



Third International Conference

on

Innovations in Software Architecture and Computational Systems (ISACS 2024)

November 13-14, 2024

Organized By

Department of Computer Science and Technology,

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Kolkata, India

This is to certify that Puja Cholke

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

Prof. (Dr.) Saradindu Panda

Conference Chair, ISACS 2024 & Principal, DSCSITSC

Dr. Amrut Ranjan Jena

Program Chair, ISACS 2024 & HOD, CSE, DSCSITSC



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This is to certify that **Rutuja Kulkarni**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

Prof. (Dr.) Saradindu Panda

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This is to certify that **Anchit Chedgec**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Hana Khand**

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This is to certify that Sanyog Jadhav

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

Prof. (Dr.) Saradindu Panda

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This is to certify that Shreya Dighe

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This is to certify that **Rishav Bairagya**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Souma Das

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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Sarthak Dutta

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This is to certify that

Soupayan Ghosh

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that ***Tripti Kumari***

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Tanmoy Ghosh

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Sagarika Chowdhury**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Dr. Pushpita Roy

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Debashish Dash

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Kumar Aashay

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Debanjana Chanda**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Dilshad Khan

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Akshat Ashish**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Gajula Kausthubha**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Paramita Chowdhury**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Sunipa Roy

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Mahendra Datta**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Utpal Biswas

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Karthik Kumar Vaigandla**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Kiran Kumar Padakanti**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Lalitha Pothkanuri**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Nanda Dharavath

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Rita Ganguly**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Nancy Kumari

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Arpita Baronia

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This is to certify that **Nikhilesh Kumar Mishra**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Sumant Anand

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Dr. Srabani Biswas

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This is to certify that Ipsita Saha

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This is to certify that **Sayani Chandra**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Agniva Bagchi**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Swapnaneel Banerjee

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Aniruddha Das**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Sampurna Ghosal**

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This is to certify that Adrika Mondal

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

Prof. (Dr.) Saradindu Panda

Conference Chair, ISACS 2024 & Principal, DSCSITSC

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This is to certify that **Vedatrayee Chatterjee**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Arnab Maitra

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Pabak Indu

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that

Rajdeep Jash

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Satyam Kumar Singh

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Luna Raut

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Gaurav Kumar Singh**

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This is to certify that Shinjini Bhattacharyya

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This is to certify that

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This is to certify that Vikramjeet Singh

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This is to certify that Varinder Kaur Attri

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This is to certify that *Himali Sarangal*

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This is to certify that Manjit Singh

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This is to certify that Souradeep Roy

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Manik Chandra Das

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This is to certify that

Kauser Ahmed P

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Vignesh V

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Mohamed Zaid**

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This is to certify that **Tirthadeep Ghosh**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Rajat Naskar**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that **Anushka Pal**

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Sanjoy Bhattacharjee

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Debdatta Chatterjee

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Niladri Dhar

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This is to certify that Piyush Ghughu

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This is to certify that **Moloy Dhar**

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This is to certify that Madhusmita Mishra

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This is to certify that Chandrima Sinha Roy

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This is to certify that

Mousumi Ojha

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This is to certify that Madhusmita Mishra

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Nishika Sahu

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This is to certify that

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This is to certify that Surajit Basak

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This is to certify that

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This is to certify that Suparna Biswas

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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Arijit Chakraborty

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This is to certify that **Pritam Bhattacharjee**

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Saikat Mondal

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Sneha Naskar

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Somnath Dasgupta

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This is to certify that Anirban Neogi

has participated in Third International Conference on Innovations in Software Architecture and Computational Systems (**ISACS-2024**) held on 13th and 14th November, 2024 at DSCSITSC, Kolkata, India.

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This is to certify that Dr. Sayantan Chakraborty

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This is to certify that Dr. Arindam Sadhu

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This is to certify that Jeevitesh Ranjan

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This is to certify that **Ravi Kumar Burman**

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