
ISACC 2027

4th International Conference on Intelligent Systems, Advanced
Computing and Communication

25–26 February 2027

Assam University, Silchar, India



STEERING COMMITTEE

Organised by
Department of Computer Science and Engineering
Assam University, Silchar, India

Conference Leadership

Chief Patron

Prof. Rajive Mohan Pant

Vice-Chancellor, Assam University, Silchar, India

Patron

Prof. Sudipta Roy

Dean, Triguna Sen School of Technology, Assam University, Silchar, India

General Chair

Prof. Sudipta Roy

Department of Computer Science and Engineering, Assam University, Silchar

Organizing Chairs

Dr. Tapodhir Acharjee

Head, Department of Computer Science and Engineering, Assam University, Silchar

Dr. Sunita Sarkar

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Sourish Dhar

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Abhijit Biswas

Department of Computer Science and Engineering, Assam University, Silchar

Dr. W. Niranjan Singh

Department of Computer Science and Engineering, Assam University, Silchar

Program Committee

Program Chair

Prof. Sukumar Nandi

IIT Guwahati, India

Program Committee Members

Prof. Sudipta Roy

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Tapodhir Acharjee

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Sourish Dhar

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Sunita Sarkar

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Mousum Handique

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Abhijit Biswas

Department of CSE, Assam University, Silchar

Dr. Arnab Paul

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Bhagaban Swain

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Wangjam Niranjan Singh

Department of Computer Science and Engineering, Assam University, Silchar

Dr. Somnath Mukhopadhyay

Department of Computer Science and Engineering, Assam University, Silchar

Prof. Prodipto Das

Department of Computer Science, Assam University, Silchar

Prof. P. K. Devasarma

Department of Computer Science, Assam University, Silchar

Track Chairs

Intelligent Systems

Prof. Saroj Biswas
Dr. Arnab Paul

Advanced Computing

Dr. Arnab Maji
Dr. Somnath Mukhopadhyay

Communication

Dr. Abhishek Majumder
Dr. Sunita Sarkar

Finance Chairs

Dr. Sourish Dhar

Department of CSE, Assam University, Silchar

Mr. Navajyoti Nath

Assistant Registrar, Assam University, Silchar

Registration Chairs

Dr. Sunita Sarkar

Department of CSE, Assam University, Silchar

Dr. W. Niranjana Singh

Department of CSE, Assam University, Silchar

Mr. Vishal Gour

Department of CSE, Assam University, Silchar

Ms. Nandita Louriyam

Department of CSE, Assam University, Silchar

Ms. Aparna Bhattacharjee

Department of CSE, Assam University, Silchar

Ms. Barby Borpatra Gohain

Department of CSE, Assam University, Silchar

Mr. Subhash Mukherjee

Department of CSE, Assam University, Silchar

Mr. Tirthanka Borah

Department of CSE, Assam University, Silchar

Publicity and Publication Committee

Publicity Chair

Prof. Binoy Krishna Roy

Chair, IEEE Silchar Subsection, Department of Electrical Engineering, NIT Silchar, India

Publicity Co-Chairs

Dr. Somnath Mukhopadhyay

Department of CSE, Assam University, Silchar

Dr. Abhijit Biswas

Department of CSE, Assam University, Silchar

Dr. Mousum Handique

Department of CSE, Assam University, Silchar

Dr. Arnab Maji

Department of Information Technology, NEHU, Shillong

Prof. Prodipto Das

Department of Computer Science, Assam University, Silchar

Dr. Saptarshi Paul

Department of Computer Science, Assam University, Silchar

Publication Chairs

Dr. Tapodhir Acharjee

Department of CSE, Assam University, Silchar

Dr. Sourish Dhar

Department of CSE, Assam University, Silchar

Web Administration

Dr. Arnab Paul

Department of CSE, Assam University, Silchar

Dr. Sourish Dhar

Department of CSE, Assam University, Silchar

Hospitality Committee

Dr. Pranab Kumar Sarkar

Department of Applied Science and Humanities, Assam University, Silchar

Dr. Avinash Kumar

Department of Agricultural Engineering, Assam University, Silchar

Mrs. Sanghita Deb

Department of CSE, Assam University, Silchar

Mr. Amit Kumar Deb

Department of CSE, Assam University, Silchar

Mr. Vishal Gour

Department of CSE, Assam University, Silchar

Pragyat Jyoti Baruah

Department of CSE, Assam University, Silchar

Tirthanka Borah

Department of CSE, Assam University, Silchar

Subhash Mukherjee

Department of CSE, Assam University, Silchar

National Advisory Committee

Prof. Gautam Barua

IIIT Guwahati, India

Prof. Sukumar Nandi

IIT Guwahati, India

Prof. Jatindra Kumar Deka

IIT Guwahati, India

Prof. Bhabesh Nath

Tezpur University, India

Prof. Bipul Syam Purkayastha

Assam University, Silchar, India

Prof. Shahin Ara Begum

Assam University, Silchar, India

Prof. Pankaj Kumar Deva Sarma

Assam University, Silchar, India

Prof. Swagatam Das

ISI Kolkata, India

Prof. Amlan Chakrabarti

University of Calcutta, India

Prof. Dhruva Kumar Bhattacharya

Tezpur University, India

Prof. Indranil Sengupta

IIT Kharagpur, India

Prof. Fazal A. Talukdar

NIT Silchar, India

Prof. Amit Konar

Jadavpur University, India

Prof. Hafizur Rahaman

IIST Shibpur, India

Prof. Susmita Sur-Kolay

ISI Kolkata, India

Prof. Hiren Kumar Deva Sarma

Gauhati University, India

Prof. Swanirbhar Majumder

Tripura University, India

Prof. Megha P. Arakeri

Manipal Institute of Technology, Bengaluru, India

Prof. M. N. Hoda

BVICAM, GGSIP University, New Delhi, India

Dr. Neha Sharma

TCS, Pune, India

Dr. Avinash Chalumuri

Quantum AI Global, Hyderabad, India

Dr. Harish Sahu

DRDO, Delhi, India

Prof. Md. Iftekhar Hussain

NEHU, Shillong, India

Prof. Ajoy Kumar Khan

Mizoram University, India

Prof. Bubu Bhuyan

NEHU, Shillong, India

Prof. Santosh Biswas

IIT Bhilai, India

Prof. Kolin Paul

IIT Delhi, India

Prof. Swarup Roy

Sikkim University, India

Dr. Pabitra Mitra

IIT Kharagpur, India

Prof. L. M. Patnaik

IISc Bangalore, India

Prof. Banshidhar Majhi

VSSUT, India

Prof. Subir Sarkar

Jadavpur University, India

Prof. Sushmita Mitra

ISI Kolkata, India

Dr. Umapada Pal

ISI Kolkata, India

Prof. A. Damodaram

JNTU, India

Prof. Ujjwal Moulik

Jadavpur University, India

Dr. Dibyajyoti Chutia

NESSC, Meghalaya, India

Dr. Hemanta Kumar Kalita

CIT Kokrajhar, India

International Advisory Committee

Prof. João Gama

University of Porto, Portugal

Prof. Marcin Paprzycki

Polish Academy of Sciences, Poland

Prof. Robert Wille

Technical University of Munich, Germany

Prof. Jing Dong

CASIA, Beijing, China

Prof. Al-Sakib Khan Pathan

UIU, Bangladesh

Prof. Alfred M. Bruckstein

Technion, Israel

Prof. Tharam Dillon

La Trobe University, Australia

Prof. Jugal Kalita

University of Colorado, USA

Prof. Shahar Kvatinsky

Israel Institute of Technology, Israel

Prof. Bernard De Baets

Ghent University, Belgium

Prof. Diego Andina

Universidad Politécnica de Madrid, Spain

Prof. Alexander Ngenzi

University of Rwanda, Rwanda

Prof. Bogdan M. Wilamowski

Auburn University, USA

Prof. Daniela-Elena Popescu

University of Oradea, Romania

Prof. János Botzheim

Tokyo Metropolitan University, Japan

Prof. Erich Peter Klement

Johannes Kepler University, Austria

Prof. Hani Hagrais

University of Essex, UK

Prof. Janusz Kacprzyk

Systems Research Institute, Poland

Prof. Javier Montero

Complutense University of Madrid, Spain

Prof. Dan Ralescu

University of Cincinnati, USA

Prof. Nikola Kasabov

Auckland University of Technology, New Zealand

Dr. Rami Abielmona

University of Ottawa, Canada

Prof. Kazumi Nakamatsu

University of Hyogo, Japan

Prof. Sun-Lin Chung

National Taiwan University, Taiwan

Prof. Didier Dubois

Paul Sabatier University, France

Prof. J. F. e Cunha

University of Porto, Portugal

Prof. María Daniela López De Luise

Open Inter-American University, Argentina

Prof. José Antonio Iglesias Martínez

Charles III University of Madrid, Spain

Prof. Kouki Nagamune

University of Fukui, Japan

Prof. Lorenzo Jamone

Queen Mary University of London, UK

Technical Program Committee

Dr. Partha Pakray
NIT Silchar, India

Dr. Khurajam Nelson Singh
IIIT Nagpur, India

Dr. Taimoor Khan
NIT Silchar, India

Dr. Ranjan Maity
CIT Kokrajhar, India

Prof. Udit Kr. Chakraborty
SMIT Sikkim, India

Dr. Chandan Kalita
Gauhati University, India

Dr. Abhoy Kholey
DFKI Bremen, Germany

Dr. Rajib Ghosh
NIT Patna, India

Dr. Khoirom Johnson Singh
Dhanamanjuri University, India

Dr. Papri Ghosh
Narula Institute of Technology, India

Dr. Sanjeev Patel
NIT Rourkela, India

Dr. Awnish Kumar
NIT Agartala, India

Dr. Siddhartha S. Satapathy
Tezpur University, India

Mr. Diganta Baishya
Jorhat Engineering College, India

Prof. Ajoy Kumar Khan
Mizoram University, India

Dr. Sanjit Ningthoujam
IIIT Una, India

Dr. Sorokhaibam Nilakanta Meitei
NIT Manipur, India

Dr. Prasanta Baruah
CIT Kokrajhar, India

Prof. Bubu Bhuyan
NEHU, India

Prof. Avinash J. Agrawal
RBU Nagpur, India

Prof. Khurram Saleem Alimgeer
COMSATS University Islamabad, Pakistan

Prof. Rajasekhara Babu M

VIT Vellore, India

Ms. Parismita Gogoi
DUIET, India

Dr. Ishita Chakraborty
Royal Global University, Guwahati, India

Dr. Nabamita Deb
Gauhati University, India

Dr. Pankaj Pratap Singh
CIT Kokrajhar, India

Dr. Laiphrakpam Dolendro Singh
NIT Silchar, India

Dr. Debasish Roy
Assam University, Silchar, India

Prof. Ratika Pradhan
SMU Gangtok, India

Dr. Chukhu Chunka
NIT Silchar, India

Dr. Prativa Rai
SIST Sikkim, India

Dr. Alok Chakraborty
NIT Meghalaya, India

Dr. Pranab Kishore Dutta
NERIST, India

Dr. Madhusudan Paul
Visva Bharati University, India

Dr. Debasis Giri
Maulana Abul Kalam Azad University of Technology, India

Dr. Anamitra Roy Chaudhury
IBM Research, India

Prof. Angsuman Sarkar
Kalyani Government Engineering College, India

Prof. Asif Ekbal
IIT Patna, India

Dr. Hrishav Bakul Barua
Monash University, Australia

Dr. Manjit Ghosh
IIIT Guwahati, India

Ms. Jayeeta Mondal
TCS Innovations, Kolkata, India

Dr. Moirangthem Marjit Singh
NERIST, India

Prof. Prashant R. Nair
Amrita Vishwa Vidyapeetham, India

Dr. Chandreyee Chowdhury

Jadavpur University, India

Dr. Ranjita Das

NIT Agartala, India

Dr. Ravi Subban

Pondicherry University, India

Dr. Arun Kumar S

VIT Vellore, India

Dr. Rashel Sarkar

Royal Global University, Guwahati, India

Dr. Pratik Narang

BITS Pilani, Rajasthan, India

Prof. Abinas Panda

KIIT Bhubaneswar, India

Dr. Neelam Chaplot

Manipal University Jaipur, India

Dr. Debachudamani Prust

Prof. Anil Kumar Sagar

Sharda University, India

Dr. Mandeep Kaur

Sharda University, India

Prof. Umesh C. Pati

NIT Rourkela, India

Dr. Ravi Uyyala

Chaitanya Bharathi Institute of Technology, India

Prof. Jyotsna K. Mandal

University of Kalyani, India

Prof. Paramartha Dutta

Visva Bharati, India

Dr. Debashis Chakraborty

ISRO Kolkata, India

Dr. Arindam Pal

Optym Sydney, Australia

Prof. Kaushik Roy

West Bengal State University, India

Prof. Ashish Khare

Allahabad University, India

Dr. Amitabha Nath

NEHU, India

Dr. Sinam Ajit Kumar Singh

Dhanamanjuri University, Manipur, India

Dr. Rajeev Rajkumar

Manipur Institute of Technology, India

Prof. Hiren Kumar Deva Sarma

Gauhati University, India

KIIT, Odisha, India

Dr. Eipsita Bora

USTM Meghalaya, India

Dr. Manjit Kaur

LPU Punjab, India

Dr. Th. Shanta Kumar

Girijananda Chowdhury University, India

Dr. Md. Jainul Abidin

USTM Meghalaya, India

Prof. Dharmveer Singh Rajpoot

Jaypee Institute of Information Technology, India

Prof. Anuja Arora

Jaypee Institute of Information Technology, India

Dr. Raj Anwit

Bhagalpur College of Engineering, Bihar, India

Dr. Dhananjay Kalbande

Sardar Patel Institute of Technology, India

Dr. Barnali Dey

SMIT Sikkim, India

Dr. Satyajit Sarmah

Gauhati University, India

Prof. Swarup Roy

Sikkim University, India

Prof. Arun Jyoti Nath

Assam University, Silchar, India

Prof. Pankaj Kumar Deva Sarma

Assam University, Silchar, India

Prof. Prodipto Das

Assam University, Silchar, India

Prof. Shahin Ara Begum

Assam University, Silchar, India

Dr. Rinku Rabidas

Assam University, Silchar, India

Dr. Chayan Paul

Swami Vivekananda University, India

Dr. Arnab Kumar Maji

NEHU, India

Dr. Saptarshi Paul

Assam University, Silchar, India

Dr. Purnendu Das

Assam University, Silchar, India

Prof. Amrita Bose Paul

Assam Engineering College, India

Mr. Vishal Gour

Assam University, Silchar, India

-
- Mr. Debi Prasad Mishra**
Odisha University of Technology and Research, India
- Dr. Bikramjit Choudhury**
CIT Kokrajhar, India
- Dr. Arpita Nath Boruah**
Assam down town University, India
- Dr. Sathyanarayana K. B.**
NIT Karnataka, India
- Dr. Sireesha Mantena**
Andhra University, India
- Dr. Sushma S. A.**
Siddaganga Institute of Technology, India
- Dr. Tapan Kumar**
GGSIU Delhi, India
- Dr. Abhijit Dasgupta**
SRM University, India
- Dr. Anuj Gupta**
ABV Government Institute of Engineering and Technology,
India
- Dr. Balvinder Singh Bondili**
SRM University, India
- Dr. Jishan Mehedi**
Jalpaiguri Government Engineering College, India
- Prof. Nilabh Kumar**
Government Engineering College Banka, India
- Dr. Palvi Sharma**
Model Institute of Engineering & Technology, Jammu, India
- Dr. Rajesh Nayak**
NIT Karnataka, India
- Dr. Sikdar Md. S. Askari**
Rajiv Gandhi University, Arunachal Pradesh, India
- Dr. Alexy Bhowmick**
Assam Don Bosco University, India
- Dr. Amar Nath**
SLIET Longowal, India
- Dr. Avinash Chalumuri**
Indian Institute of Space Science and Technology, India
- Dr. Swarup Nandi**
Tripura University, India
- Dr. Md. Moinul Hoque**
Ahsanullah University of Science and Technology,
Bangladesh
- Dr. Niyati Baliyan**
NIT Kurukshetra, India
- Mr. R. Laldusaka**
Mizoram University, India
- Dr. Sekar K.**
Rajalakshmi Engineering College, India
- Dr. Shahab Ansari**
Ghulam Ishaq Khan Institute, Pakistan
- Dr. Tinku Adhikari**
Mizoram University, India
- Dr. Achala Guthigarumule**
NIT Karnataka, India
- Dr. Akhila P.**
Government College Kasaragod, Kerala, India
- Ms. Ankita Goyal Agarwala**
Gauhati University, India
- Dr. David Ruete**
Universidad Andrés Bello, Chile
- Dr. Hussain Ahmed Choudhury**
Barak Valley Engineering College, India
- Dr. Hanjabam S. Sharma**
Manipur Technical University, India
- Prof. Indranil Sengupta**
IIT Kharagpur, India
- Dr. Jasil T. K.**
NIT Karnataka, India
- Dr. Lachit Dutta**
Gauhati University, India
- Dr. Mirzanur Rahman**
Gauhati University, India
- Dr. Muhammad Zeeshan**
National University of Sciences and Technology, Pakistan
- Dr. Parismita Sarma**
Gauhati University, India
- Dr. Prashanth Kumar**
NMAM Institute of Technology, Nitte, India
- Dr. Rabinder Kumar Prasad**
DUIET, Dibrugarh University, India
- Dr. Rahul Kumar Chawda**
Assam University, Silchar, India
- Dr. Ramen Pal**
University of Limerick, Ireland
- Dr. Ranbir Soram**
Manipur Institute of Technology, India
- Dr. Rishitej Chaparala**
Pragati Engineering College, Andhra Pradesh, India
- Dr. Rubul Kumar Bania**
Birangana Sati Sadhani Rajyik Vishwavidyalaya, India
- Dr. Rupam Bhattacharyya**
Gauhati University, India

-
- Dr. Saha Reno**
Ahsanullah University of Science and Technology,
Bangladesh
- Dr. Sanju Das**
Assam University, Silchar, India
- Dr. Swanirbhar Majumder**
Tripura University, India
- Dr. Ashis Kumar Mishra**
OUTR Bhubaneswar, India
- Dr. Namdeo B. Badhe**
Thakur College of Engineering and Technology, Mumbai, India
- Dr. Palash Ghosal**
Sikkim Manipal University, India
- Dr. Partha Pratim Ray**
Sikkim University, India
- Dr. Phrangboklang Lyngton Thangkhiew**
IIT Guwahati, India
- Dr. Rukshani Liyanaarachchi**
University of Moratuwa, Sri Lanka
- Dr. Sapam J. Singh**
Manipur Institute of Technology, India
- Dr. Sapna S.**
NIT Karnataka, India
- Dr. Somen Debnath**
Tripura University, India
- Dr. Sreena S.**
NIT Karnataka, India
- Dr. Srikanth Lukka**
SRM University Andhra Pradesh, India
- Dr. Tribid Debbarma**
NIT Agartala, India
- Dr. Abhishek Majumder**
Tripura University, India
- Dr. Ahsanur Rahman**
North South University (NSU), Bangladesh
- Dr. Anjan Kumar Talukdar**
Gauhati University, India
- Dr. Ankur Biswas**
Tripura Institute of Technology, India
- Dr. Anupam K. Bairagi**
Khulna University, Bangladesh
- Dr. Apurbalal Senapati**
CIT Kokrajhar, India
- Dr. Ashim Dey**
Chittagong University of Engineering and Technology,
Bangladesh
- Dr. Bal Krishna Bal**
Kathmandu University, Nepal
- Dr. Bishwa Ranjan Roy**
Assam University, Silchar, India
- Dr. Bhogeswar Borah**
Tezpur University, India
- Dr. John Saida Shaik**
NIT Andhra Pradesh, India
- Dr. Atul Prakash**
G. H. Rasoni College of Engineering & Management, India
- Dr. Baisakhi Chakraborty**
NIT Durgapur, India
- Dr. Bam Bahadur Sinha**
NIT Sikkim, India
- Dr. Biswajit Bhowmik**
NIT Karnataka, India
- Dr. Biswaraj Sen**
Sikkim Manipal Institute of Technology, India
- Dr. Brinda Bhowmick**
NIT Silchar, India
- Dr. Dhiman Mondal**
Jalpaiguri Government Engineering College, India
- Dr. Dinesh Kumar Kotary**
IIIT Ranchi, India
- Dr. Ananya Choudhury**
Assam Engineering College, India
- Dr. Israfil Hussain**
Royal Global University, Guwahati, India
- Dr. Amandeep Kaur**
NIT Kurukshetra, India
- Dr. Ansuman Mahapatra**
NIT Puducherry, India
- Dr. Arindam Biswas**
IEST Shibpur, India
- Dr. B. Surendiran**
NIT Puducherry, India
- Dr. Geeta Kasana**
Thapar Institute of Engineering and Technology, Patiala, India
- Dr. Manash P. Bhuyan**
Dibru College, Dibrugarh, India
- Dr. Nishi Kant Kumar**
BIT Mesra, Deoghar, India
- Dr. Nitin Choubey**
NMIMS, India

Dr. Rajiv Ranjan
BIT Sindri, Dhanbad, India

Dr. Shamim H. Ripon
East West University, Bangladesh

Dr. Sireesha Moturi
Narasaraopeta Engineering College, India

Dr. Dwijen Rudrapal
NIT Agartala, India

Dr. Faiz Al Faisal
Green University of Bangladesh, Bangladesh

Dr. Himanish Shekhar Das
Cotton University, India

Dr. Jaidhar C. D.
NIT Karnataka, India

Dr. Jayanta Pal
Tripura University, India

Dr. Jyotismita Talukdar
Tezpur University, India

Dr. Kandarpa Kumar Sarma
Gauhati University, India

Dr. Khwairakpam Amitab
NEHU, India

Dr. Kokila J.
IIIT Tiruchirappalli, India

Dr. Lithungo K. Murry
NIT Nagaland, India

Dr. Manash Pratim Sarma
Gauhati University, India

Dr. Manish Kurhekar
VNIT Nagpur, India

Dr. Manoj Shakya
Kathmandu University, Nepal

Dr. Mohit Kumar
NIT Hamirpur, India

Dr. Pradyut Kumar Sanki
SRM University Andhra Pradesh, India

Prof. Pramila M. Chawan
Veeramata Jijabai Technological Institute, India

Dr. Prashant Giridhar Shambharkar
Delhi Technological University, India

Dr. Preeti Mehta
NIT Delhi, India

Dr. Priya Kumari
NIT Andhra Pradesh, India

Dr. Purushothama B. R.
NIT Karnataka, India

Dr. Rizwan Rehman
Dibrugarh University, India

Dr. Sahadev Roy
NIT Arunachal Pradesh, India

Dr. Saminda C. Premaratne
University of Moratuwa, Sri Lanka

Prof. Sanjoy K. Saha
Jadavpur University, India

Dr. Shubha Brata Nath
IIIT Guwahati, India

Dr. Tapas Kumar Mishra
SRM University Andhra Pradesh, India

Dr. Veningston K.
NIT Srinagar, India

Dr. Victor Parque
Hiroshima University, Japan

Dr. Vishal Satpute
VNIT Nagpur, India

Dr. Younten Tshering
Jigme Namgyel Engineering College, Bhutan

Dr. Yuhong Feng
Shenzhen University, China

Dr. Pinaki Mitra
IIT Guwahati, India

Dr. Mrinmoy Bhattacharjee
IIT Jammu, India

Dr. Arnab Paul
Assam University, Silchar, India

Dr. Mousum Handique
Assam University, Silchar, India

Dr. Somnath Mukhopadhyay
Assam University, Silchar, India

Dr. Alak Roy
Tripura University, India

Dr. Wangjam Niranjan Singh
Assam University, Silchar, India

Dr. Vidhya Kamakshi
NIT Calicut, India

Prof. Andries Engelbrecht
University of Stellenbosch, South Africa

Prof. Nandini Mukherjee
Jadavpur University, India

Dr. Sourish Dhar
Assam University, Silchar, India