



# 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\_WE\_29

Group Name: 2021S1\_REG\_WE\_29

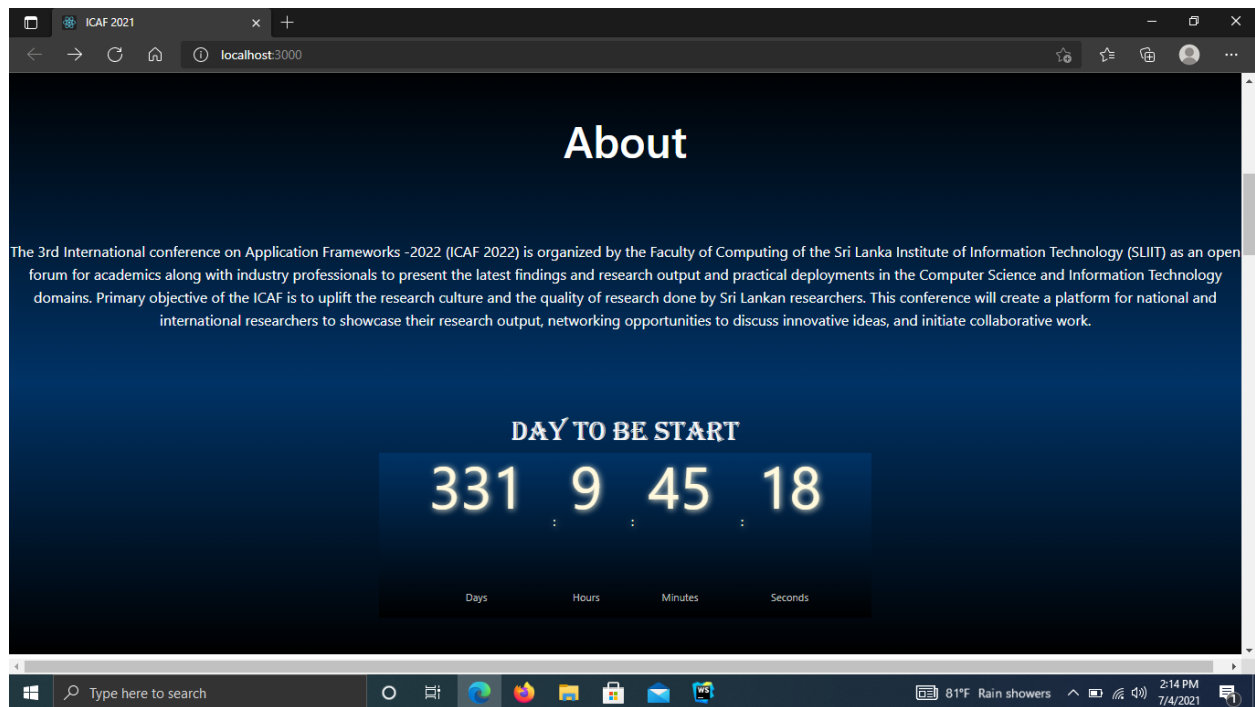
<<Conference Management Tool>>

Student ID	Student Name
IT19148328	Perera R.D.D
IT19074382	Upendra Y.A.M
IT19148182	M.N.M.Hussain
IT19179018	M.A.M Mahir

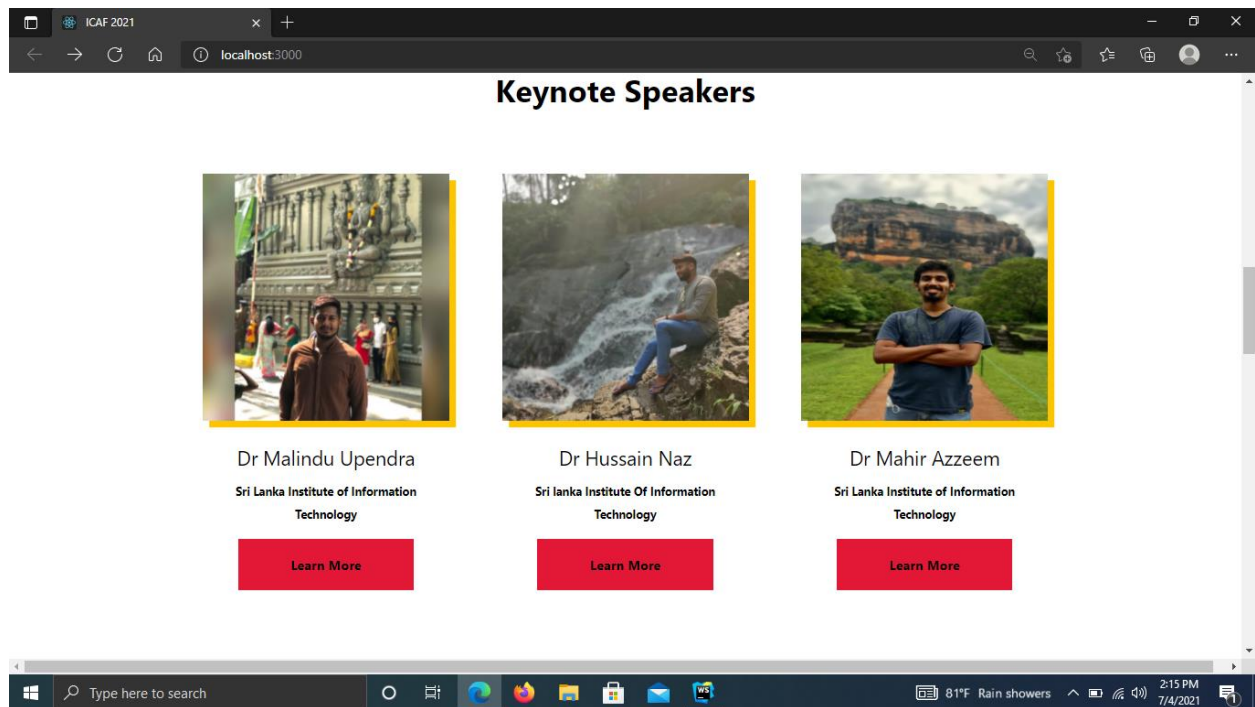
## User.



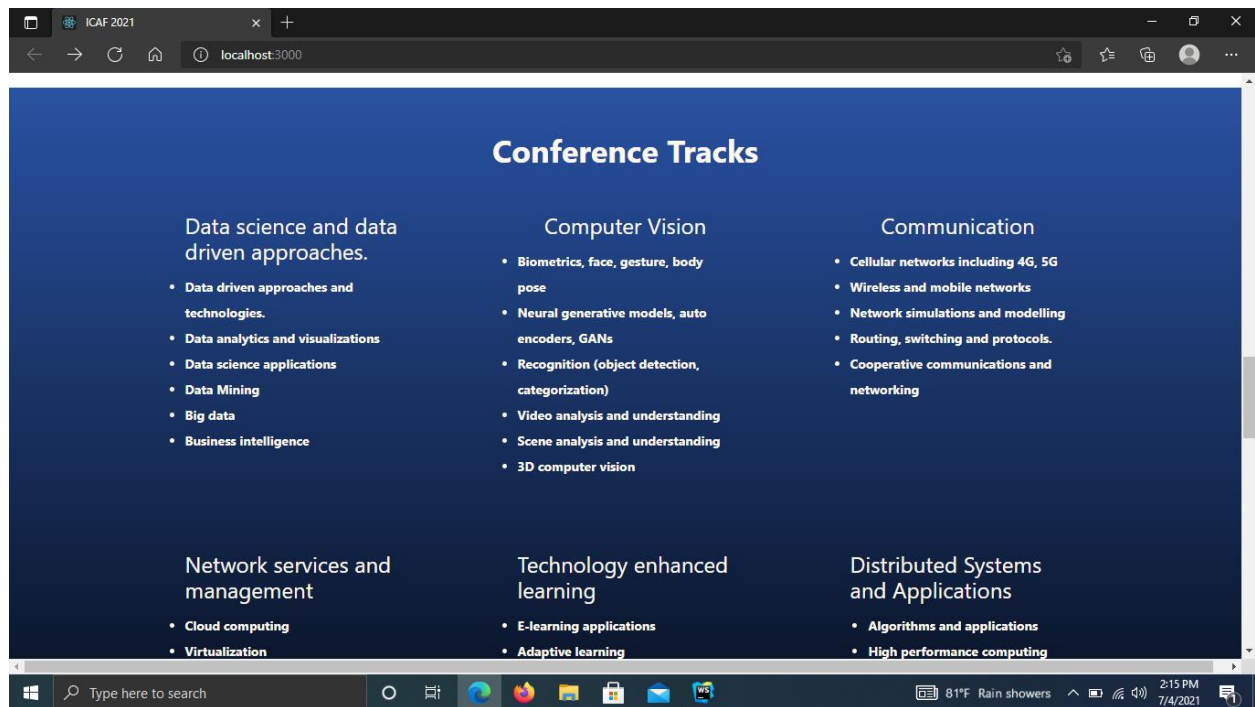
Homepage displaying the details of main conference.



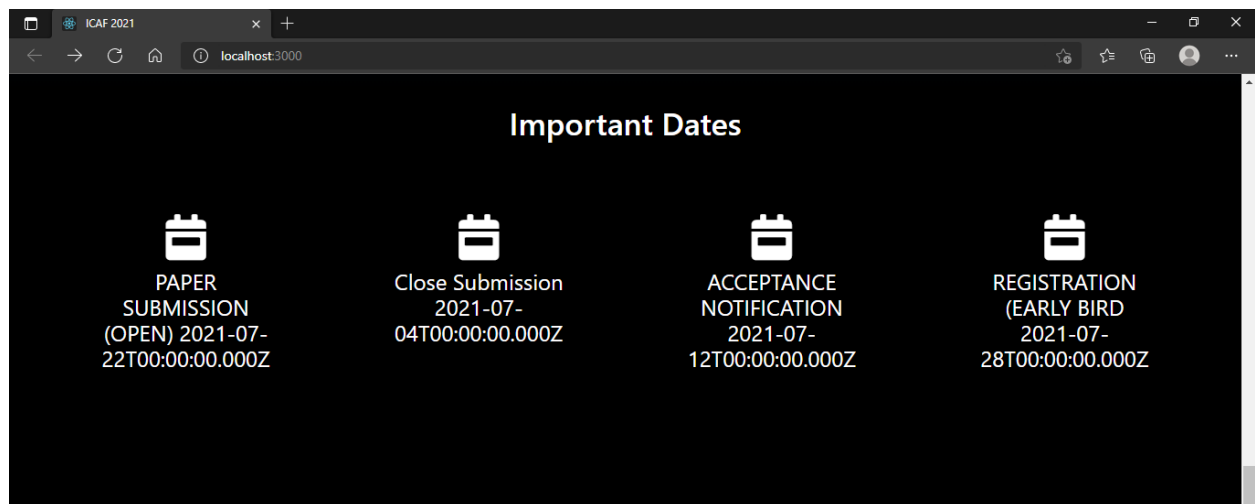
**About us section in homepage with our organization detail including a countdown timer of the next main conference to be held.**



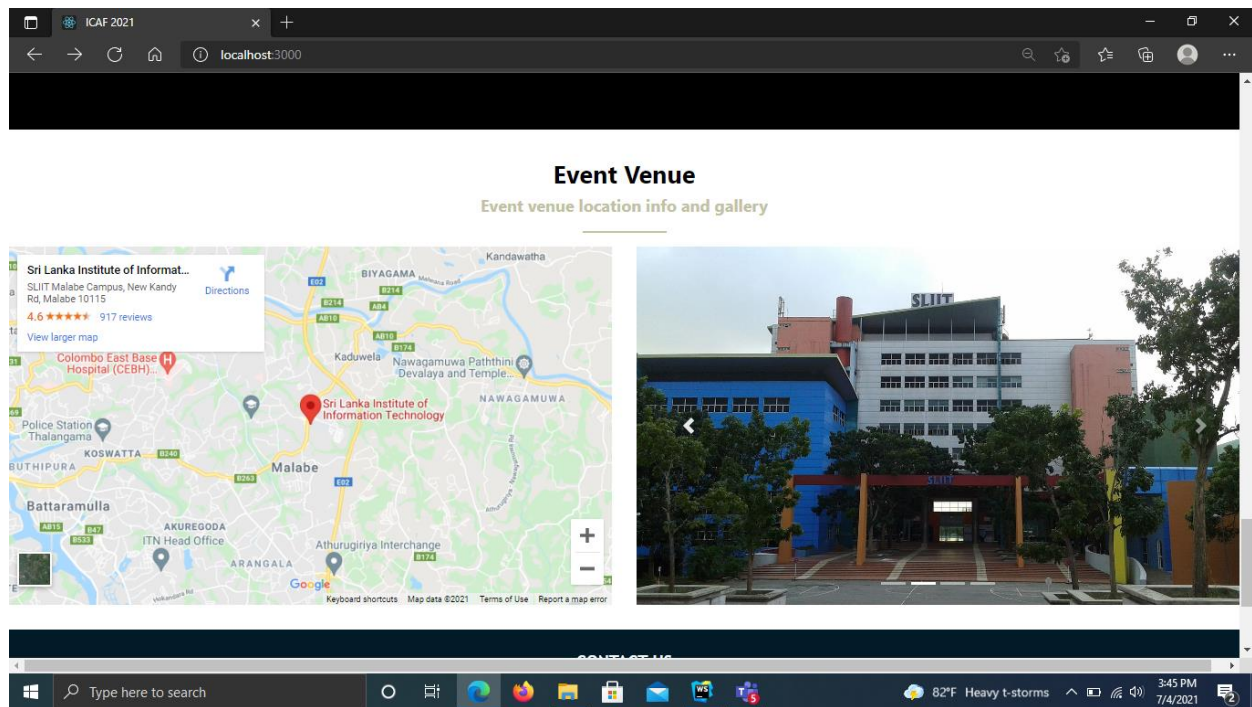
**Keynote Speaker section in homepage. Keynote Speakers who will be presenting the conference.**



Conference Track section in the homepage. It includes the detail description of every conference topic.



Important Dates section in the homepage. It includes the important dates related to the conference.



**Location section in homepage. It includes the location(Google Map) and the pictures of the venue.**

## User (Normal Attendee, Workshop conductor, Researcher) Register.

The screenshot shows a web browser window with the URL <https://elegant-mestorf-3970d4.netlify.app/registrationPage>. The page has a dark blue header with the text "ICAF Conf" and a navigation menu with links: HOME, KEYNOTES, DOWNLOAD TEMPLATES, WORKSHOP, REGISTER, CONTACT-US, and LOGIN. The main content area is a registration form with an orange header that says "Please Select Your Category". Below this header, there are three radio buttons: "Normal Attendee" (selected), "Researcher", and "WorkShop Conductor". Below the category selection, there is a light blue box titled "Details of the Attendee" containing three input fields: "Full Name", "Email address", and "Phone Number". Below these fields, the text "Ticket Price : USD 2" is displayed. At the bottom of the form is a blue button labeled "Register". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right shows the date and time as "2:55 PM 7/4/2021" and weather information as "81°F Rain showers".

ICAF Conf

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

Please Select Your Category

Normal Attendee ☒ Researcher ☐ WorkShop Conductor ☐

Details of the Attendee

Full Name

Email address

Phone Number

Ticket Price : USD 2

Register

Attendee registration form, where the attendee has to provide his details on the above form with the registration payment amount.

ICAF 2021

localhost:3000/registrationPage

### Please Select Your Category

Normal Attendee ☐ Researcher ☐ Workshop Conductor ☒

#### Details of Workshop Conductor/s

Title of Workshop

Description

WorkShop Conductors

Email

Photo

No file chosen

Type here to search

82°F Heavy t-storms 3:41 PM 7/4/2021

**Workshop Conductor registration form, where the workshop conductor has to provide his details on the above form.**



ICAF 2021

localhost:3000/registrationPage

ICAF Conf

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

Please Select Your Category

Normal Attendee ☐ Researcher ☒ Workshop Conductor ☐

Details of Research paper

Title of Research Paper

Email

Author

Phone Number

Research Paper

Choose File No file chosen

Submit

Type here to search

82°F Heavy t-storms 3:40 PM 7/4/2021

**Research Paper registration form, where the Researcher has to provide the research paper with relevant details on the above form.**

# Workshops.

ICAF Conf

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

## WORKSHOPS

Following is the list of workshops, which will be organized as a part of ICAF 2022.  
Register via following link: [click here](#)

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### ADVANCED INSTRUMENTAL TECHNIQUES AND FUTURE OF ADVANCED MATERIALS

This workshop focuses on advance instrumental techniques and future advance materials. Advanced instrumental techniques, namely; scanning electron microscopy (SEM), transmission electron microscopy (TEM) based instrumental techniques are widely used in experimental research in various streams of science and engineering. The knowledge on the advanced instrumental techniques is crucial for experimental research, failure analysis, and quality assurance. Future advance materials open an avenue for design and development of new devices. The scope of this workshop is firstly to acquaint participants with a fundamental understanding of the theoretical basis as well as the practical applications of these instrumental techniques along with lectures and demonstrations on the techniques. Secondly to rise awareness on future advance materials for cutting-edge research and new developments along with lectures, research guidance, international collaboration, fundraising, and project investigations.

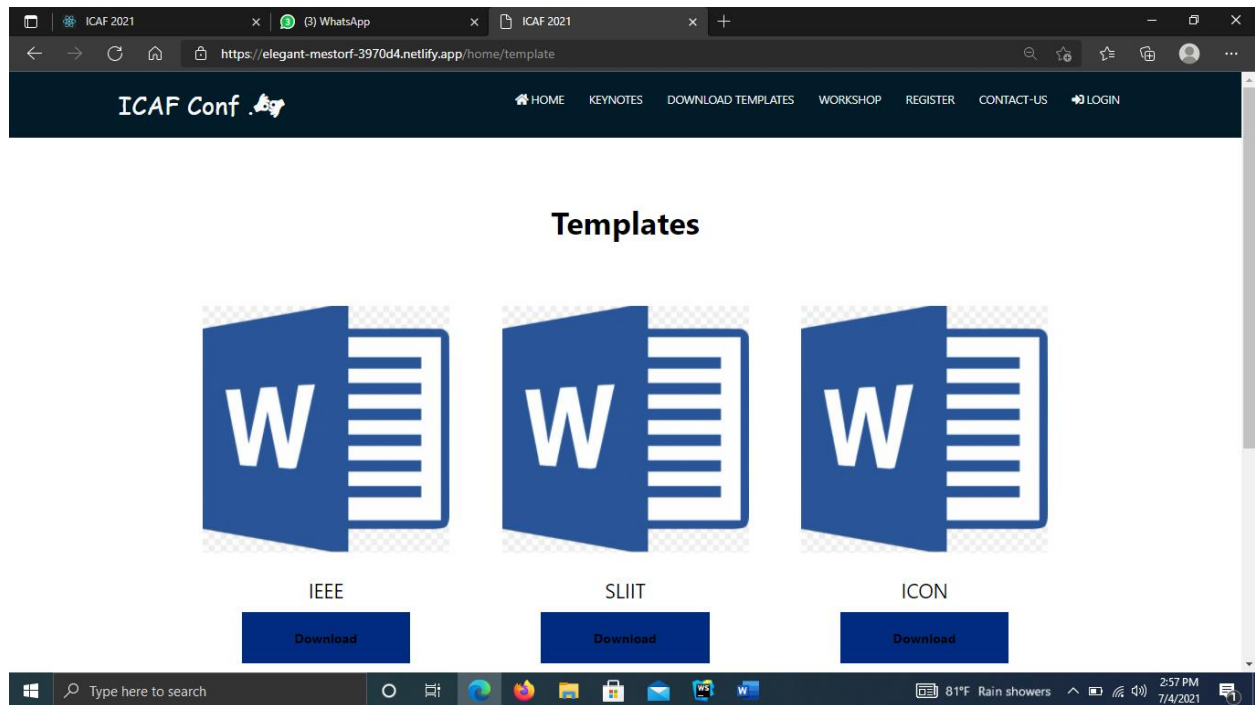
Workshop Conductors : Dr. Galhenage A. Sewvandi, Prof. Vasdevan R. Biju, Prof. Dengwei Hu

Email : [swevandi@gmail.com](mailto:swevandi@gmail.com)

Flyer : [Click to See the flyer](#)

**Details of the available workshops with the relevant workshop conductor's details will be displayed here. A flyer with the workshop detail is also available which can be viewed.**

## Download Templates.



The templates uploaded by the reviewer is displayed here. The users who are going to submit a research paper or conduct a workshop has to follow these relevant templates.

## Keynotes Details.



The screenshot shows a web browser window with the address bar displaying `localhost:3000/SpecificKeynoteSpeaker/60dc2311d7f20132681110c8`. The page title is "ICAF Conf" and the navigation bar includes links for HOME, KEYNOTES, DOWNLOAD TEMPLATES, WORKSHOP, REGISTER, CONTACT-US, and LOGIN. The main content area is titled "Keynote Speaker" and features a large photograph of Dr. Mahir Azzeem, a man with a beard and mustache, wearing a blue t-shirt, standing with his arms crossed in front of a large, flat-topped rock formation (a butte) in a lush green landscape. Below the photo, the text reads "Dr Mahir Azzeem" and "Sri Lanka Institute of Information Technology". A detailed biography follows, mentioning her background as an electrical and electronic engineer, her interest in robotics, her MSc and PhD in health psychology, and her research interests in human-robot interaction and emotional connections with robots. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons, along with system information: 81°F, Rain showers, 2:39 PM, 7/4/2021.

ICAF 2021

localhost:3000/SpecificKeynoteSpeaker/60dc2311d7f20132681110c8

ICAF Conf

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

### Keynote Speaker



**Dr Mahir Azzeem**  
Sri Lanka Institute of Information Technology

Prof. Elizabeth initially trained as an electrical and electronic engineer at Canterbury University to pursue her interest in robotics. She then worked at Transpower, Électricité de Tahiti, and Robotechnology. After becoming interested in the psychological aspects of robotics and in psychoneuroimmunology, she obtained her MSc and PhD in health psychology, supported by a Bright Futures Top Achiever Doctoral Award. She received an Early Career Award from the International Society of Behavioural Medicine and Early Career Research Excellence Award from the University of Auckland. She was a visiting academic at the school of psychology at Harvard University and in the Program in Science, Technology, and Society at Massachusetts Institute of Technology in Boston, USA. In 2017, she returned to Boston with a Fulbright award to study companion robots for four months. Her current research interests include how stress affects our health, how our body posture affects our mood, interventions to help patients make sense of and cope with illness, and human-robot interaction in health contexts. She is particularly interested in the emotional connections we form with robots, and how we can build emotional intelligence and empathy skills in

Type here to search

81°F Rain showers 2:39 PM 7/4/2021

**Detailed description of the particular Keynote Speaker will be displayed.**

## Contact Us.

ICAF Conf .57

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

## CONTACT US

### LEAVE A COMMENT

Name:

Email:

Subject:

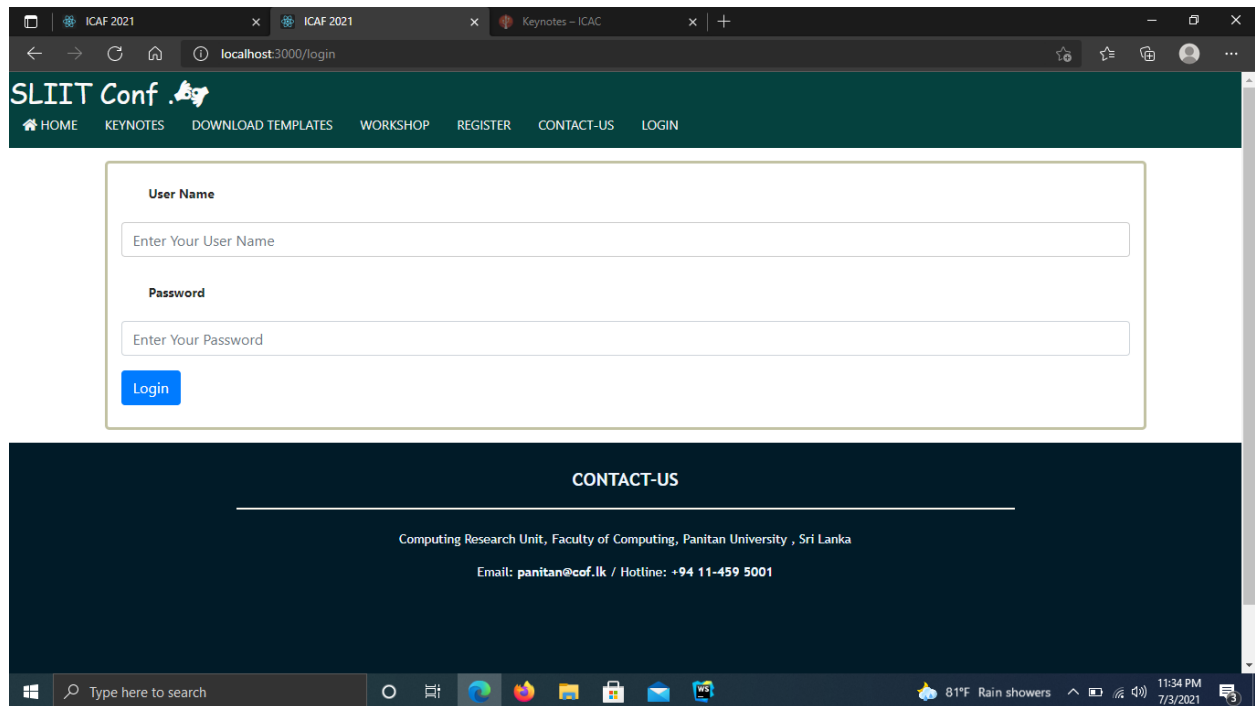
Message:

Submit

81°F Rain showers 2:59 PM 7/4/2021

**Users can provide their feedback and If they want to communicate with ICAF Conf (This system), they can use the contact us form.**

# Login



ICAF 2021 ICAF 2021 Keynotes - ICAC

localhost:3000/login

**SLIIT Conf**

HOME KEYNOTES DOWNLOAD TEMPLATES WORKSHOP REGISTER CONTACT-US LOGIN

**User Name**

Enter Your User Name

**Password**

Enter Your Password

Login

**CONTACT-US**

Computing Research Unit, Faculty of Computing, Panitan University , Sri Lanka

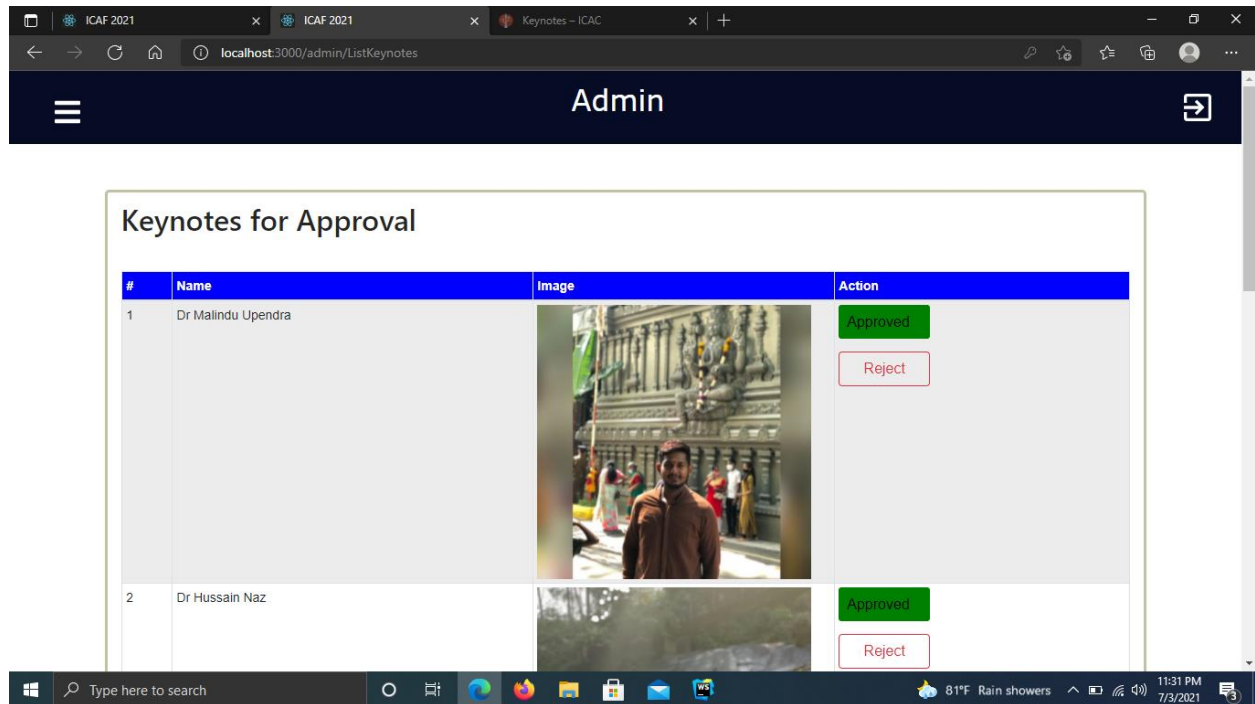
Email: panitan@cof.lk / Hotline: +94 11-459 5001

Type here to search

81°F Rain showers 11:34 PM 7/3/2021

**This is login page for Editor, Reviewer and Admin to login into their systems.**

# Admin



This is in the admin panel, where the keynote speakers added by the editor will be displayed. Admin will either Approve or Reject the keynote speakers from here.

ICAF 2021 ICAF 2021 Keynotes - ICAC localhost:3000/admin/importantdates

## Admin

### Important Dates

#	Date	description	Action
1	2021-07-22T00:00:00.000Z	PAPER SUBMISSION (OPEN)	<div>Approved</div> <div>Reject</div>
2	2021-07-04T00:00:00.000Z	Close Submission	<div>Approved</div> <div>Reject</div>
3	2021-07-12T00:00:00.000Z	ACCEPTANCE NOTIFICATION	<div>Approved</div> <div>Reject</div>
4	2021-07-28T00:00:00.000Z	REGISTRATION (EARLY BIRD)	<div>Approved</div> <div>Reject</div>

Type here to search 81°F Rain showers 11:31 PM 7/3/2021

**This is in the admin panel, where the important dates added by the editor will be displayed. Admin will either Approve or Reject dates displayed here.**



ICAF 2021 x ICAF 2021 x Keynotes - ICAC x +

localhost:3000/admin/conferencetracks

## Admin

### Conference Tracks

Conference Track	Requirement	Action
Data science and data driven approaches.	Data driven approaches and technologies.	Approved
	Data analytics and visualizations	Reject
	Data science applications	
	Data Mining	
	Big data	
	Business intelligence	
Computer Vision	Biometrics, face, gesture, body pose	Approved
	Neural generative models, auto encoders, GANs	Reject
	Recognition (object detection, categorization)	

Type here to search

81°F Rain showers 11:31 PM 7/3/2021

**This is in the admin panel, where the conference tracks added by the editor will be displayed. Admin will either Approve or Reject conference tracks displayed here.**

**Admin**

### Workshops

#	Title	Description	WorksShop Conductors	Email	Flyer	Approval
1	sdasdadad	asdadad	asdadadad	upendramalindu116@gmail.com	<a href="#">Click</a>	Declined
2	Advanced Instrumental Techniques and Future of Advanced Materials	This workshop focuses on advance instrumental techniques and future advance materials. Advanced instrumental techniques, namely, scanning electron microscopy (SEM), transmission electron microscopy (TEM) based instrumental techniques are widely used in experimental research in various streams of science and engineering. The knowledge on the advanced instrumental techniques is crucial for experimental research, failure analysis, and quality assurance. Future advance materials open an avenue for design and development of new devices. The scope of this workshop is firstly to acquaint participants with a fundamental understanding of the theoretical basis as well as the practical applications of these instrumental techniques along with lectures and demonstrations on the techniques. Secondly to rise awareness on future advance materials for cutting-edge research and new developments along with lectures, research guidance, International collaboration, fundraising, and project investigations.	Dr. Galhenage A. Sewvandi, Prof. Vasdevan P. Biju, Prof. Dengwei Hu	swevandi@gmail.com	<a href="#">Click</a>	Approved
3	A Hands-on Introduction for Computational Fluid Dynamics	Computational Fluid Dynamics (CFD) has now become a common tool for modelling heat and fluid flow applications in many engineering disciplines. Obtaining accurate results through proper use of CFD requires a solid understanding of underlying modelling	Dr. R.A.C.P. Ranasinghe, Dr. N.A.I.D. Nissanka	nissanka@gmail.com	<a href="#">Click</a>	Not Approved

**Workshop detail inserted by the workshop conductor is displayed here with the reviewer's approval or rejection status.**

**Admin**

### Research Papers

#	Title	Author	Email	Paper	Approval
1	adadaasd	asdadsasd	upendramalindu116@gmail.com	<a href="#">Click</a>	Declined
2	Af paper	Aharaoa	a@gmail.com	<a href="#">Click</a>	Approved
3	dddddddddddddd	dddddddddd	dddddddddd	<a href="#">Click</a>	Approved
4	Distributed System	Ahmed Ameer	ahmed@gmail.com	<a href="#">Click</a>	Not Approved
5	Application Framework	Aagaash Sivamoham	aagaash@gmail.com	<a href="#">Click</a>	Approved
6	Probability and Statistics	Imdaadh Mohammed	imdaadh@gmail.com	<a href="#">Click</a>	Not Approved
7	Dilan loves Agalyah	Dilan Perera	dilandevida158@gmail.com	<a href="#">Click</a>	Not Approved

**Research papers uploaded by the researchers will be displayed here with the reviewer's approval or rejection status.**

ICAF 2021 x ICAF 2021 x Keynotes - ICAC x +

localhost:3000/admin/payments

## Admin

### Payments

#	Email	Amount
1	m@gmail.com	500
2	d@gmail.com	500
3	h@gmail.com	500
4	A@gmail.com	500
5	upendramalindu116@gmail.com	10
6	emrystox@gmail.com	10
7	mnmhuss91@gmail.com	10

Windows Taskbar: Type here to search | 81°F Rain showers | 11:30 PM 7/3/2021

**It records the list of normal attendees registered with their relevant conference registration payment amount.**

React-Bootstrap - React-Boo... Data | Atlas MongoDB Atlas ICAF 2021 Cloudinary Management Console http://localhost:5000/reviewer/ mongoddb - Node.js Mongoos...

localhost:3000/admin/attendees

## Admin

- Attendees
- Payments
- Research Papers
- Workshops
- ConferenceTracks
- ImportantDates
- Keynotes

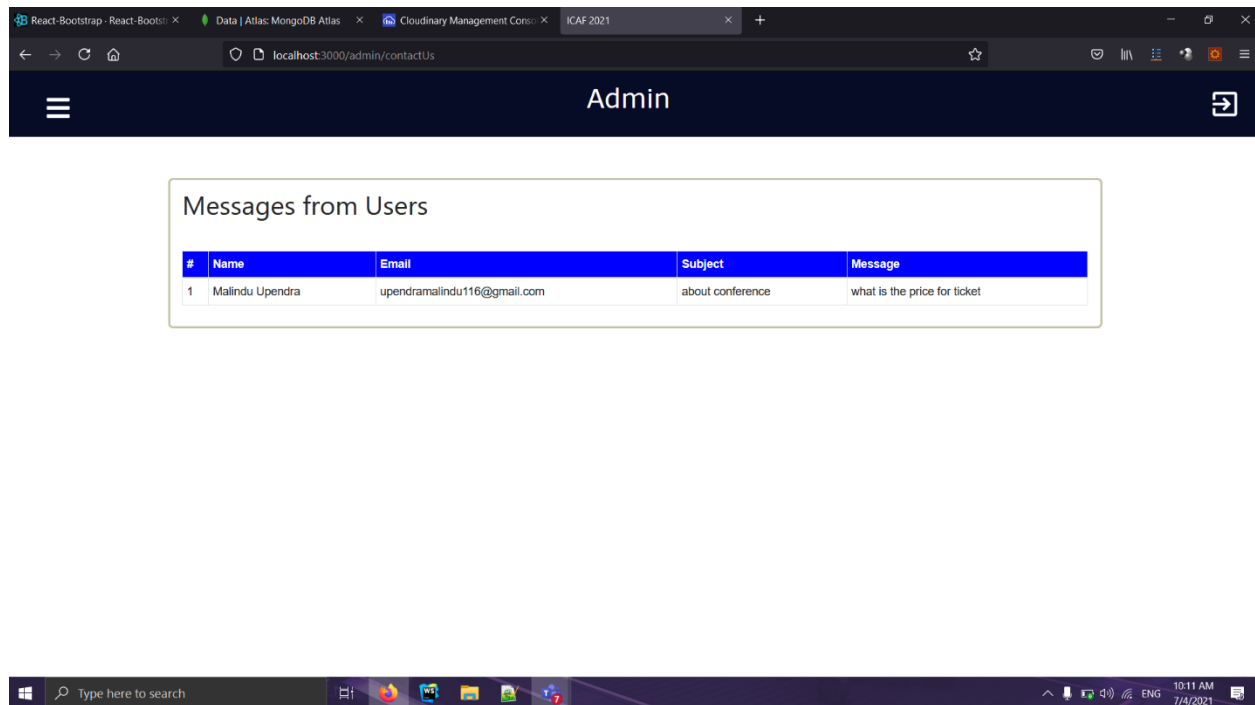
### Registered Attendees To Conference

Name	Email	Phone Number
Dilan Perera	d@gmail.com	712345675
MNM Hussain	h@gmail.com	112336454
Mahir Azzeem	A@gmail.com	7539514862
Malindu Upendra	upendramalindu116@gmail.com	76205165320
Sarath Roahana	emrysrox@gmail.com	765503230
Mahron	minmhuss91@gmail.com	778222331

Type here to search

11:56 PM 7/3/2021

**This table displays the list of attendees registered for the conference with their relevant details such as email and phone number.**



**Details inserted on the contact us page will be displayed to the admin on this table.**

## Editor.

ICAF 2021 x ICAF 2021 x +

localhost:3000/editor/importantDates

Editor

Add Important Dates

mm/dd/yyyy

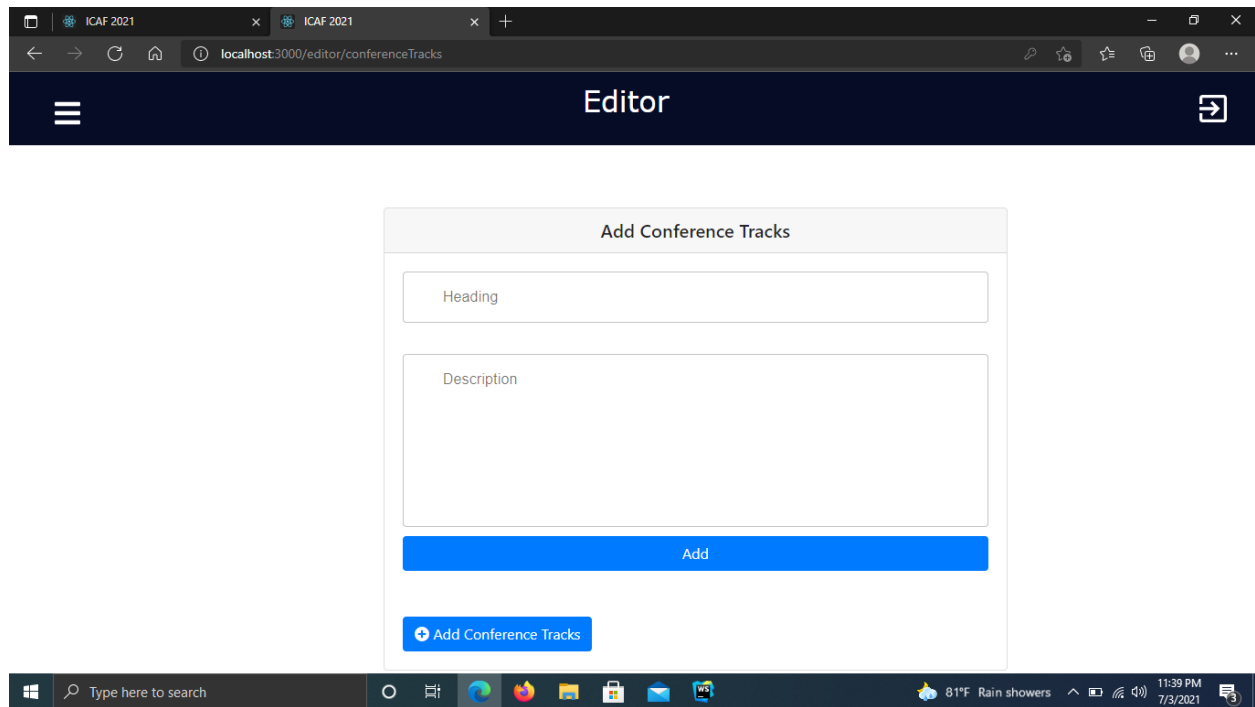
Description

+ Add Important Date

Type here to search

81°F Rain showers 11:39 PM 7/3/2021

**This is under the editor's panel, where the editor can add the important dates. Any important date added by the editor goes to the admin for approval or rejecting purpose.**



**This is under the editor's panel, where the editor can add the conference tracks. Any conference tracks added by the editor goes to the admin for approval or rejecting purpose.**

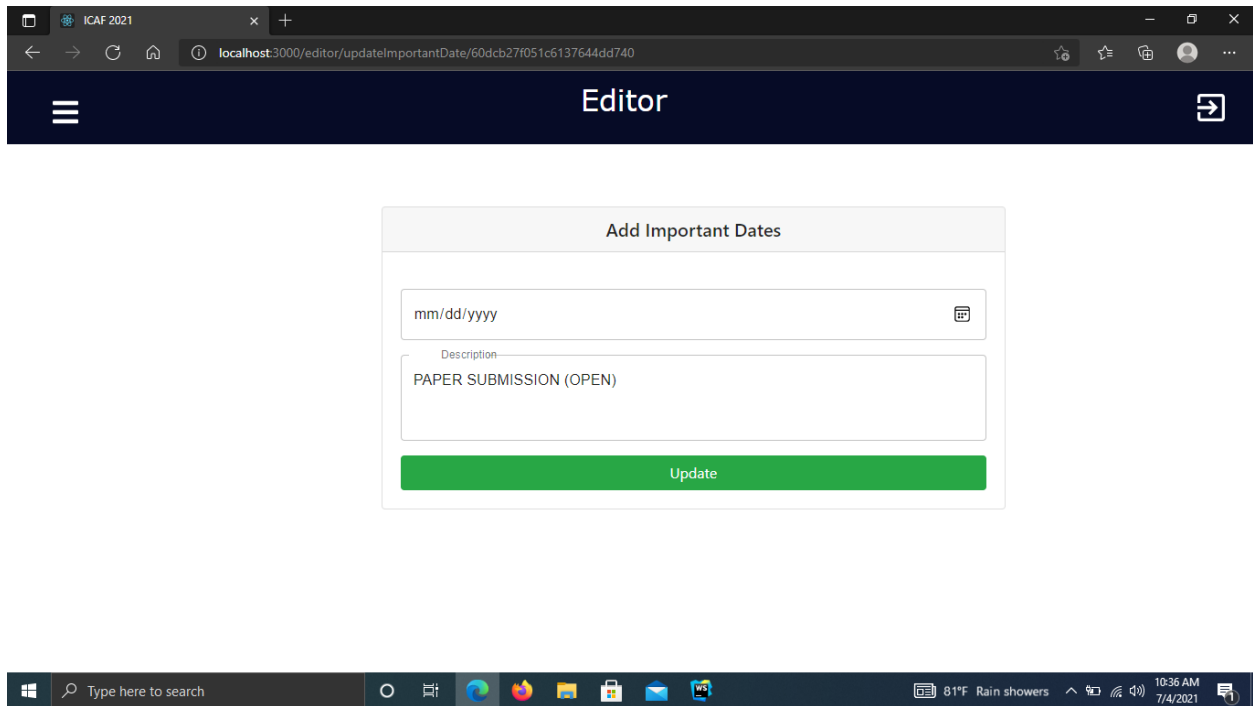
Editor

### Important Dates

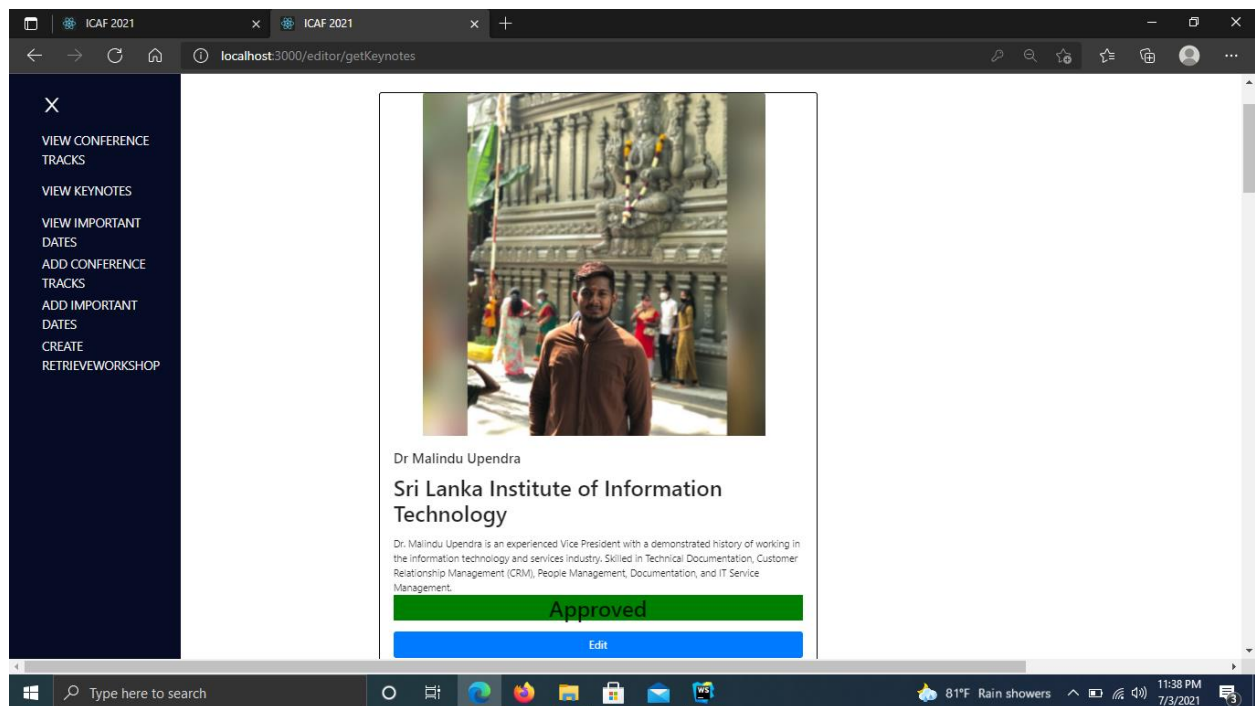
#	Date	Description	Approval	Action
1	2021-07-22T00:00:00.000Z	PAPER SUBMISSION (OPEN)	Approved	<a href="#">Edit</a>
2	2021-07-04T00:00:00.000Z	Close Submission	Approved	<a href="#">Edit</a>
3	2021-07-12T00:00:00.000Z	ACCEPTANCE NOTIFICATION	Approved	<a href="#">Edit</a>
4	2021-07-28T00:00:00.000Z	REGISTRATION (EARLY BIRD	Approved	<a href="#">Edit</a>

The list of important dates added by the editor is displayed here with admin's approval status. Also, the editor can edit the important dates even after a date has been approved by the admin, if a date is approved and if the editor edit's the date, it will go back to the admin as a pending request for approval or rejection again.

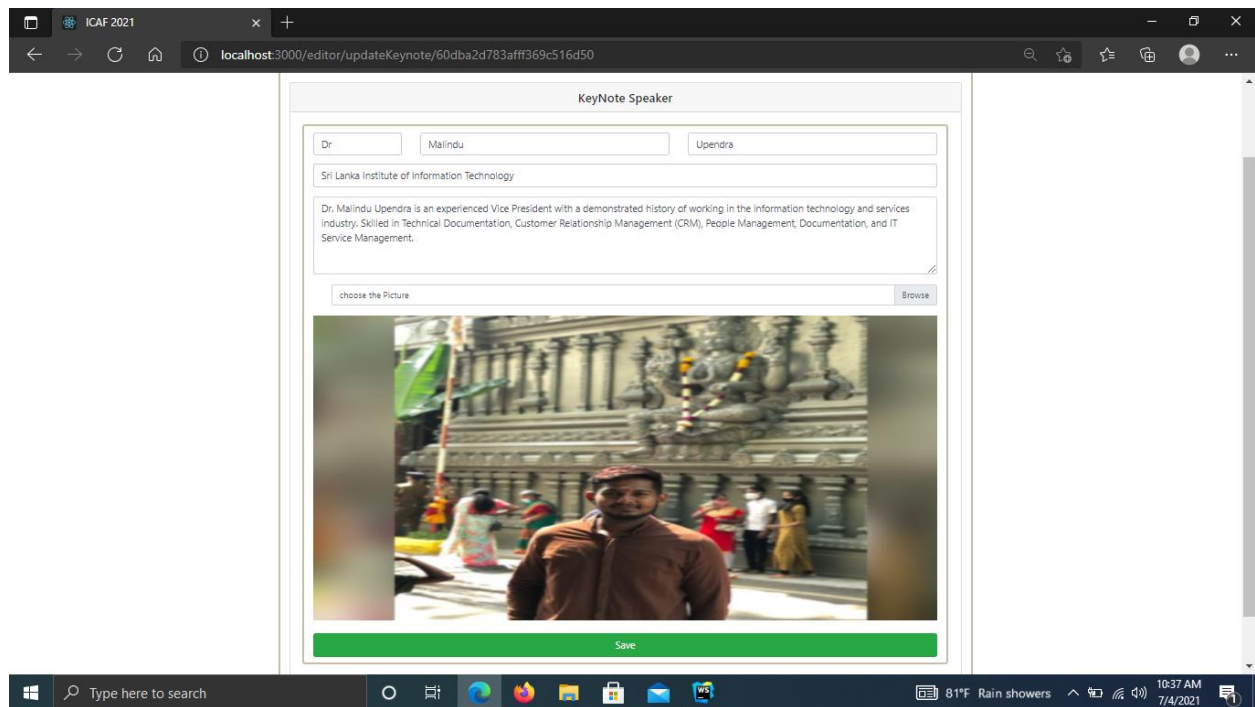




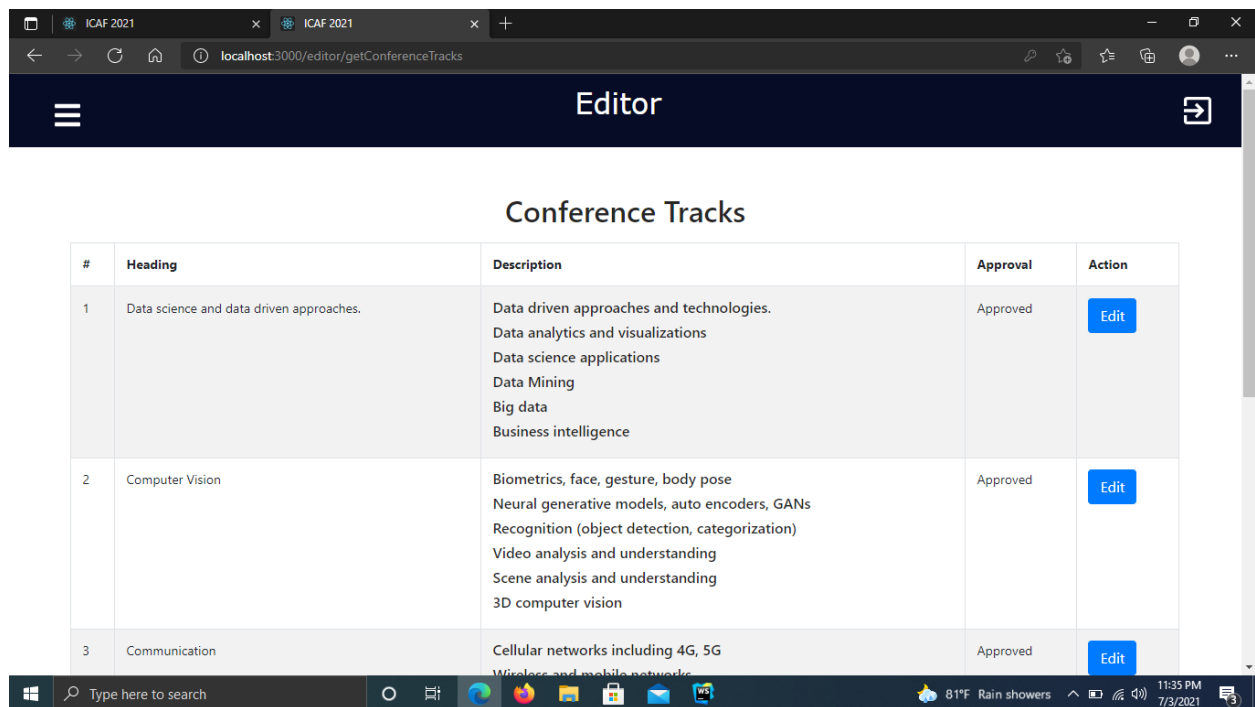
**If the Editor wants to Edit an important date, the above form will be displayed. Where the editor can make adjustments to the important date.**



The list of keynote speakers added by the editor is displayed here with admin's approval status. Also, the editor can edit the keynote speakers even after a keynote speaker has been approved, if a keynote speaker is approved and if the editor edit's the approved keynote speaker, it will go back to the admin as a pending request for approval or rejection again.



**If the Editor wants to Edit a keynote speaker detail, the above form will be displayed. Where he can make adjustments to the keynote speaker details.**



#	Heading	Description	Approval	Action
1	Data science and data driven approaches.	Data driven approaches and technologies. Data analytics and visualizations Data science applications Data Mining Big data Business intelligence	Approved	<a href="#">Edit</a>
2	Computer Vision	Biometrics, face, gesture, body pose Neural generative models, auto encoders, GANs Recognition (object detection, categorization) Video analysis and understanding Scene analysis and understanding 3D computer vision	Approved	<a href="#">Edit</a>
3	Communication	Cellular networks including 4G, 5G Wireless and mobile networks	Approved	<a href="#">Edit</a>

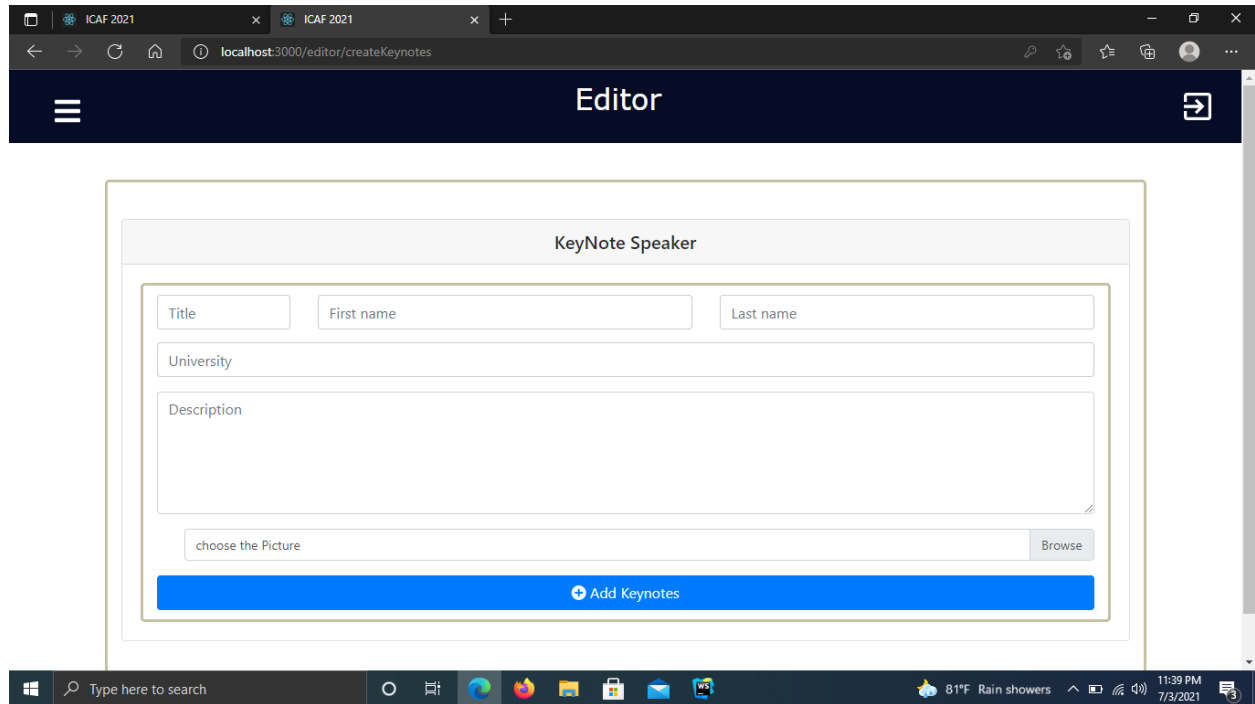
The list of conference tracks added by the editor is displayed here with admin's approval status. Also, the editor can edit the conference tracks even after a conference track has been approved, if a conference track is approved and if the editor edit's the approved conference track, it will go back to the admin as a pending request for approval or rejection again.

The screenshot displays a web application interface for editing conference tracks. The browser window shows the URL `localhost:3000/editor/updateConferenceTrack/60db976e11aef053e069e28d`. The form, titled "Edit Conference Tracks", contains the following elements:

- Heading:** A text input field containing "Data science and data driven approaches."
- Description:** A larger text input field for additional details.
- Add:** A blue button to add new tracks.
- Track List:** A list of 6 tracks, each with a "Remove" button:
  - 1 Data driven approaches and technologies. Remove
  - 2 Data analytics and visualizations Remove
  - 3 Data science applications Remove
  - 4 Data Mining Remove
  - 5 Big data Remove
  - 6 Business Intelligence Remove
- Update:** A green button to save changes.

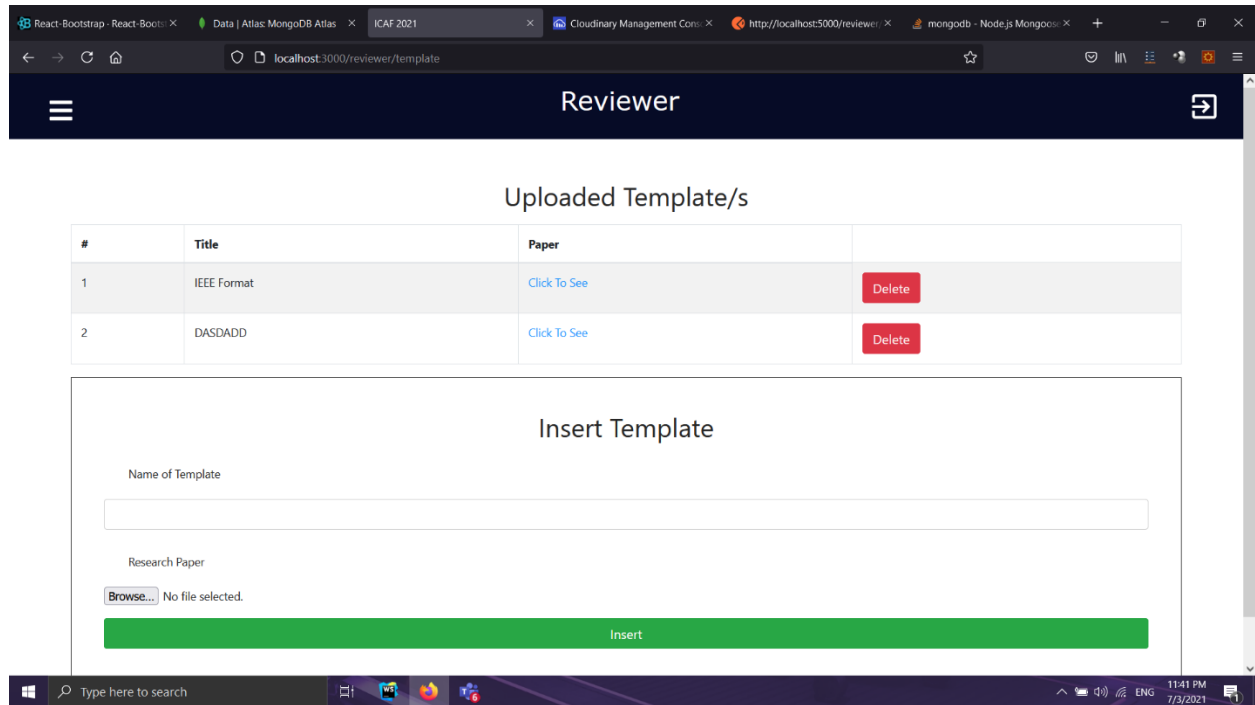
The Windows taskbar at the bottom shows the system time as 10:37 AM on 7/4/2021, with weather information for 81°F and rain showers.

**If the Editor wants to Edit any conference track details, the above form will be displayed. Where he can make adjustments to the conference track details.**



**This is under the editor's panel, where the editor adds the keynote speaker details. Any keynote speaker details added by the editor goes to the admin for approval or rejecting purpose.**

## Reviewer.



**Reviewer can upload any research template and view them here and workshop conductors or researchers will be able to download them from the template page.**

#	Title	Description	Workshop Conductors	Email	Flyer	Approval
1	sdasdadad	asdadad	asdadadad	upendramalindu116@gmail.com	<a href="#">Click</a>	<div>Rejected</div> <div>Approve</div>
2	Advanced Instrumental Techniques and Future of Advanced Materials	This workshop focuses on advance instrumental techniques and future advance materials. Advanced instrumental techniques, namely; scanning electron microscopy (SEM), transmission electron microscopy (TEM) based instrumental techniques are widely used in experimental research in various streams of science and engineering. The knowledge on the advanced instrumental techniques is crucial for experimental research, failure analysis, and quality assurance. Future advance materials open an avenue for design and development of new devices. The scope of this workshop is firstly to acquaint participants with a fundamental understanding of the theoretical basis as well as the practical applications of these instrumental techniques along with lectures and demonstrations on the techniques. Secondly to rise awareness on future advance materials for cutting-edge research and new developments along with lectures, research guidance, international collaboration, fundraising, and project investigations.	Dr. Galhenage A. Sewwandi, Prof. Vasdevan P. Biju, Prof. Dengwei Hu	swevandi@gmail.com	<a href="#">Click</a>	<div>Approved</div> <div>Reject</div>
3	A Hands-on	Computational Fluid Dynamics (CFD) has now become a common tool for modelling heat and	Dr. R.A.C.P.	nissanka@gmail.com	<a href="#">Click</a>	<div>Pending</div>

The details of registered workshop with their relevant conductors are displayed in workshop table where the reviewer can approve or reject them.

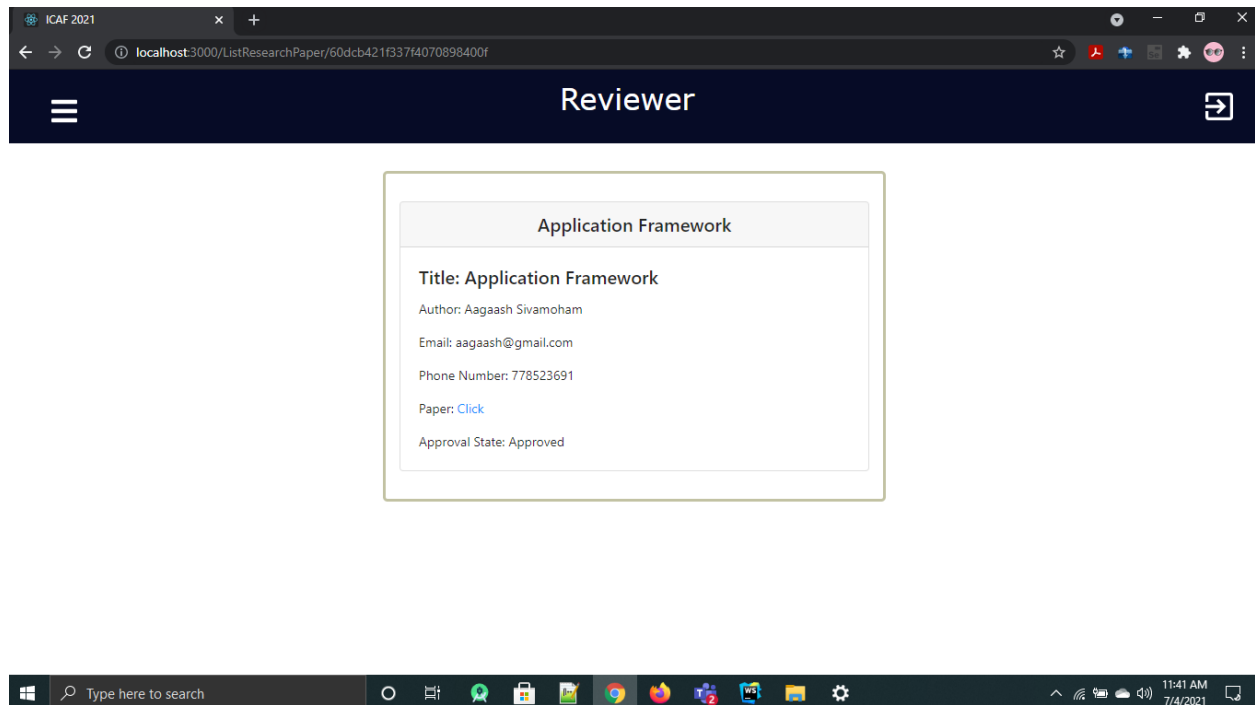


**Reviewer**

Research Papers

Author	Email	Phone Number	Paper	Approval
asdasasd	upendramalindu116@gmail.com	7665445454	<a href="#">Click</a>	<div>Rejected</div> <div>Approve</div>
Aharooa	a@gmail.com	778222331	<a href="#">Click</a>	<div>Approved</div> <div>Reject</div>
ddddd	ddddd	765165651	<a href="#">Click</a>	<div>Approved</div> <div>Reject</div>
Ahmed Ameer	ahmed@gmail.com	771234565	<a href="#">Click</a>	<div>Pending</div> <div>Approve</div>

The research papers added by the researcher on the research form will be displayed on the table here and the reviewer can either approve or reject them.



**Any of the particular research paper detail in the research paper table can be viewed on a detailed manner in a separate page as the above.**



**Any of the particular workshop detail in the workshop table can be viewed on a detailed manner in a separate page as the above.**