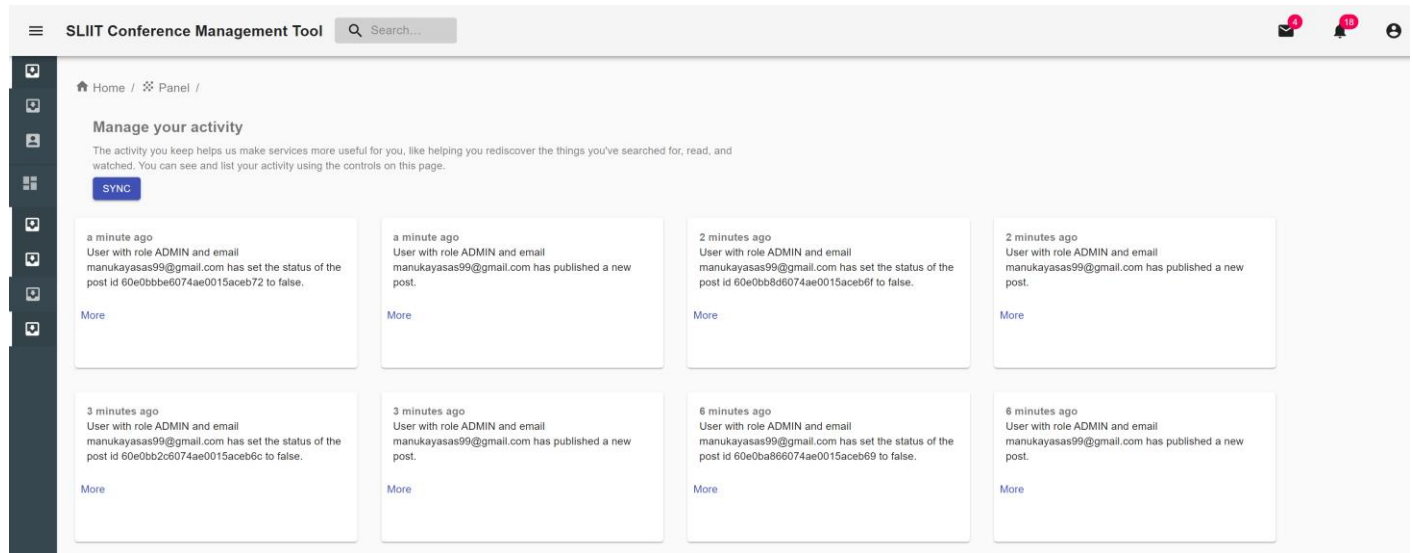
The screenshot shows the 'User Profile' page in the SLIIT Conference Management Tool. The left sidebar shows the user 'Manuka Yasas' (ADMIN) with a menu including Dashboard, Reports, Users, Profile, Other Actions, Conferences, Workshops, Posts, and Researches. The main content area displays the user's profile with a description: 'An Administrator provides office support to either an individual or team and is vital for the smooth-running of a business. Their duties may include fielding telephone calls, receiving and directing visitors, word processing, creating spreadsheets and presentations, and filing.' Below this is an 'ACCEPT USER' button. The profile is divided into four sections: Basic details, Additional details, Submission details, and another Additional details section. The data is as follows:

Basic details	Additional details	Submission details	Additional details
Username : Bell Heathcote	Account created (5 hours ago) : 2021-07-03T12:54:33.190Z	File name : Profile.pdf	File created on (5 hours ago) : 2021-07-03T12:54:33.622Z
Email : manukayasas99x@gmail.com	Last update (5 hours ago) : 2021-07-03T12:54:33.645Z	File size : 43409	Last update on (5 hours ago) : 2021-07-03T12:54:33.622Z
Phone : 0721146092	Address : 2485 Franecki Trafficway Apt. 023	File type : application/pdf	
User Role : MEMBER	Date of birth (in 17 days) : 2021-07-21T00:00:00.000Z	File path : Click here to open	
Payment Info : 320025142386			

The 'Approval Reason' modal form is displayed. It has a title 'Approval Reason *' and a prompt: 'Please provide us the reason why you are Approving/Rejecting this user?'. Below the prompt is a text input field with the placeholder 'Enter your reason'. At the bottom right of the modal is an 'OK' button.

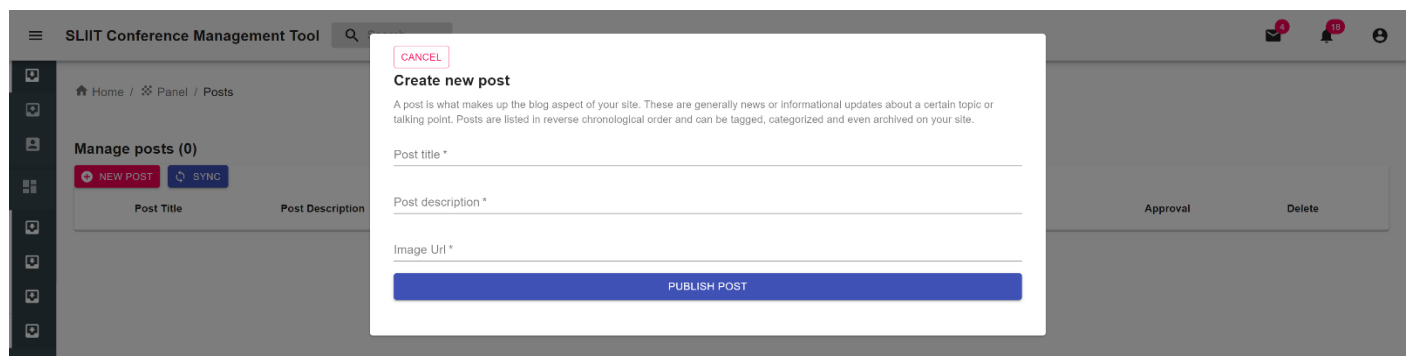
2.1.12 Receive notifications

On the main page of the administration panel all the notifications will be listed. When a user is registered, user with role Admin will be notified. When the user profile status was updated both admin and reviewers will be notified. When a new post is created or updated only admin and editors will be notified.




2.1.13 Create new posts

Only users with roles admin and editor can create posts. To create a post navigate to <https://conference-management-sliit.herokuapp.com/protected/posts> and provide all the details and submit. Only approved posts will be displayed in the home page.



2.1.14 Approve / Reject user posts

Only users with role admin can approve a post. Once post is approved then it will be displayed in the public home page. Navigate to <https://conference-management-sliit.herokuapp.com/protected/posts> to change the approval status of a post.

**Manuka Yasas**
ADMIN

Dashboard

Reports

Users

Profile

Other Actions

Conferences




Workshops

Posts

Researches

SLIIT Conference Management Tool

Search...








Home / Panel / Posts

Manage posts (5)

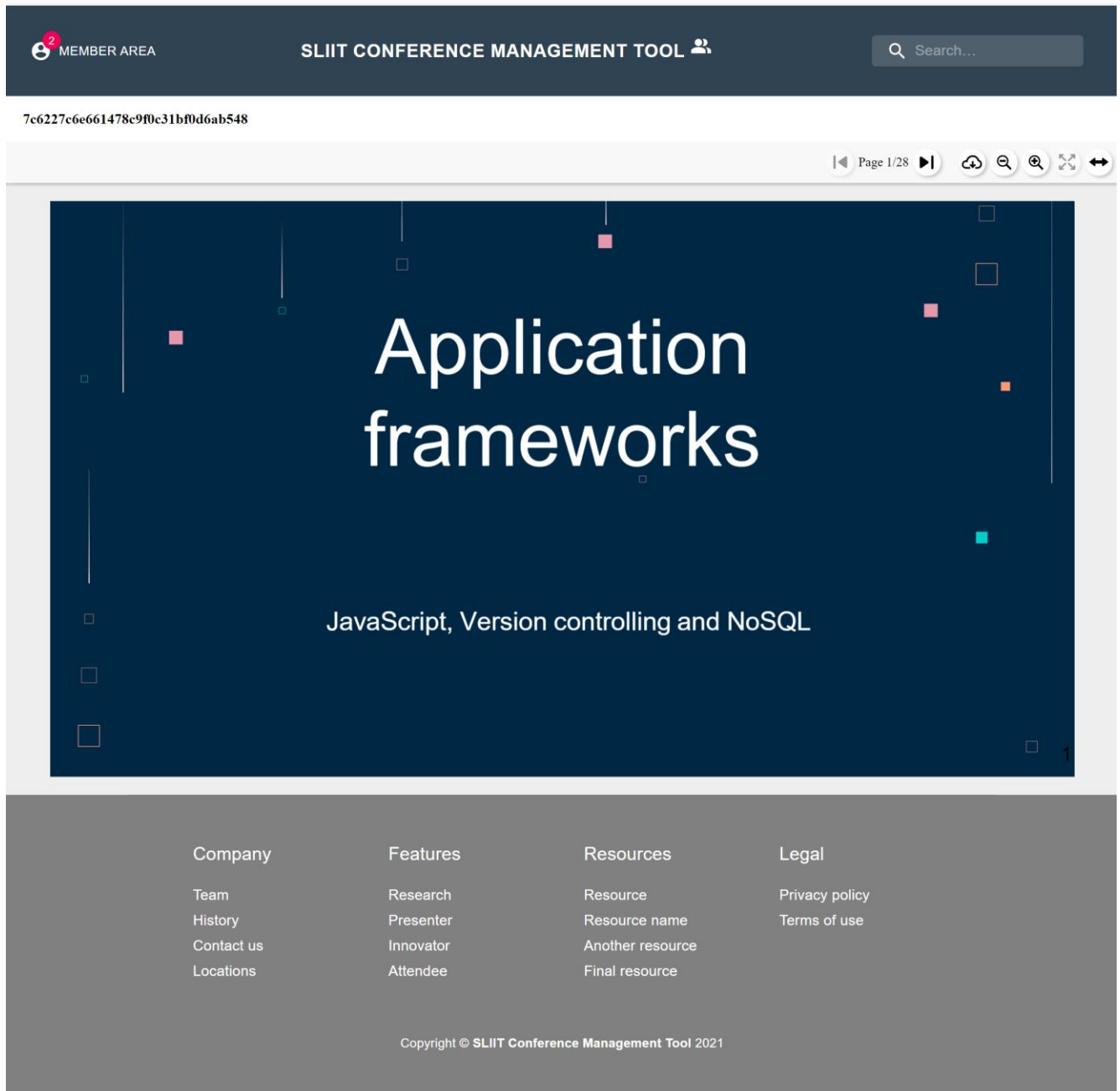
NEW POST

SYNC

	Post Title	Post Description	Post url	Published By	Last update	Created At	Approval	Delete
#1	MGA Fintech Growth Summit	The Fintech Growth Summit is the perfect environment to share your stories and expertise with industry insiders who are navigating the same transformational times—and get answers to all your questions about transformation during COVID-19, big tech in finance, preparing for the unexpected, how fintech can grow sustainably, retention and loyalty, mobile-first experiences, and the digital customer journey.	View file	manukayasas99@gmail.com (ADMIN)	a few seconds ago	6 minutes ago	REJECTED	
#2	IMPACT 2021	For more than 40 years, CMG's international conference has been the source for education and peer-to-peer exchange for all things enterprise IT and infrastructure. It is the only conference of its kind where attendees can obtain real-world knowledge and training that is not vendor-run. IMPACT features sessions on the full scope of digital transformation technologies including Artificial Intelligence and Machine Learning, Observability, DevOps, Performance Engineering, Digital Process, Cloud Native Applications, and the IT Infrastructures that support them.	View file	manukayasas99@gmail.com (ADMIN)	6 minutes ago	6 minutes ago	APPROVED	
#3	CES (Consumer Electronics Show)	CES brings together all of the biggest players in the consumer tech space. One of the largest trade shows in the US, this is innovation at its finest. And in 2021, they're fully embracing a digital experience.	View file	manukayasas99@gmail.com (ADMIN)	8 minutes ago	8 minutes ago	APPROVED	
#4	What is CODEFEST?	CODEFEST is a nationwide Software Competition organized by the Faculty of Computing of Sri Lanka Institute of Information Technology (SLIIT) geared towards exhibiting the software application design and developing talents of students island-wide. It is an effort of SLIIT to elevate the entire nation's ICT knowledge to achieve its aspiration of being the knowledge hub in Asia. CODEFEST was first organized in 2012 and this year it will be held for the 8th consecutive time in parallel with the 20th anniversary celebrations of SLIIT.	View file	manukayasas99@gmail.com (ADMIN)	11 minutes ago	11 minutes ago	APPROVED	
#5	SLIIT Codefest Datathon 2020	SLIIT Codefest Datathon 2020, organized by SLIIT Faculty of Computing, under the theme take the leap for a better tomorrow today, this year's Covid edition of Datathon had 260+ Participants , 65+ Teams Registered, under which competing to have their innovation implementation participants from SLIIT, University of Colombo – School of Computing, University of Moratuwa, Sabaragamuwa University of Sri Lanka, University of Kelaniya, Institute of Information Technology (IIT), Wayaba University of Sri Lanka were selected as the top 10 team finals. The final rounds were held on the 27th of January 2021 at the SLIIT Malabe campus.	View file	manukayasas99@gmail.com (ADMIN)	an hour ago	an hour ago	APPROVED	

2.1.15 File viewer

To view a file navigate to <https://conference-management-sliit.herokuapp.com/public/file/view/{file.name}>.



2.2 IT19152288

2.2.1 Workshop and conference management

Through the drop-down button called “Registration” in the navigation bar you can navigate to the “Registration for conduct workshop/conference page”, “Registration for workshop”, “Registration to conference”.

Before conduct the workshop/conference user need to register. In registration form user need to enter Title, organizer name, organizer’s affiliation, organizer’s email, scope, biography, potential participant, planned duration, planned date, name of the reference papers parameters. All the parameters are required for registration.

[Home](#) [Conference](#) [Workshop](#) [Registration](#) ▾

Title :

Enter the Title of Conference / Workshop

Orgaanizer Name :

Enter the Organizer Name

Orgaanizer's Affiliation :

Enter the Organizer's Affiliation.

Orgaanizer's Email :

Enter the Organizer's Email.

Scope :

Enter the Scope planned to cover.

Biograpghy :

Enter the biograpghy of organizer.

Potantial Participant :

Enter the details pf potential participant. (Program Comitte Members, Invited Speakers)

Planned Duration :

Enter the Duration.

Preferred Day :

mm/dd/yyyy

Name of the refereed Papers :

Enter your references.

Submit

User can register to the conference by adding Name, affiliation, email, preferred workshop, statement of interest to the registration form. All the parameters are required for registration.

[Home](#) [Conference](#) [Workshop](#) [Registration](#) ▼

Name :

Enter your name....

Affiliation :

Enter affiliation

Email :

Enter your Email.

Prefereed Workshop :

Enter Preferred workshopn name.

Statement Of Interest :

Glve your Statement of Interest...

Submit

User can register to the conference by adding Name, affiliation, email, preferred workshop, statement of interest, payment type, amount, date of payment to the registration form. All the parameters are required for registration.

[Home](#) [Conference](#) [Workshop](#) [Registration](#) ▼

Name :

Enter your name...

Affiliation :

Enter affiliation

Email :

Enter your Email.

Prefereed Workshop :

Enter Preferred workshopn name.

Statement Of Interest :

Glve your Statement of Interest...

Payment Type :

Enter your paymnt method.

Amount :

Enter your paid amount.

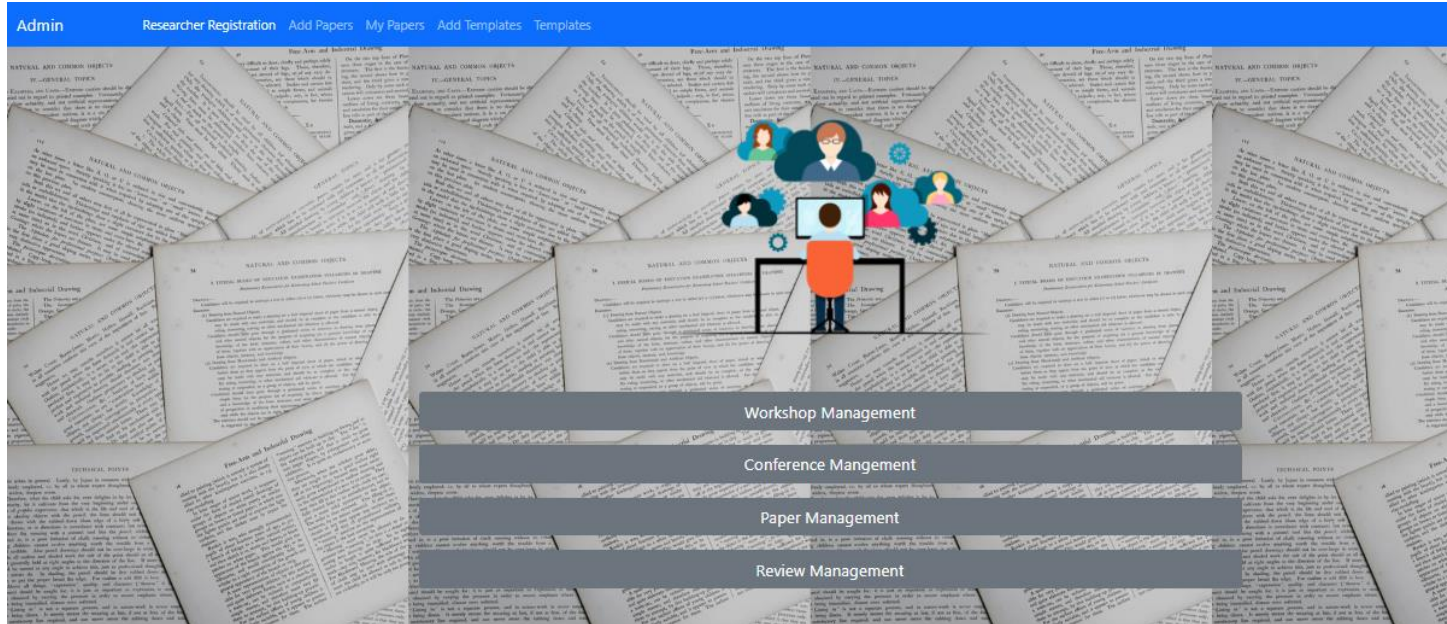
Date of Payment :

mm/dd/yyyy

Submit

2.3 IT19215884

2.3.1 Research paper management



Landing Page

This is the landing page. User can perform their task by navigating through the relevant button. To the workshop management by first button , to the conference management from second button, to the paper management by third button and to the review management by forth button.

The image shows a web browser window displaying the 'Add Paper' form. The browser's address bar shows 'localhost:1234' and a notification 'Data inserted successfully'. The form has a blue header with the same navigation links as the landing page. The form fields are: Title (filled with 'Chemical Fertilizer'), Subject (filled with 'Agriculture'), Type (filled with 'Proposal'), Author (filled with 'John Doe'), and No: of Pages (filled with '6'). At the bottom of the form are two buttons: 'Upload the paper Here...' and 'Submit'. A small 'OK' button is also visible in the top right corner of the form area.

My Papers

Subject: Deforestation

Title: Environment

Type: Proposal

Author: John Doe

Pages: 10

Date: 2021-06-12T10:41:45.413Z

Update

Delete

Subject: Corona Crisis

Title: Health

Type: Paper

Author: John Doe

Pages: 8

Date: 2021-06-12T13:30:24.701Z

Update

Delete

Subject: Chemical Fertilizer

Title: Agriculture

Type: Paper

Author: John Doe

Pages: 8

Date: 2021-06-28T15:39:20.189Z

Update

Delete

Subject: Impact of Buddhism to India

Title: Indian History

Before uploading paper or a proposal a registered researcher must create paper by submitting the details of paper like the title, subject type (paper or a proposal), any associate author, and no of pages. The details of the created papers can be found in “My Papers” page and the researcher can update or delete the paper before the review status become complete.

Create Interest Field

Interest Field Name

Description

Submit

An administrator can create interest fields for the researchers. They can view the interest field of each registered researcher by simply clicking on the details of the researcher.

Interest Fields

Name: Deep Learning

Description: Deep learning is an artificial intelligence (AI) function that imitates the workings of the human brain in processing data and creating patterns for use in decision making.

Name: Artificial Intelligence

Description: Artificial intelligence (AI) is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing (NLP), speech recognition and machine vision.

2.4 IT19056258