



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

Conference Management Tool

USER GUIDE

By

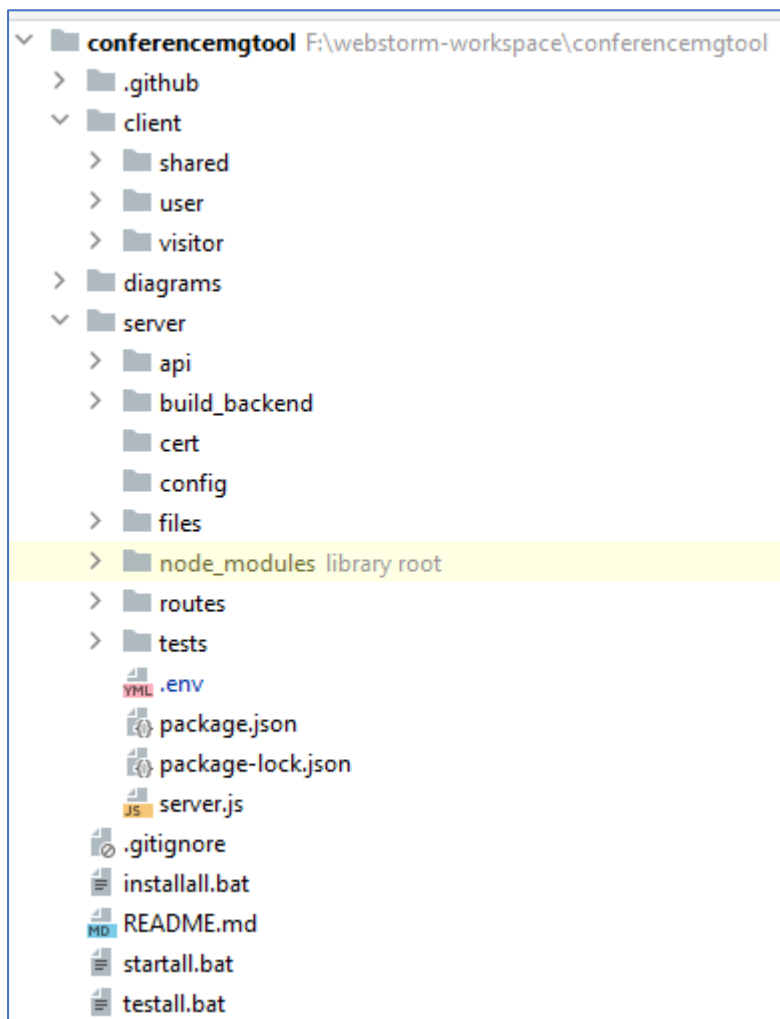
2021S1_REG_WE_20

EagleEye

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Project Structure



On the root directory, starting from client folder, which has the frontend of the application, within it are 3 folders namely shared. User, and visitor, the User folder contains the user portal configured to run on port 1235, while the Visitor folder contains the Visitor frontend services which are configured to run on port 1234, the shared folder is for assets shared in between user and visitor frontends.

Following it, is the diagrams folder containing, UML diagrams which can be opened using draw.io.

Then there is the server folder containing the backend of the application, with;

1. api – model classes
2. routes – controllers/Koa Routers
3. tests – JEST test suites
4. .env – environmental variables such as server reserved port, mongo database name, mongo database connection URL.
5. server.js – Koa using the controllers to setup a server.

Finally, the batch scripts for easier development and deployment.

Initial setup

On first time running the application, it is only necessary to setup the mongo server url and the relevant ports for the application,

Frontend ports:

1. User Portal port – client/user/package.json

```
"scripts": {  
  "https-mode": "set HTTPS=true&&npm start",  
  "start": "parcel index.html -p 1235",  
  "build": "parcel build index.html",  
  "test": "jest tests --passWithNoTests"  
},
```

2. Visitor – client/visitor/package.json

```
"scripts": {  
  "https-mode": "set HTTPS=true&&npm start",  
  "start": "parcel index.html -p 1234",  
  "build": "parcel build index.html",  
  "test": "jest tests --passWithNoTests"  
},
```

Backend ports:

3. Server – server/.env

```
SERVER_LOCAL_PORT=3000  
SERVER_HTTP_PORT=3001  
SERVER_HTTPS_PORT=3002  
  
MONGO_DATABASE=conferencedb  
MONGO_URL=mongodb+srv://<username>:<password>@<cluster>.utlr7.mongodb.net/myFirstDatabase?retryWrites=true&w=majority
```

First run – Administrator setup

Initially, to create the default administrator account, after running the application,

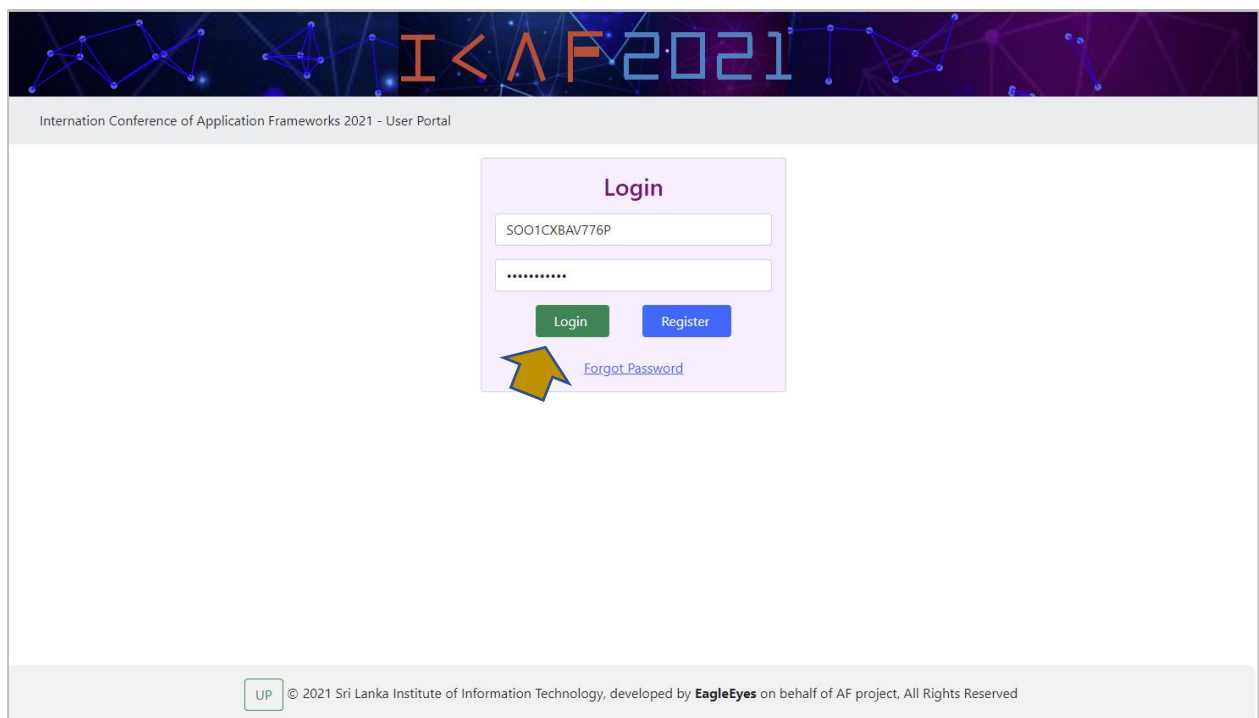
1. Go to user portal by clicking on login,



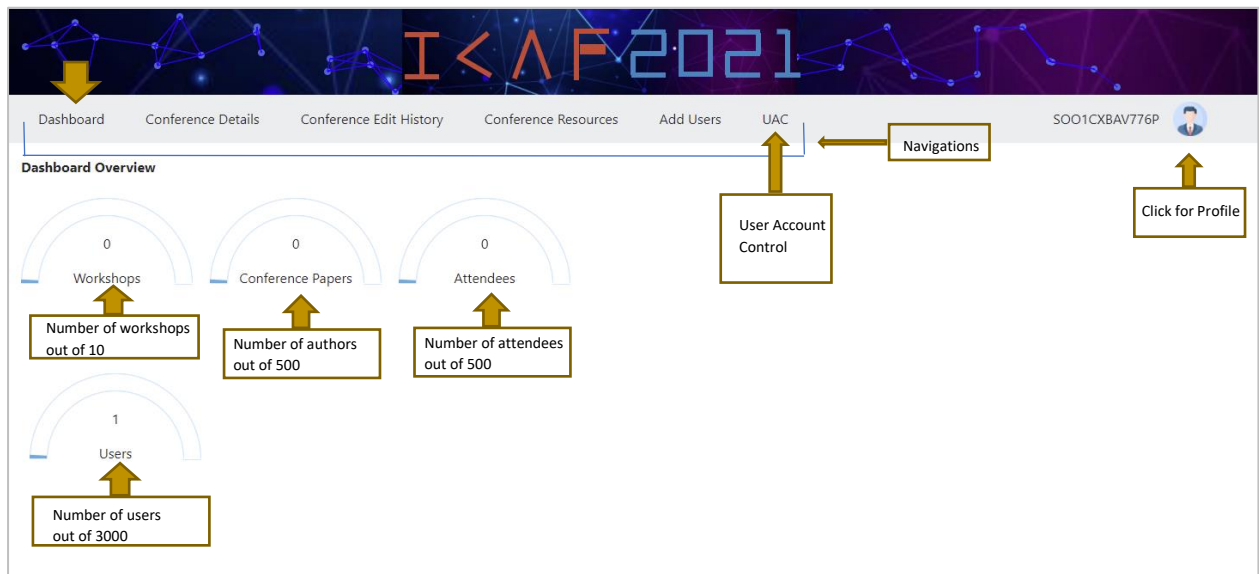
2. Then type in, Username: **SOO1CXBAV776P**

Password: **+BwELwE5n@1**

And click on login.

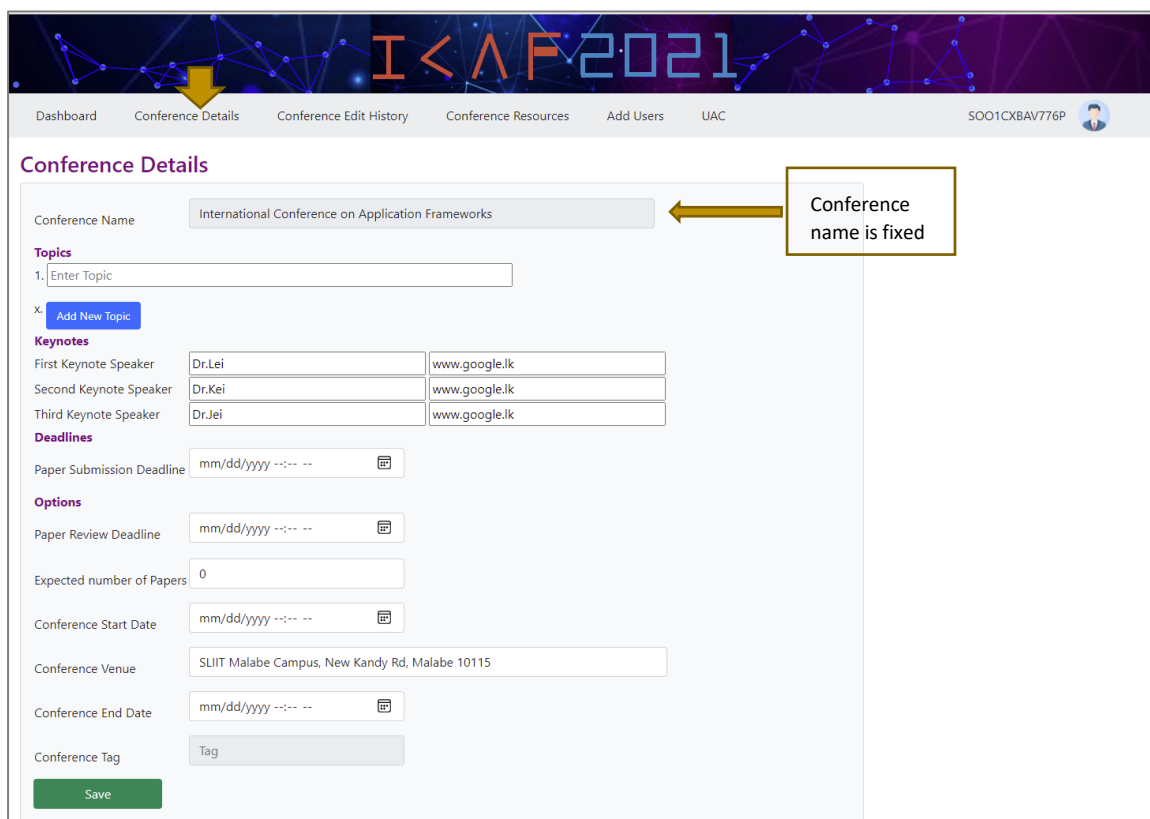


- On click, the administrator dashboard will be loaded, automatically creating an account with the given username.



Admin Edit Conference Details

- Click on the conference details navigation button, here all the information related to the conference can be edited.



Admin Approve editor's conference edits

- Next, where needed to approve editor's suggestions on the conference related information, conference edit history in navigation can be clicked.

username	Changed Field	Previous Value	New Value	Status	Operations
60e07df9b97a1f22bc9dd6ba	submissionDeadline	""	"2021-07-10T20:40"	UNAPPROVED	<button>Approve</button> <button>Reject</button>
	topics	[""]	["Node JavaScript","Express JavaScript"]	UNAPPROVED	<button>Approve</button> <button>Reject</button>

On changes to above, in visitor page, news list will be updated accordingly;

INTERNATIONAL CONFERENCE ON APPLICATION FRAMEWORKS 2021

Thu Nov 11 to Sun Nov 14

Sri Lanka Institute of Information Technology

[Book Tickets Now](#)

About Conference

Admin View conference papers and workshops

- Furthermore, when needed to view through all the conference papers and workshop papers, then clicking on conference resources is the way.

Workshops

[Workshop 1 - Workshop on how to properly build a full stack web page](#)

[Workshop 2 - Workshop for JavaScript styling and transitions](#)

Papers

[Conference Paper 1 - Research on multithreading in node JavaScript](#)

[Conference Paper 2 - Express JavaScript to change backend evolution](#)

Admin Add new User; Editor, Reviewer

7. To add an editor, or a reviewer, Click on Add Users navigation button.

The screenshot shows the 'Add Users' page with the following steps annotated:

- Step 1:** Select User role. An arrow points to the 'Reviewer' button in the role selection bar.
- Step 2:** Enter an email address for the new user. An arrow points to the 'User Email' input field containing 'roy.de@hotmail.com'.
- Step 3:** Click Add. An arrow points to the 'Add' button next to the email field.
- Step 4:** Server will then generate for the new user. An arrow points to the 'Add' button.

Below the email field, there are fields for 'Server Generated', 'Username', and 'Password'.

Admin User account control; ban, unban or reset passwords.

8. Finally for user account control, where is it needed to ban, view or reset the password of a user; this can be done by clicking on UAC navigation button.

The screenshot shows the 'UAC' page with a search criteria section and a table of users. An arrow labeled 'Filter Users' points to the search criteria section.

Search Criteria:

Username: Email: Select:

Username	Email	Address	Contacts	Role	Operations
ECR210703222S	adrian@smail.com			EDITOR	<input type="button" value="Ban"/> <input type="button" value="Password Reset"/>
WSP210703706K	jen.xi@gmail.com			WORKSHOP-PRESENTER	<input type="button" value="Ban"/> <input type="button" value="Password Reset"/>
RA210703827U	Qi@cmail.com			RESEARCHER	<input type="button" value="Ban"/> <input type="button" value="Password Reset"/>
CRR210703161P	roy.de@hotmail.com			REVIEWER	<input type="button" value="Ban"/> <input type="button" value="Password Reset"/>

Author, Workshop presenter, Attendee Registration

1. Users, such as authors, workshop presenters and attendees, needs to register before login to the system by checking the relevant user type.

The screenshot shows the 'Registration' form on the 'International Conference of Application Frameworks 2021 - User Portal'. The form includes input fields for Email Address, Password, Contact no 1, Contact no 2, and Address. Below these are three checkboxes for user types: Paper Author, Workshop Presenter, and Attendee. A bracket groups these checkboxes with a box labeled 'Three Types of Users'. At the bottom are 'Register' and 'Login' buttons.

International Conference of Application Frameworks 2021 - User Portal

Registration

Email Address

Password

Contact no 1

Contact no 2

Address

Paper Author ☐

Workshop Presenter ☐

Attendee ☐

Three Types of Users

2. After a successful registration, user will have a unique Username created by the server.

The screenshot shows the 'Registration' form after a successful registration. A box labeled 'Created Username' with an arrow points to the text 'username = RA210703106L'. The form fields are now populated with the user's registration details. The 'Paper Author' checkbox is checked.

Created Username → username = RA210703106L

Registration

Email Address

Password

Contact no 1

Contact no 2

Address

Paper Author ☒

Workshop Presenter ☐

Attendee ☐

User Login

1. User can log in to the system by using the username given by the server and the password.

The screenshot shows the 'User Portal' for the 'International Conference of Application Frameworks 2021'. It features a header with a network diagram and the text 'ICAF 2021'. The main content area has a 'Login' form with two input fields: 'Enter username' and 'Enter password'. Below these fields are two buttons: a green 'Login' button and a blue 'Register' button. A link labeled 'Forgot Password' is positioned below the 'Register' button. At the bottom of the page, there is a footer with a small 'UP' logo and the text: '© 2021 Sri Lanka Institute of Information Technology, developed by EagleEyes on behalf of AF project, All Rights Reserved'.

2. If the user forgets the password, he/she can go to the forgot password link, and fill the form to get a new password.

This diagram illustrates the user flow for password reset. On the left, the 'Login' form is shown with an orange arrow pointing from the 'Forgot Password' link to the right. On the right, the 'Password Reset Request' form is displayed. This form includes two input fields: 'Enter Username' and 'Enter Email'. At the bottom of this form are two buttons: a red 'Request Reset' button and a green 'Login' button.

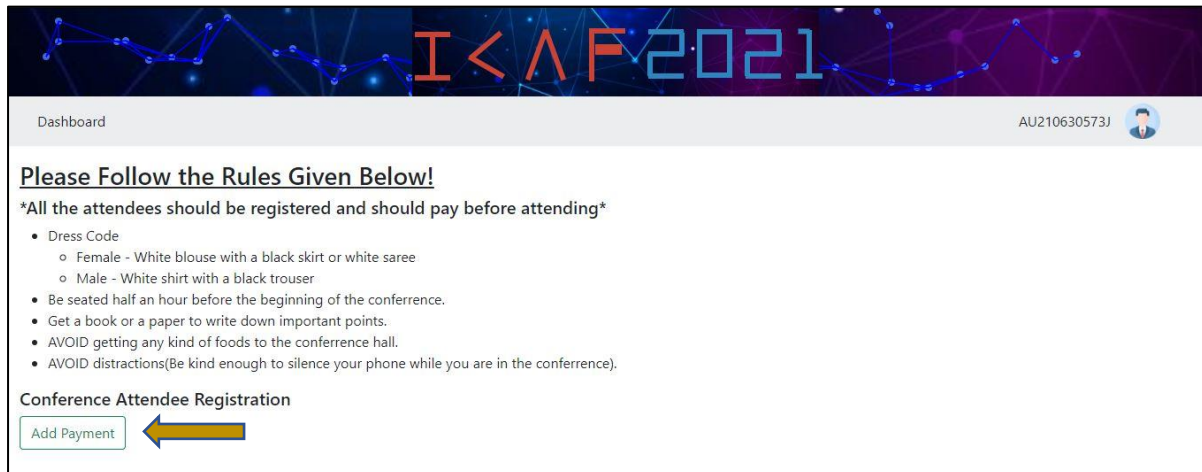
3. User profile can be viewed after login.

The 'User Profile' page displays a list of user details, each with a corresponding input field for editing. The details are: Username (RA210703106L), Email Address (gayaani@gmail.com), Password (Enter Password), Contact no 1 (0712587412), Contact no 2 (0758741258), Address (23/D, Kadana), and Current Password (Enter current password). A green 'Save' button is located at the bottom right of the profile section.

Attendee UI

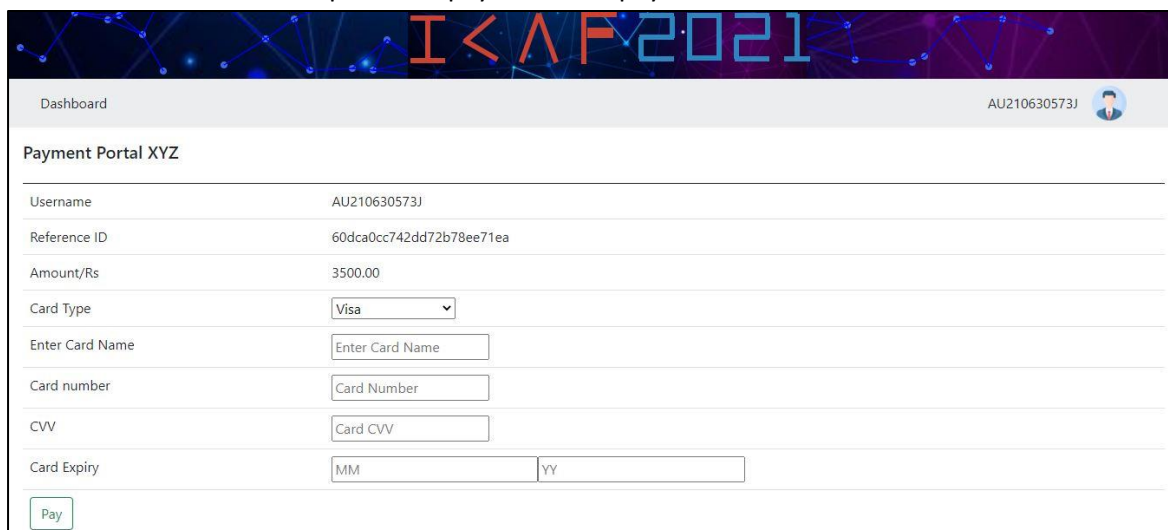
Attendee Dashboard

1. After login to the system as an attendee, this is the redirected page. In here there are set of instructions that is need to considered by an attendee in order to participate in a conference.



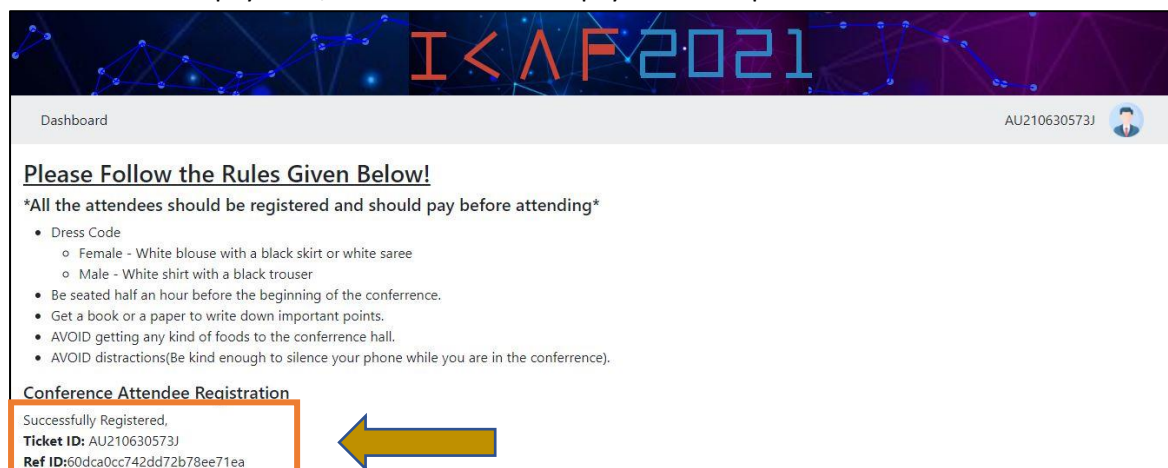
The screenshot shows the Attendee Dashboard. At the top is a header with a blue and purple geometric pattern and the text 'I < ^ F 2021'. Below the header is a navigation bar with 'Dashboard' on the left and 'AU210630573J' with a user icon on the right. The main content area has a heading 'Please Follow the Rules Given Below!' followed by a note: '*All the attendees should be registered and should pay before attending*'. Below this is a list of rules: Dress Code (Female: White blouse with a black skirt or white saree; Male: White shirt with a black trouser), Be seated half an hour before the beginning of the conference, Get a book or a paper to write down important points, AVOID getting any kind of foods to the conference hall, and AVOID distractions (Be kind enough to silence your phone while you are in the conference). At the bottom, there is a section titled 'Conference Attendee Registration' with a button labeled 'Add Payment' and a large yellow arrow pointing to it.

2. Attendee needs to provide a payment. The payment UI is as below.



The screenshot shows the 'Payment Portal XYZ'. It has the same header and navigation bar as the dashboard. The main content area is titled 'Payment Portal XYZ' and contains a form with the following fields: Username (AU210630573J), Reference ID (60dca0cc742dd72b78ee71ea), Amount/Rs (3500.00), Card Type (Visa dropdown), Enter Card Name (text input), Card number (text input), CVV (text input), and Card Expiry (MM and YY text inputs). A 'Pay' button is at the bottom left.

3. After the payment, user will receive the payment receipt as follows.



The screenshot shows the payment receipt page. It has the same header and navigation bar. The main content area has the heading 'Please Follow the Rules Given Below!' and the note '*All the attendees should be registered and should pay before attending*'. Below this is the same list of rules as in the dashboard. At the bottom, there is a section titled 'Conference Attendee Registration' with a box containing the text: 'Successfully Registered, Ticket ID: AU210630573J, Ref ID:60dca0cc742dd72b78ee71ea'. A large yellow arrow points to this box.

Researcher UI

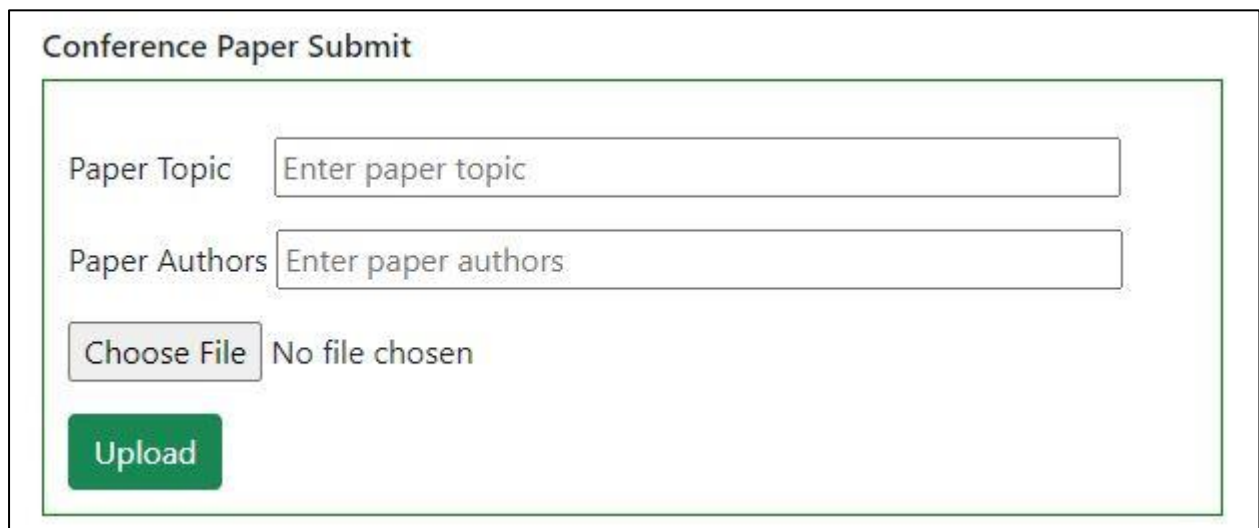
Researcher Dashboard

1. After login to the system as a researcher the following page will be visible to the user.



The screenshot shows the Researcher Dashboard. At the top, there is a banner with the text "I < ^ F 2021" and a network diagram. Below the banner, the word "Dashboard" is on the left and "RA210703106L" with a user profile icon is on the right. The main content area has a heading "Please Follow the Rules Given Below Before Submitting Your Paper!". Below this heading, there are two sections of rules. The first section is titled "*All accepted and presented full papers to be submitted for publication to the IEEE Xplore*" and contains four bullet points: "All papers should be written in English.", "Maximum length of a paper is limited to 6 printed A4 pages in given format.", "Use the IEEE template while preparing full research papers.", and "Review process is Double-blind. Follow the following instructions in your first submission." with two sub-bullets: "AVOID including any authors' information such as name, phone number, e-mail, etc." and "AVOID including any grant information or personal acknowledgements in the initial manuscript (This is a must).". The second section is titled "*Use the following guidelines when submitting full papers*" and contains two bullet points: "All papers should be written according to the given template." and "Remember to login to the system by selecting the correct check box."

2. Researcher can upload research papers to the system.



The screenshot shows the "Conference Paper Submit" form. It has a title "Conference Paper Submit" at the top. Below the title, there are two input fields: "Paper Topic" and "Paper Authors", both with placeholder text "Enter paper topic" and "Enter paper authors" respectively. Below these fields, there is a "Choose File" button and the text "No file chosen". At the bottom, there is a green "Upload" button.

3. Past submission and the added submissions can be viewed as below.

Past Submissions				
Paper ID	Paper	Authors	Status	Payments
60e017eec33ae9227074de1e	Digital technologies for an inclusive, low-carbon future that puts people first	Liz Carlile	on-review	pending
60e0189bc33ae9227074de1f	Mobile phones: the silver bullet to bridge the digital divide? (PLA 59)	ROXANNA SAMII	on-review	pending

Workshop Presenter UI

Workshop Presenter Dashboard

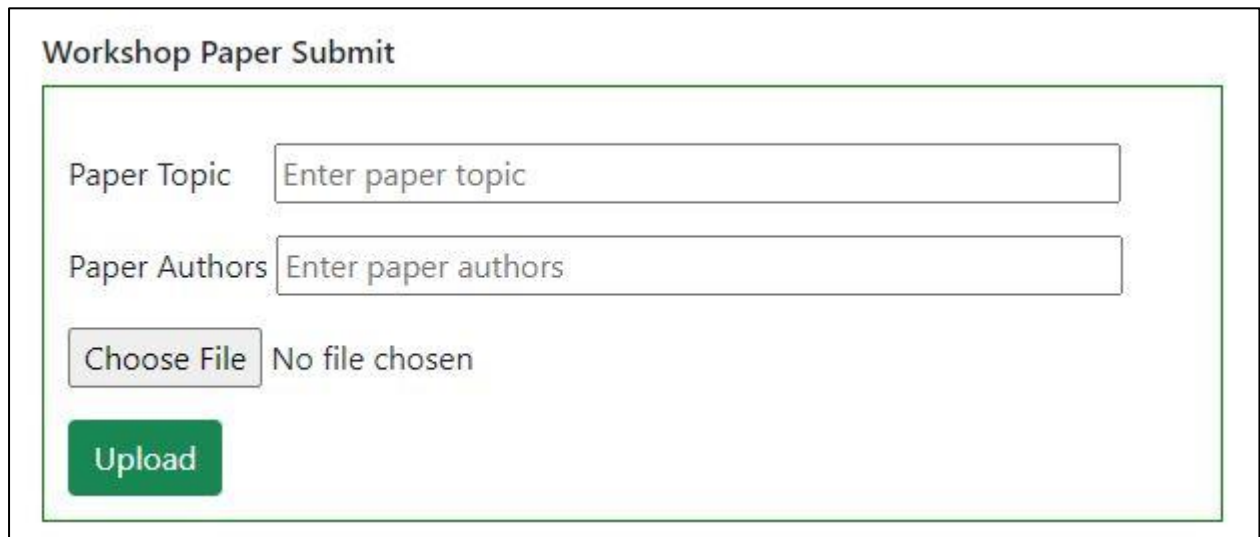
1. When login as a workshop presenter the dashboard is as follows. It shows the rules and instructions needs to follow by the workshop presenter.



The screenshot shows the 'Dashboard' for a workshop presenter. At the top, there is a banner with the text 'I < ^ F 2021' and a network diagram. Below the banner, the page title is 'Dashboard' and the user ID is 'SAO1031213B'. The main heading is 'Instructions for the Workshop Presenters'. Below this, there is a note: '*All the Workshop Presenters should be registered*'. A list of instructions follows:

- Dress Code
 - Female - Formal wear
 - Male - Formal wear
- Make sure to check your profile in order to see whether the proposal got accepted or not.
- If the workshop proposal got accepted, then be ready to conduct the session in the given time.
- AVOID getting any kind of distractions while conducting the session.
- Make sure to collaborate with the fellow presenters.

2. The workshop paper can be uploaded to the system.



The screenshot shows the 'Workshop Paper Submit' form. It contains the following fields and buttons:

- Paper Topic**: A text input field with the placeholder 'Enter paper topic'.
- Paper Authors**: A text input field with the placeholder 'Enter paper authors'.
- Choose File**: A button that, when clicked, shows 'No file chosen'.
- Upload**: A green button to submit the paper.

3. Past submission and the newly added submissions can be viewed as below.

Past Submissions			
Paper ID	Paper	Authors	Status
60e01a37c33ae9227074de20	Arduino Based weather monitoring	Mr. Sanjaya Diwakara	on-review
60e01a8fc33ae9227074de21	Microsoft Internet of Things	Dr. Kariyawasam	on-review

Editor Functions

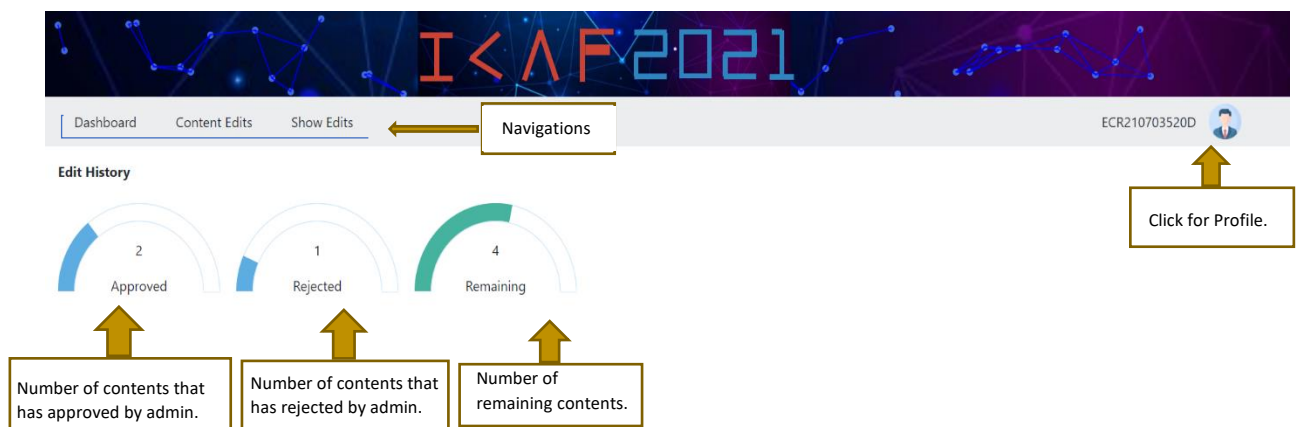
1. Login as editor.

Username : ECR210703520D

Password : =1DP4W@W=

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2. After submitting the correct credentials(login) the dashboard for editor will be automatically loaded.



- Go to Content Edit tab for edit the conference details.

Dashboard Content Edits Show Edits ECR210703520D

Conference Details

Conference Name: International Conference on Application Frameworks

Topics
1. Enter Topic

x. Add New Topic

Keynotes

First Keynote Speaker	Dr.Lei	www.google.lk
Second Keynote Speaker	Dr.Kei	www.google.lk
Third Keynote Speaker	Dr.Jei	www.google.lk

Deadlines

Paper Submission Deadline: mm/dd/yyyy --:-- --

Options

Paper Review Deadline: mm/dd/yyyy --:-- --

Expected number of Papers: 0

Conference Start Date: 10/11/2021 08:30 AM

Conference Venue: SLIIT Malabe Campus, New Kandy Rd, Malabe 10115

Conference End Date: 10/13/2021 08:30 AM

Conference Tag: Tag

Save

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- Go to Show Edit tab for view edited values and their status [approved, unapproved, rejected].

Dashboard Content Edits Show Edits ECR210703520D

Conference Edit History

Change ID	Changed Field	Previous Value	New Value	Status
60dfd455f6eee720e0d02c90	keynotes	[{"name":"Dr.Lei","link":"www.google.lk"}, {"name":"Dr.Kei","link":"www.google.lk"}, {"name":"Dr.Jei","link":"www.google.lk"}]	[{"name":"Dr.Elizerbeth","link":"www.google.lk"}, {"name":"Dr.Kei","link":"www.google.lk"}, {"name":"Dr.Jei","link":"www.google.lk"}]	UNAPPROVED
60dfd4e2f6eee720e0d02c91	papersExpected	0	"500"	REJECTED
	startDate	""	"2021-10-11T08:30"	APPROVED
	endDate	""	"2021-10-13T08:30"	APPROVED
60dffe3ff6eee720e0d02c94	papersExpected	0	"300"	UNAPPROVED
	topics	[""]	["Node JS",""]	UNAPPROVED
60dffec0f6eee720e0d02c95	submissionDeadline	""	"2021-10-08T00:00"	UNAPPROVED

Reviewer Functions

- 1) Login as a Reviewer.

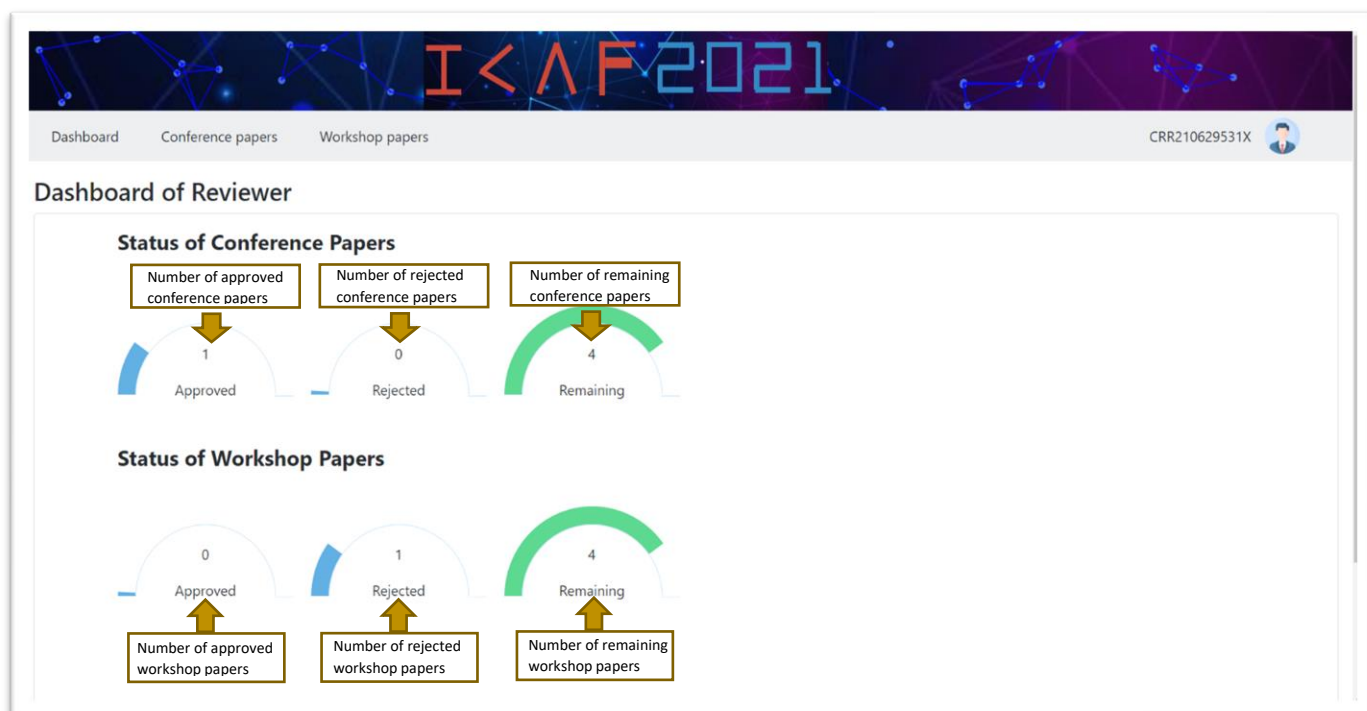
Username : CRR210629531X

Password : \$4HG7E=E#

A login form titled 'Login' with a light purple background. It contains two input fields: one for the username 'CRR210629531X' and another for the password, masked with '*****'. Below the fields are two buttons: a green 'Login' button and a blue 'Register' button. At the bottom, there is a link for 'Forgot Password'.

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- 2) After submitting the correct credentials(login) the reviewer dashboard will be loaded automatically.



- 3) Navigate to Conference papers to view the received conference papers. Reviewer can either accept reject the conference paper after completing the review. When a conference paper is accepted or rejected the status is updated and the indicator in the dashboard for conference papers is automatically updated.

<

- 4) Navigate to Workshop papers to view the received workshop proposals. Reviewer can either accept reject the workshop proposals after completing the review. When a workshop proposal is accepted or rejected the status is updated and the indicator in the dashboard for workshop papers is automatically updated.

Home – Visitor Site

The screenshot shows the homepage of the 4th International Conference on Application Frameworks 2021 (ICAF2021). The header features a navigation bar with links: Home, Keynote Speakers, Committee, Contact us, Register, and Login. A 'Navigations' label points to this bar. On the left, a sidebar contains links for 'For Authors >', 'Workshops >', and 'For Attendee >', with a 'Side Navigations' label pointing to them. Below these are news updates, with a 'News Field' label pointing to the first one. The main content area has a large banner for the conference, including the dates 'Thu Nov 11 to Sun Nov 14' and a 'Book Tickets Now' button. Below the banner is the 'About Conference' section, which describes the conference's purpose and organizers. At the bottom, there is a 'KEYNOTE SPEAKERS' section featuring three speakers: Prof. Elizabeth Melinda, Prof. B.L. William Wong, and Prof. Xiaobo Qu. Below this is a statistics section with icons and numbers: 500 Attendees, 3 Keynote Speakers, 4 Days, and 40 Workshops. The footer includes a 'Past ICAF Conferences' section with a grid of images and a copyright notice: '© 2021 Sri Lanka Institute of Information Technology, developed by EagleEyes on behalf of AF project, All Rights Reserved'.

Home – Visitor Site

Home Keynote Speakers Committee Contact us Register Login

Navigations

For Authors >
Workshops >
For Attendee >

Side Navigations

News
Sat Jul 03 2021
23:01:01 GMT+0530
(India Standard Time)
startDate updated to
2021-11-11T09:00

Sat Jul 03 2021
23:01:01 GMT+0530
(India Standard Time)
endDate updated to
2021-11-14T09:00

Sat Jul 03 2021
22:57:55 GMT+0530
(India Standard Time)
keynotes updated to
[object Object],[object
Object],[object Object]

News Field

4TH INTERNATIONAL CONFERENCE ON
APPLICATION FRAMEWORKS 2021

Thu Nov 11 to Sun Nov 14

Sri Lanka Institute of Information Technology

Book Tickets Now

About Conference

4TH INTERNATIONAL CONFERENCE ON APPLICATION FRAMEWORKS 2021

The 4th International conference on Application Frameworks - 2021 (ICAF2021) 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

NOVEMBER 11-14 IN SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

KEYNOTE SPEAKERS

PROF. ELIZABETH MELINDA
Department of Psychological Medicine,
University of Auckland

PROF. B.L. WILLIAM WONG
Middlesex University London

PROF. XIAOBO QU
Urban Mobility Systems, Architecture and
Civil Engineering, Chalmers University of
Technology, Sweden

500
ATTENDEES

3
KEYNOTE
SPEAKERS

4
DAYS

40
WORKSHOPS

Past ICAF Conferences

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Reviewer-Visitor Site

1) A visitor can view the submission guidelines by navigating to submission guideline page.

The screenshot shows the ICAF 2021 website. The header includes navigation links: Home, Keynote Speakers, Committee, Contact us, Register, and Login. A sidebar on the left has a 'Click here' button pointing to 'Submission guidelines'. The main content area is titled 'Format of Workshop Proposal' and displays a diagram of a 12-page proposal format. To the right of the diagram is a list of 10 requirements for the proposal.

Format of Workshop Proposal

1. Workshop Organizers logo
2. Title of Workshop
3. Preferred Image
4. Scope and topics of the workshop (max 1 page)
5. Rationale (max 1 page)
Why is this a current and relevant topic?
Why will a large number of high-quality entries be attracted to the workshop?
In addition to the writers, why would the workshop draw such a huge crowd?
6. A brief biography of the event's organizers
7. Names of possible participants, such as members of the program committee and invited speakers
8. Planned format of the workshop, including
Duration of the workshop: Half-day, Full-day and tentative schedule
Preferred day of workshop
Number of refereed papers, hot topic sessions, keynotes
Workshop forms that are unique, innovative, and original are greatly welcomed.
9. An outline of the marketing strategy
10. Website address

The accepted submission format is Pdf

2) A visitor can view approved workshop proposals by navigating to workshops.

The screenshot shows the ICAF 2021 website. The header includes navigation links: Home, Keynote Speakers, Committee, Contact us, Register, and Login. A sidebar on the left has a 'Click here' button pointing to 'Workshops'. The main content area is titled 'Workshops' and lists the following information:

Following is the list of workshops, which will be organized as a part of ICAF 2021.

Registration Deadline: Sat Jun 05 2021 18:38:00 GMT+0530 (India Standard Time)

Workshop 1
[Download the Workshop Flyer](#)

Workshop 2
[Download the Workshop Flyer](#)