

ICAF 2021

INTERNATIONAL CONFERENCE ON APPLICATION FRAMEWROKS
USER GUIDE

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Description

The academic conference held by the Sri Lanka Institute of Information Technology is called the International Conference on Application Frameworks (ICAF) (SLIIT). Users may present results, run workshops, submit research papers, write blogs, register for the system, and approve research papers and workshops using our conference administration tool. Anyone will be able to obtain research paper and workshop templates. Before using the above features, users must first register with the system. Researchers will present their most current findings and implementations of many programming languages, including Java, JavaScript, Python, and PHP, during this conference. The conference will be held on the grounds of SLIIT. This site is primarily accessible to four roles: administrator, editor, reviewer, and user. Users can sign up to participate as a researcher, a workshop presenter, or a workshop participant.

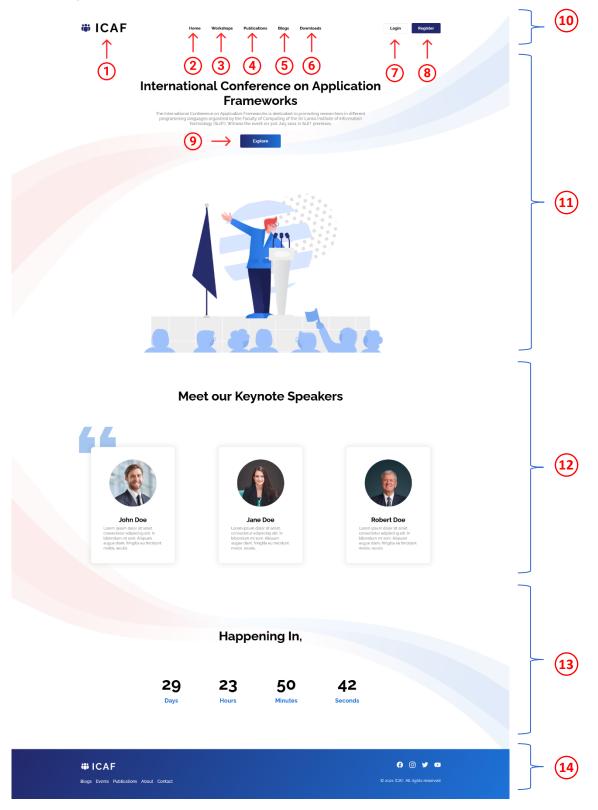
A user must choose between being a researcher, a workshop presenter, or an attendee throughout the registration procedure. When researchers and workshop presenters register with the system, they must contribute work-related information. All users are required to submit their contact information. Attendees must pay an advance fee for the conference when they register in the system.

Researchers and workshop presenters can upload research papers and workshop-related requests to the system, and reviewers can approve them. Those prepared conference materials might also be rejected by reviewers. Researchers must pay a fee to present at the conference if the reviewer approves their research papers. When a reviewer accepts or rejects a research paper or a workshop presentation, the appropriate user is notified of their approvals or rejections.

The editor can add conference information, notices, modify information, and remove information. All activities (blogs, research papers, workshops, payments, conference information, and registered users list) are visible to the administrator, and the administrator may also approve conference details that the editor uploads. Before the editor's material may be published on the website, the administrator must approve it.

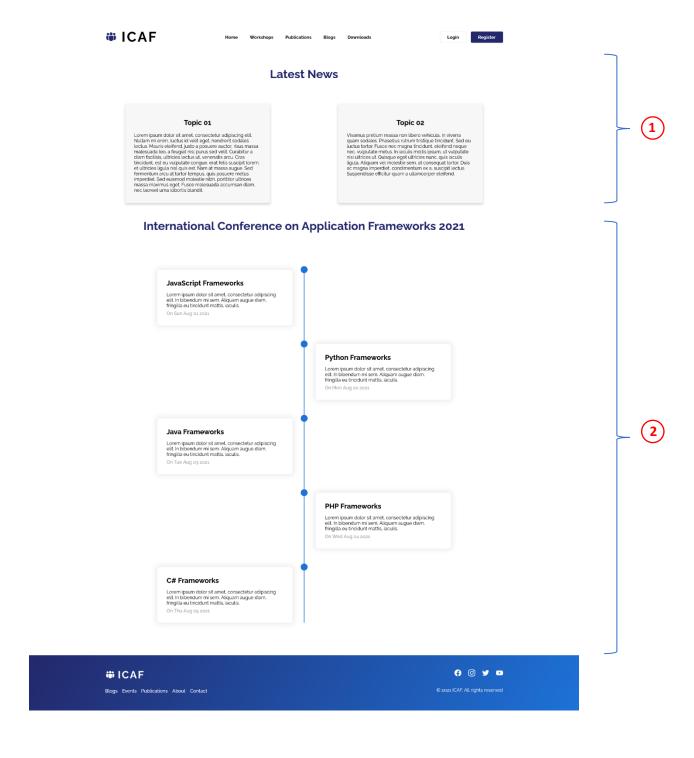
User Interface Guidelines

Home Page



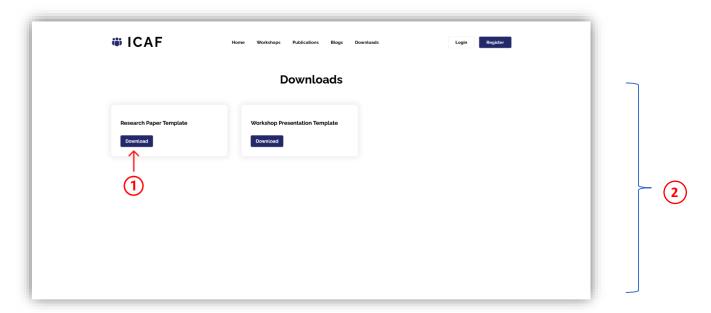
- 1. Logo Logo of the ICAF also act as link to the home page.
- 2. Home Navigation link to home page.
- 3. Workshops Navigation link to approved workshops page. (Login required)
- 4. Publications Navigation link to approved research papers page. (Login required)
- 5. Blogs Navigation link to blogs written by researchers' page. (Login required)
- 6. Downloads Navigation link to template downloads page.
- 7. Login Navigation link to login page.
- 8. Register Navigation link to registration page.
- 9. Explore Navigation link to Explore page.
- 10. Navigation Bar
- 11. Landing Section Contains conference related information including about conference, venue, and date.
- 12. Key Speakers Section Contains details about key speakers including name and details.
- 13. Countdown Section Contains days, hours, minutes, and seconds remaining to start date of the conference.
- 14. Footer Contains social media links and copyrights information.

Explore Page



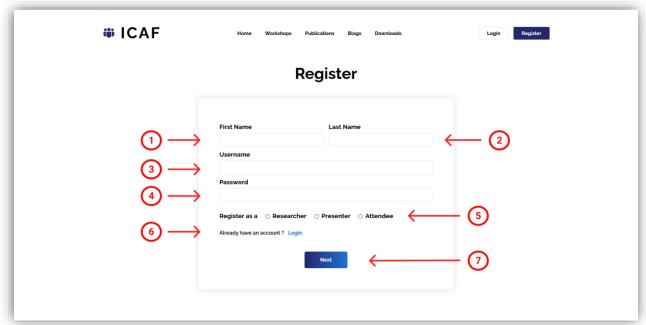
- 1. Latest News Section Contains News regarding conference on according to relevant date.
- 2. Conference Plan Section Contains what framework is planned to discuss in each day throughout conference.

Downloads Page



- 1. Download Button Download button to download workshop template and research paper template.
- 2. Downloads Section Templates which are available anyone to download.

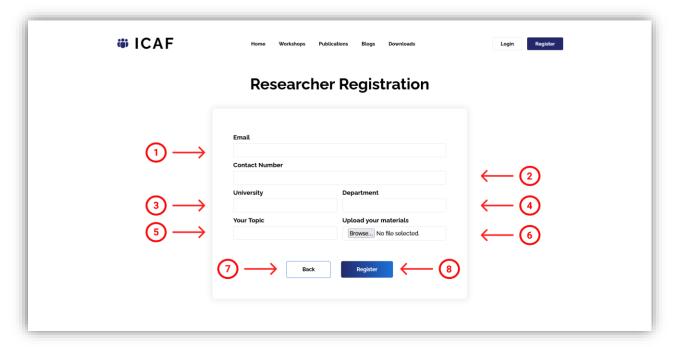
Registration Page (Step 1)



This page component is common for all the users (Researcher, Presenter, Attendee). After user selecting the user type and click next, step 2 of the registration process will be rendered based on user type input value.

- 1. Input for first name of the registering user.
- 2. Input for last name of the registering user.
- 3. Input for the username of the registering user.
- 4. Input for the password of the registering user.
- 5. Input for the user type selection. Registering user can select the user type as Researcher, Presenter or Attendee.
- 6. Navigation link to Login page (If the user already has an account).
- 7. Navigation link to next step of the registration process.

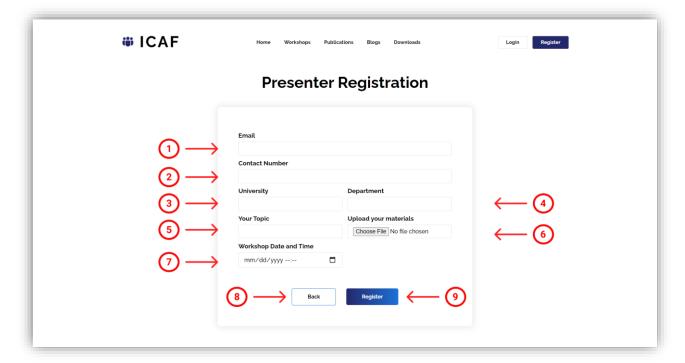
Researcher Registration Page (Step 2)



This component is for researchers to enter researcher specific details.

- 1. Input for the researcher's email.
- 2. Input for the researcher's contact number.
- 3. Input for the researcher's university name.
- 4. Input for the researcher's department in the university.
- 5. Input for the research paper topic.
- 6. Input for the upload the research paper. (Only pdf, ppt, pptx, zip, rar files are allowed)
- 7. Navigation link to the previous step.
- 8. Submit button for the registration.

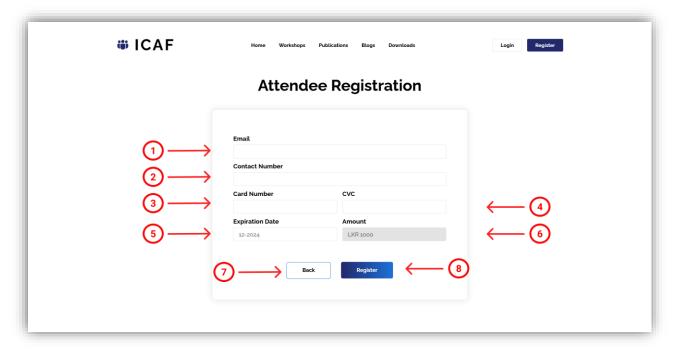
Presenter Registration Page (Step 2)



This component is for presenters to enter presenter specific details.

- 1. Input for the presenter's email.
- 2. Input for the presenter's contact number.
- 3. Input for the presenter's university name.
- 4. Input for the presenter's department in the university.
- 5. Input for the workshop topic.
- 6. Input for the upload the workshop materials. (Only pdf, ppt, pptx, zip, rar files are allowed)
- 7. Input for the workshop date and time.
- 8. Navigation link to the previous step.
- 9. Submit button for the registration.

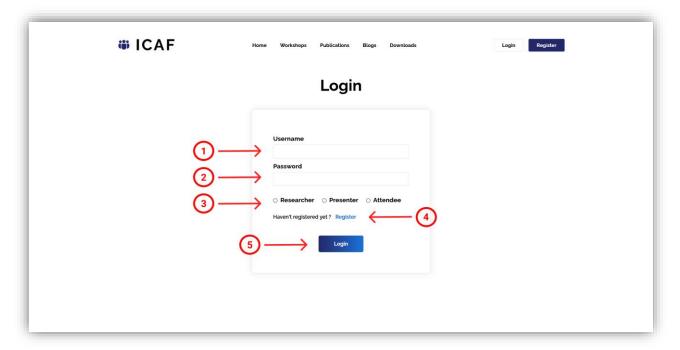
Attendee Registration Page (Step 2)



This component is for attendees to enter attendee specific details. Since attendees must pay upfront fee to register for the conference. Attendees should enter their credit card details and the amount is fixed as Rs. 1000.

- 1. Input for the attendee's email.
- 2. Input for the attendee's contact number.
- 3. Input for the card number.
- 4. Input for the card verification code of the credit card.
- 5. Input for the expiring date of the credit card.
- 6. Disabled input for the upfront fee which is fixed as 1000 rupees.
- 7. Navigation link to the previous step.
- 8. Submit button for the registration.

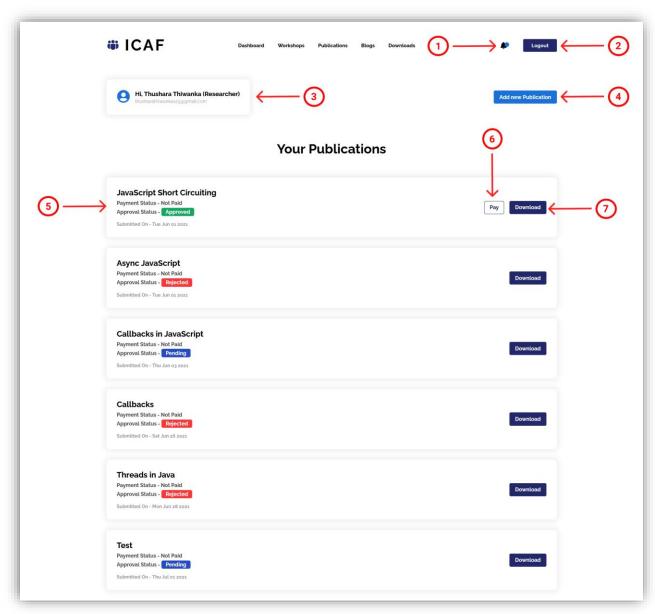
Login Page



When in the login, there will be two main types of users which are moderators and users. All the users use the same login to the login to the system. To identify the moderators, moderator type will be indicated after the username such as username@admin, username@editor, username@reviewer. Based on containing user type moderators will be redirected to the certain dashboard if the login credentials were correct. In the user login user must select the user type, based on selected user type users will be redirected to the relevant dashboard.

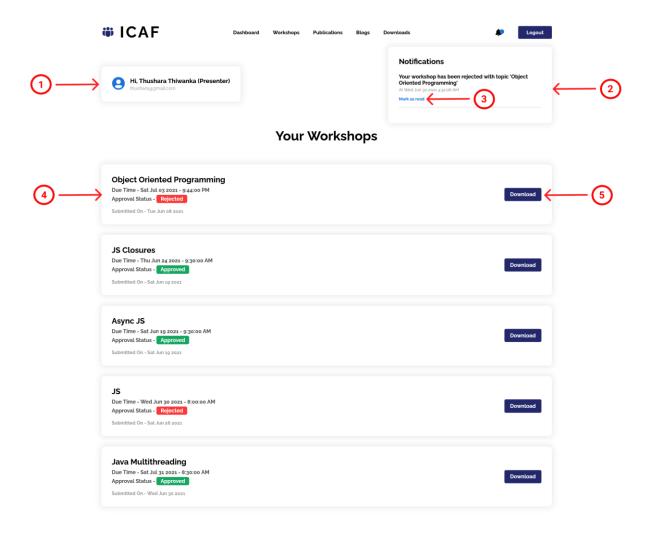
- 1. Input for the username.
- 2. Input for the password.
- 3. Input for select the user type.
- 4. Navigation link to registration page (If the user hasn't registered)
- 5. Login button to submit given credentials.

Researcher Dashboard Page



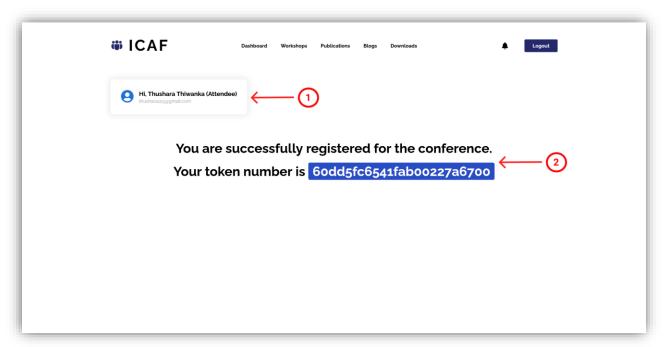
- 1. Notification Toggle Icon Open the notification tray when clicked.
- 2. Logout Button Logs out the user.
- 3. User Greeting Greeting message which includes user's name and user type.
- 4. Navigation link to add new publication page.
- 5. Publication card acts as container for each publication which includes submitted research paper's details and action buttons.
- 6. Pay button This will only appear when reviewer has approved the publication which navigates to the payment form.
- 7. Download button This will download the research paper.

Presenter Dashboard Page



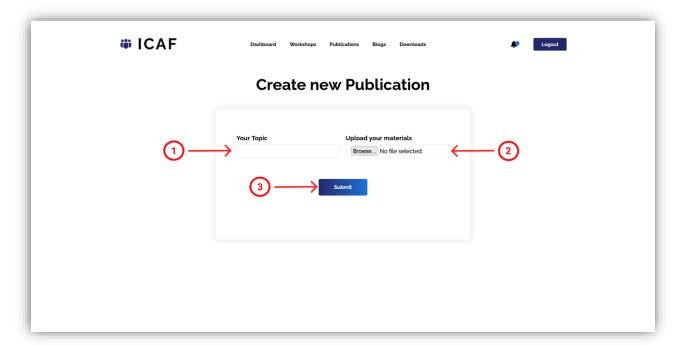
- 1. User Greeting Greeting message which includes user's name and user type.
- 2. Notification Tray Shows notifications of the certain user. Each notification contains topic (which describes what happened rejected, or approved), approved or rejected time and the mark as read button.
- 3. Mark as Read Button Clears the notification from notification tray.
- 4. Workshop card acts as container for each workshop which includes submitted workshop details and download button.
- 5. Download button This will download the workshop materials.

Attendee Dashboard Page



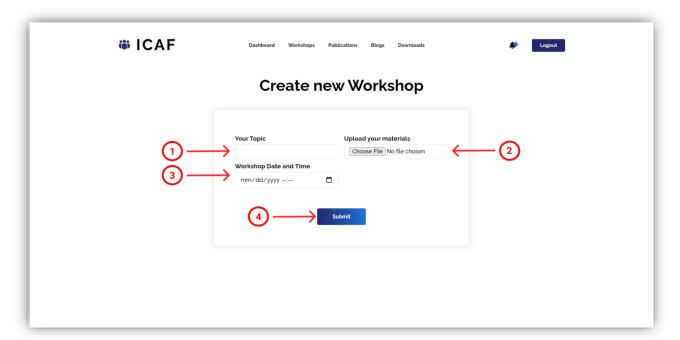
- 1. User Greeting Greeting message which includes user's name and user type.
- 2. Success Message for Attendee Display success message and display the attendee's id as the token number for the conference.

Add new Publication Page



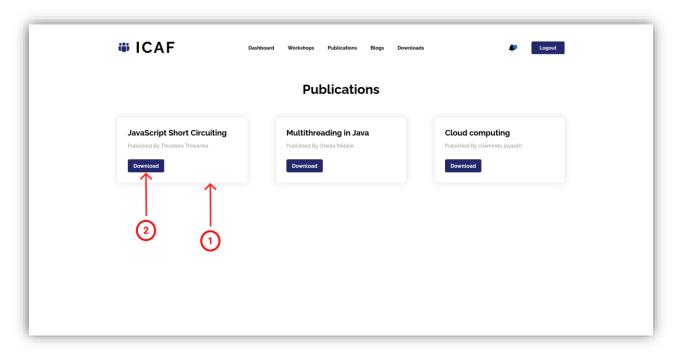
- 1. Input for the research paper topic
- 2. Input for the upload the research paper. (Only pdf, ppt, pptx, zip, rar files are allowed)
- 3. Submit button for the submit research paper details.

Add new Workshop Page



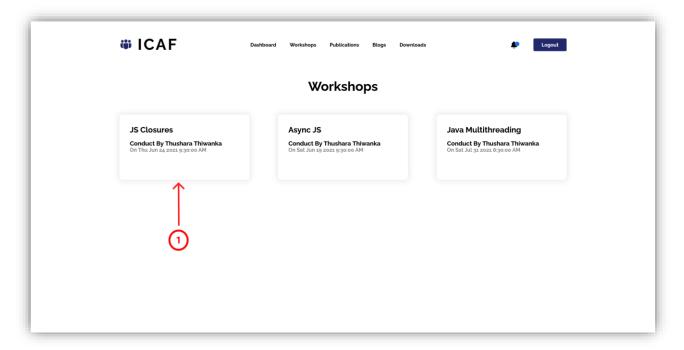
- 1. Input for the workshop topic
- 2. Input for the upload the workshop materials. (Only pdf, ppt, pptx, zip, rar files are allowed)
- 3. Input for the workshop date and time.
- 4. Submit button for the submit workshop details.

Approved Publications Page



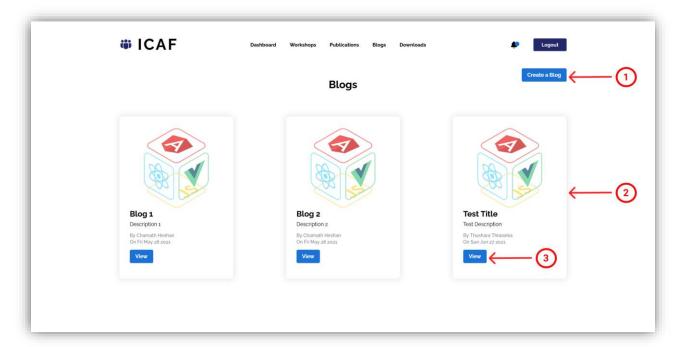
- 1. Publication card acts as container for each publication which includes approved research paper's details and download button.
- 2. Download button for download research paper.

Approved Workshops Page



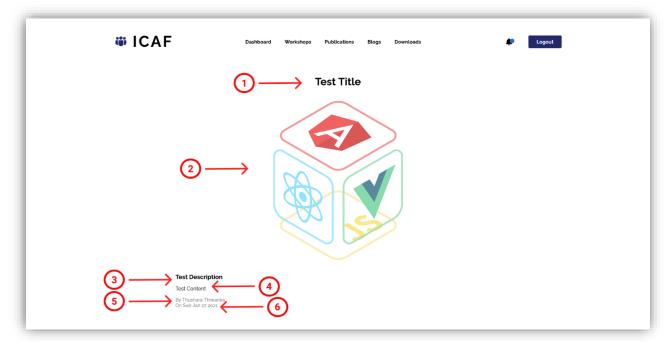
1. Workshop card acts as container for each workshop which includes approved workshop details.

Blogs Page



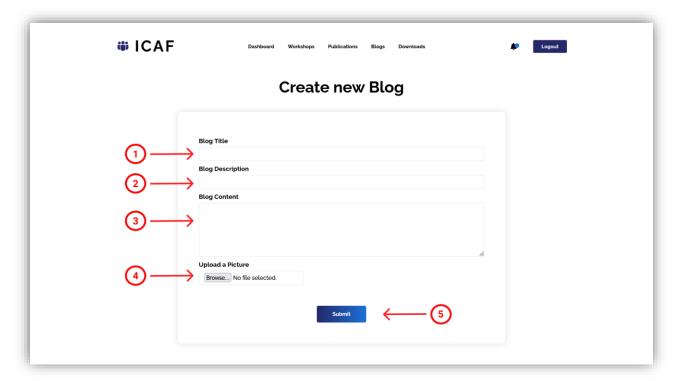
- 1. Navigation link for create blog page. (Only appeared for researchers)
- 2. Blog container which includes blog summary.
- 3. View Button View the certain blog details when clicked.

View Blog Page



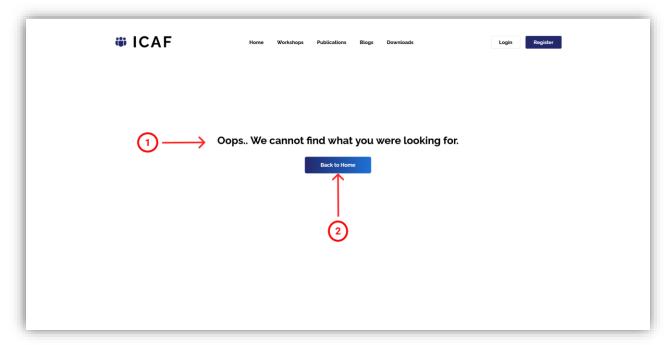
- 1. Blog topic
- 2. Picture for the headline of the blog article
- 3. Brief description of the blog article
- 4. Content of the blog article
- 5. Creator of the blog article
- 6. Posted date of the blog article

Create new Blog Page



- 1. Input for the blog article topic
- 2. Input for the blog article description
- 3. Input for the blog article content
- 4. Input for the upload the header picture for the blog article. (Only png and jpeg files are allowed)
- 5. Submit button for the submit the blog article details.

404 Error Page



Some routes of the application cannot be accessed without logging in even through manually typing URL such as publications, user dashboards etc. If user tries to access these protected routes user will be redirected to the login page. Also, logged in user tries to access routes that not relevant to that particular user that will redirect the user back to their relevant dashboard page. When the user type invalid route as the URL and tries to access that route will be redirected to the 404-error page. There will be link to back to home or back to profile based on user logged in or not. If the user logged in and clicks the back to profile button user will be navigated to relevant user's dashboard. If the user not logged in and clicks the back to home button user will be navigated to home page.

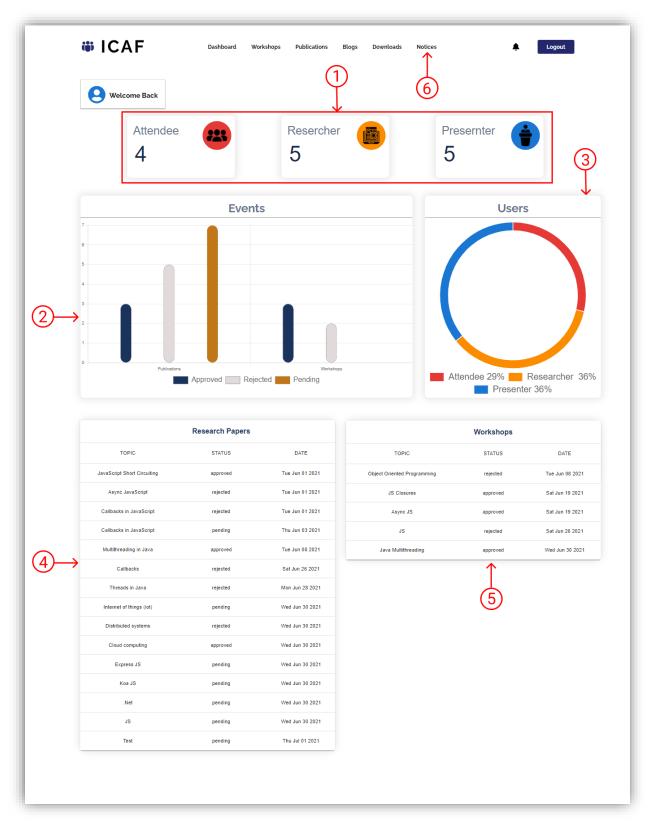
- 1. Error message for the user
- 2. Back to home/back to profile button For navigate back to home page or profile dashboard

Publication Payment



- 1. Input field for enter credit card or debit card number.
- 2. Input file for enter CVC in the card.
- 3. Input filed for enter expiration date in the card.
- 4. Pay button for submit card details.

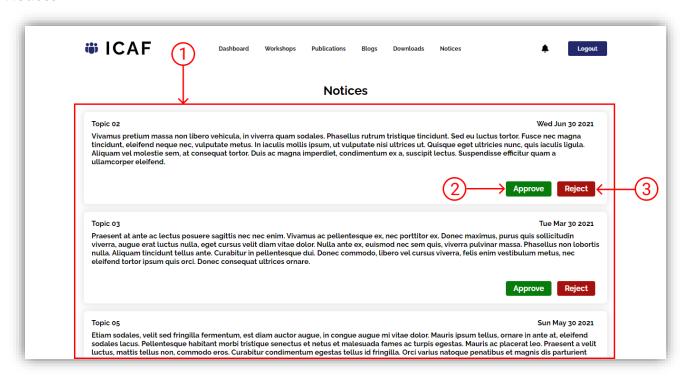
Admin dashboard



- 1. Show number of current attendees, researchers, and presenters in the system.
- 2. Bar chart which shows number of current publications and workshops in the system.
- 3. Drought chart which shows current users in the system.
- 4. Table which shows all current publications (research papers) in the system.
- 5. Table which shows all current workshops (research papers) in the system.

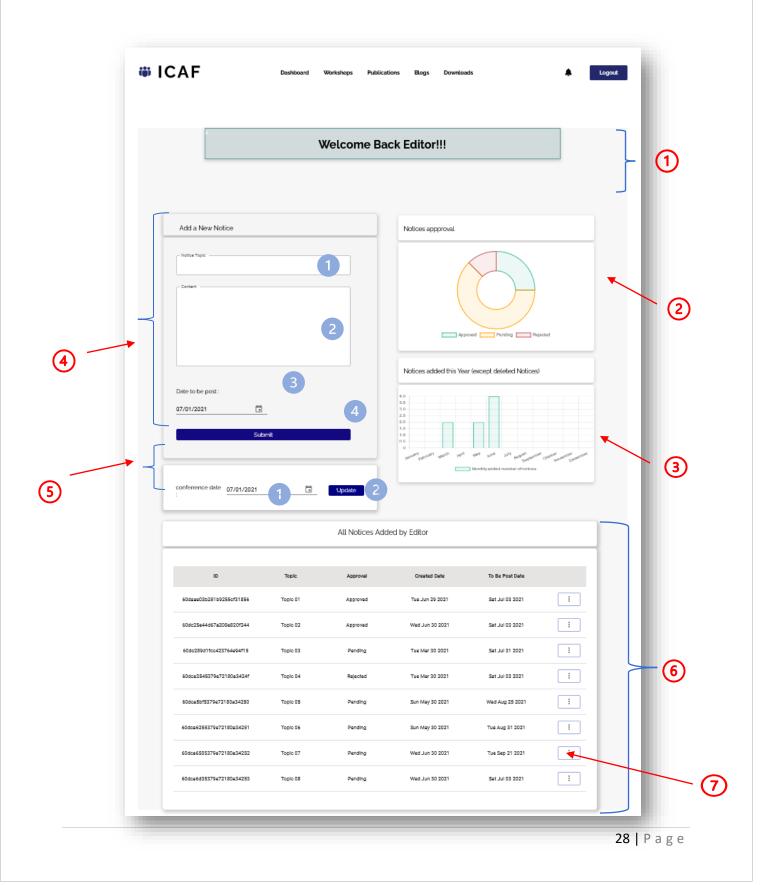
Admin can navigate to notices from the dashboard by clicking Notice link (6) in the navigation bar.

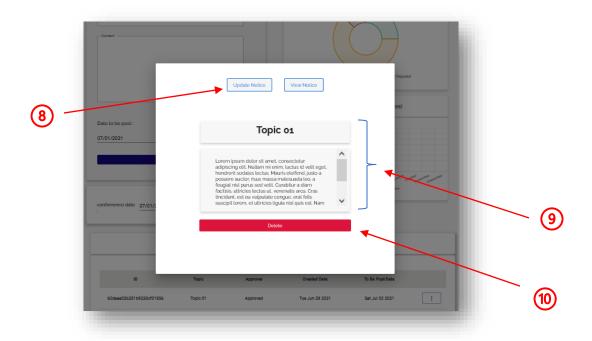
Notices

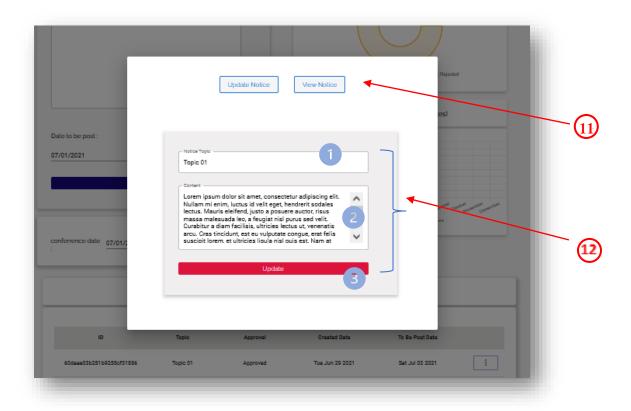


- 1. Shows all pending notices.
- 2. Approve button to approve relevant notices for show to the users.
- 3. Reject button to reject relevant notices.

Editor dashboard

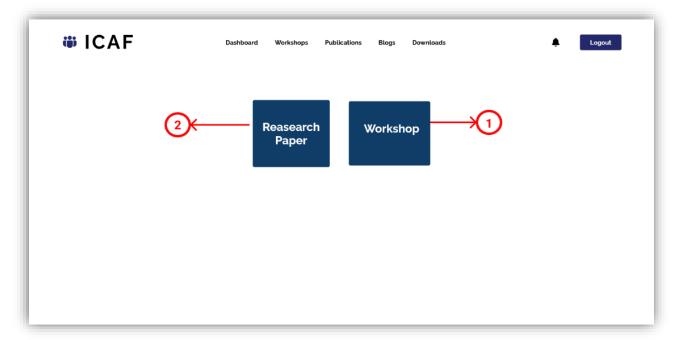






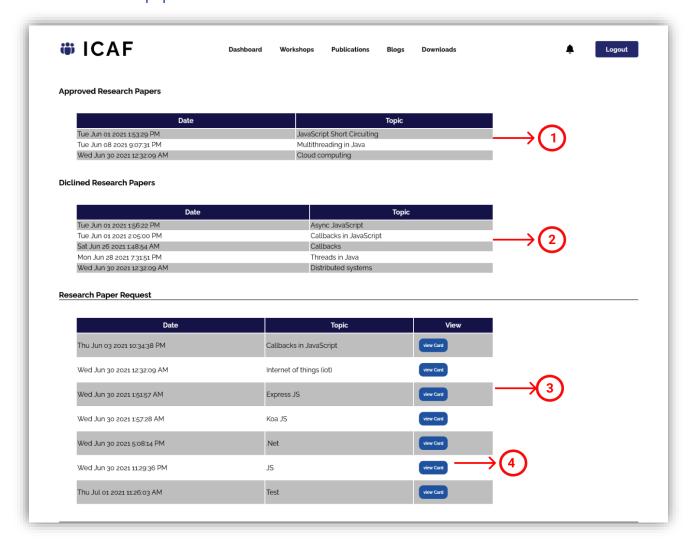
- 1. Welcome message displays when editor login system.
- 2. Doughnut chart Display the total number of approved, rejected, and pending notices.
- 3. Bar chart Display the total number of notices added by editor except the deleted ones.
- 4. Form Add a new notice to the system.
 - 1. Topic input field Input topic of the notice.
 - 2. Content input field Input the content of the notice.
 - 3. Date input field Input the that notice need to be post one the web page.
 - 4. Submit button Save the notice.
- 5. Conference update field Can update conference date.
 - 1. Date input field Input the date that update as conference start date.
 - 2. Update button Save the updated conference date.
- 6. Table Display all the notices including rejected, approved, and pending.
- 7. Button- Pops up a dialog for update, delete and view each notice.
- 8. Update Notice Button Allows to navigate to the update notice form in the dialog.
- 9. Notice topic and notice content.
- 10. Delete Button Delete the notice.
- 11. View Notice Button Navigates to view notice component in the dialog.
- 12. Update form Allows users to edit current details of the notice.
 - 1. Topic input field Display current topic and allows user to edit the topic.
 - 2. Content input field Display the current content of the topic and allows user to edit the content.
 - 3. Update button Save the updated content and topic.

Reviewer Dashboard



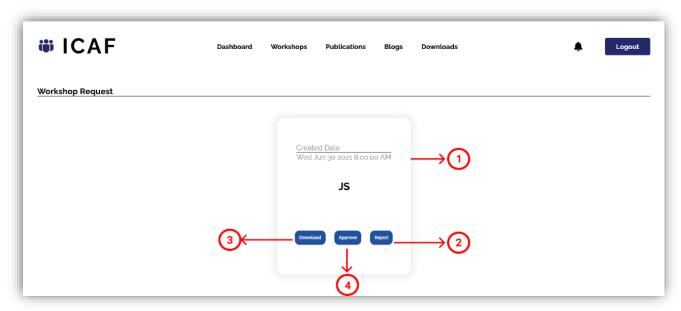
- 1. View Research Paper Approved, rejected, pending tables.
- 2. View Workshop Paper Approved, rejected, pending tables.

Reviewer Research paper tables



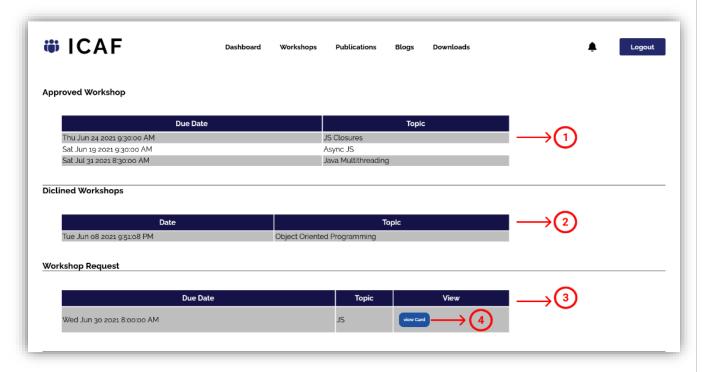
- 1. View Approved Research Papers.
- 2. View Rejected Research papers.
- 3. View Pending Research Papers.
- 4. Click the view card button to view each row.

Reviewer research paper pending card



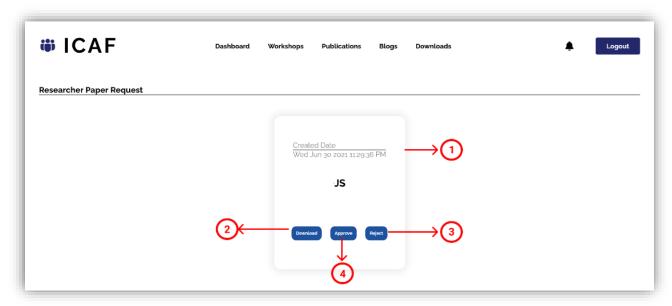
- 1. Pending Research paper.
- 2. Reject button Click the reject button to reject the request.
- 3. Download button Download the Pending research paper.
- 4. Approve button Approve the research paper.

Reviewer Workshop tables



- 1. View Approved Workshop.
- 2. View Rejected Workshop.
- 3. View Pending Workshop.
- 4. View button Click the view card button to view each row.

Workshop paper pending card



- 1. Pending workshop Card.
- 2. Download button Click download button to download the pending workshop.
- 3. Reject button Reject the Workshop by clicking the reject button.
- 4. Approved button Approve the workshop button.

API Guidelines

BASE URL for All the REST Endpoints in Development Environment:

http://localhost:5000/

BASE URL for All the REST Endpoints in Deployed Environment:

https://icaf-api.herokuapp.com

Authentications

Admin Auth – Prove as admin using auth token.

Moderator Auth – Prove as moderator (admin, reviewer, editor) using auth token.

Attendee Auth - Prove as attendee using auth token.

Presenter Auth - Prove as presenter using auth token.

Researcher Auth – Prove as researcher using auth token.

No Auth – No authentication required.

API Endpoints

API Endpoints	Functionality	Method	Authentication
attendee/	Get all attendees	GET	Admin Auth
attendee/my	Get details of certain attendee	GET	Attendee Auth
attendee/create	Create an attendee	POST	No Auth
presenter/	Get all presenters	GET	Moderator Auth
presenter/my	Get details of certain presenter	GET	Presenter Auth
presenter/create	Create a presenter	POST	No Auth
researcher/	Get all researchers	GET	Moderator Auth
researcher/my	Get details of certain researcher	GET	Researcher Auth
researcher/create	Create a researcher	POST	No Auth
auth/login/	Login users	POST	No Auth
Publication/	Get all publications	GET	Moderator Auth
publication/my	Get certain user's publication	GET	Researcher Auth
publication/ create	Create a publication	POST	No Auth
publication /rejected/	Get all rejected publications	GET	Moderator Auth
publication/approved/	Get approved publications	GET	No Auth
publication/approve/:id	Approved by certain publication	PATCH	Moderator Auth
publication /reject/:id	Rejected by certain publication	PATCH	Moderator Auth
publication/pay/:id	Pay for approved publication	PATCH	Researcher Auth

publication/pending/:id	Get Pending by certain publication	GET	Moderator Auth
	<u> </u>		
workshop/	Get all Workshops	GET	Moderator Auth
workshop/my	Get certain user's workshops	GET	Presenter Auth
workshop/create	Create a workshop	POST	No Auth
workshop/approved	Get approved publications	GET	No Auth
workshop/rejected	Get all rejected publications	GET	Moderator Auth
workshop/pending	Get all pending publications	GET	Moderator Auth
workshop/approved/:id	Approved by certain publication	PATCH	Moderator Auth
workshop/reject/:id	Rejected by certain publication	PATCH	Moderator Auth
Workshop/pending/:id	Get Pending by certain publication	GET	Moderator Auth
blog/	Get all blogs	GET	No Auth
blog/	Create a blog	POST	No Auth
blog/:id	Get details of certain blog	GET	No Auth
conference/	Get conference details	GET	No Auth
download/	Get all templates	GET	No Auth
notification/researcher/	Get researcher notifications	GET	No Auth
notification/presenter/	Get researcher notifications	GET	No Auth
notification/researcher/:id	Mark as read researcher notifications	PATCH	No Auth
notification/presenter/:id	Mark as read presenter notifications	PATCH	No Auth
admin/attendeecount	Get number of all attendees	GET	No Auth
admin/researcherscount	Get number of all researchers	GET	No Auth
admin /presenterscount	Get number of all presenters	GET	No Auth
admin /notice/pending	Get all pending notices	GET	No Auth
admin /accept/:id	Update notice state to approved	PATCH	No Auth
admin /reject/:id	Update notice state to rejected	PATCH	No Auth
notice/	Create a new notice	POST	NO Auth
notice/	Get all notices	GET	NO Auth
notice/:id	Get Notice by id	GET	NO Auth
notice/:id	Update a notice by id	PUT	NO Auth
conference/:startDate	Update conference date	PUT	NO Auth
notice/year/: year	Get all notices added in a year	GET	NO Auth
notice/approval/:isApproved	Get all notice by approval type (Pending.,	GET	NO Auth
	Reject, Approved)		
notice/date/: date/: month/:	Get all approved notices of current date	GET	NO Auth
year			
notice/delete/id	Delete notice by id	DELETE	NO Auth

Login Credentials

Admin

Username – chamindu@admin Password – chamindu@123

Editor

Username – nanduni@editor Password – nanduni@123

Reviewer

Username – onella@reviewer Password – onella@123

Researcher

Username – thushara123 Password – thushara123

Presenter

Username – thushara123 Password – thushara123

Attendee

Username – thushara123 Password – thushara123

Group Details

Student ID	Student Name
IT19041926	Onella Natalie P.A.D.
IT19076362	Thiwanka K.A.T.
IT19079264	Jayasith H.B.C.
IT19070704	Weerasinghe D.N.H.