



যাদবপুর বিশ্ববিদ্যালয়
Jadavpur University

ISDR INNOVATION AND
SKILL
DEVELOPMENT
RESEARCH
CENTRE

INFORMATION BROCHURE

ONE DAY NATIONAL SEMINAR

ON

SCIENTIFIC INNOVATION AND SKILL DEVELOPMENT FOR SOCIETAL ADVANCEMENT

SISDSA 2.0 | 2026

18th March, 2026

9.00 AM - 5.30 PM

VENUE: Dr. K.P. BASU MEMORIAL HALL, E.Sc BUILDING
(1ST FLOOR), NEAR GATE NO-3, JADAVPUR UNIVERSITY,
KOLKATA-700032

Organised By

INNOVATION & SKILL DEVELOPMENT RESEARCH CENTRE (ISDR)



ABOUT

INNOVATION AND SKILL DEVELOPMENT RESEARCH CENTRE (ISDRC)

VISION

The Innovation and Skill Development Research Centre (ISDRC) comes under the category of "Centre of Studies" of Jadavpur University, Kolkata, was established in the year 2024 with a keen vision to promote skill oriented education amongst students and upskilling them in accordance with the National Education Policy (NEP), 2020, with an impassioned group of professors, PhD scholars and UG, PG students of Department of Physics, JU. ISDRC envisions a future where scientific innovation and skill development drive societal progress. Our goal is to create a dynamic ecosystem where students, researchers, and professionals collaborate to bridge the gap between theoretical knowledge and real-world applications.

MISSION

Our mission is to provide a platform for nurturing talent through innovative projects, hands-on workshops, empowering individuals with the skills and knowledge in accordance with the current rapidly changing scenarios. We are dedicated to create opportunities for students and professionals to engage in various innovative and collaborative activities to solve real world problems. Throughout these efforts, ISDRC looking forward to make significant contributions to both education and sustainable societal progress.

CORE VALUES

- Innovation – Encouraging creative and groundbreaking research.
- Skill Development – Fostering hands-on learning and technical expertise.
- Collaboration – Building strong partnerships across disciplines and institutions.
- Integrity – Upholding ethical research and scientific responsibility.
- Societal Impact – Ensuring our work benefits the broader community.



ABOUT

THE SEMINAR, HANDS-ON SESSION AND POSTER PRESENTATION

FOCUS AREA OF THE SEMINAR

Aligned with the core objectives of ISDRC, this event seeks to bridge the gap between academic knowledge and real-world applications, providing a platform for students, researchers, and professionals to engage in transformative learning experiences. Through insightful discussions, workshops, and collaborations, the seminar will explore how innovation and skill development can empower individuals and communities, fostering sustainable progress in various sectors. Ultimately, the seminar underscores ISDRC's commitment to driving societal change through knowledge and expertise.

MOST THRUSTED AREAS OF THE SEMINAR

- Quantum Information and Computing
- Experimental secure Quantum Communications
- High Angular resolution astronomy
- Observational Astronomy & Astronomical Instrumentation
- Material Science and Nanotechnology
- Electronics and Instrumentation



EVENT COORDINATION COMMITTEE

PATRON

Prof. Chiranjib Bhattacharjee, Vice Chancellor, Jadavpur University

Prof. Amitava Datta, Pro-Vice Chancellor, Jadavpur University

CHAIRMAN

Prof. Nabin Baran Manik, HOD, Dept. of Physics Jadavpur University

CONVENOR

Dr. Soumyaditya Sutradhar Dept. of Physics Jadavpur University

SCIENTIFIC ADVISORY COMMITTEE

- Prof. Debasish Lohar, Dept. of Physics, Jadavpur University
- Prof. Argha Deb, Dept. of Physics, Jadavpur University
- Prof. Ruma Ray, Dept. of Physics, Jadavpur University
- Prof. Sanat Karmakar, Dept. of Physics, Jadavpur University
- Prof. Sukhen Das, Dept. of Physics, Jadavpur University
- Prof. Kaustuv Das, Dept. of Physics, Jadavpur University
- Prof. Chittaranjan Sinha, Dept. of Chemistry, Jadavpur University
- Prof. Nandini Mukhopadhyay, Dept. of CSE, Jadavpur University
- Prof. Kajal Krishana Rajak, Dept. of Chemistry, Jadavpur University
- Prof. Subhadipta Mukhapadhyay, Dept. of Physics, Jadavpur University
- Prof. Diganta Saha, Dept. of CSE, Jadavpur University
- Prof. Biswadip Das, Dept. of Biotechnology, Jadavpur University
- Prof. Punyasha Chatterjee, School of Mobile Computing & Communication, Jadavpur University
- Prof. Abhoy Chand Mondal, Dept. of CSE, Burdwan University
- Prof. S. Acharya, School of Applied & Interdisciplinary Science, IACS Kolkata



SCIENTIFIC ADVISORY COMMITTEE

- Prof. S. Samanta, Dept. of Geological Science, Jadavpur University
- Prof. S. Mukhopadhyay, Dept. of Physics, Burdwan University
- Prof. Subrata Sinha, Dept. of Physics, Visva Bharati University
- Prof. A. N. Basu, Dept. of Physics (Emeritus Professor), Jadavpur University

ORGANIZING COMMITTEE

- Dr. Animesh Layek, Dept. of Physics, Jadavpur University
- Dr. Chandan Maity, Dept. of Physics, Jadavpur University
- Dr. Sachindranath Das, Dept. of Instrumentation Science, Jadavpur University
- Dr. Kausikisankar Pramanik, Dept. of Chemistry, Jadavpur University
- Dr. P. R. Bangal, Scientist, IICT Hyderabad
- Dr. Subhasis Panja, Scientist, NPL New Delhi
- Dr. Abiral Tamang, Dept. of Physics, Jadavpur University
- Dr. Sahinur Reja, Dept. of Physics, Jadavpur University
- Dr. Kanan Kumar Datta, Dept. of Physics, Jadavpur University
- Dr. Rabindranath Gayen, Dept. of Physics, Jadavpur University
- Prof. Pabitra Kumar Paul, Dept. of Physics, Jadavpur University
- Dr. Soumen Mondal, Dept. of Physics, Jadavpur University
- Indranil Mukherjee, ODS (Admission), Jadavpur University



STUDENT ORGANISING COMMITTEE

- Arnab Kranti Karan, Research Scholar, Dept. of Physics, Jadavpur University
- Chinmoy Sarkar, Research Scholar, Dept. of Physics, Jadavpur University
- Niloy Mandal, Research Scholar, Dept. of Physics, Jadavpur University
- Arpan Purkait, UG-III, Dept. of Physics, Jadavpur University
- Rangan Chakrabarty, UG-III, Dept. of Physics, Jadavpur University
- Sounak Saranagi, UG-III, Dept. of Physics, Jadavpur University
- Sanket Dolui, UG-II, Dept. of Physics, Jadavpur University
- Anindya Biswas, UG-II, Dept. of Physics, Jadavpur University
- Aritra Singha Roy, UG-II, Dept. of Physics, Jadavpur University
- Aritra Roy Pradhan, UG-II, Dept. of Physics, Jadavpur University
- Debapriya Garai, UG-II, Dept. of Physics, Jadavpur University
- Pranoy Dey, UG-II, Dept. of Physics, Jadavpur University
- Souvik Datta, PG-I, Dept. of Physics, Jadavpur University



SPEAKER LIST

Prof. Urbasi Sinha

Raman Research Institute (RRI), Bengaluru, India

Specialization: Experimental Quantum Information and Quantum Computing, Experimental Quantum Cryptography, Quantum Internet, Long distance free space Quantum Key Distribution

Prof. Soumen Mondal

S.N. Bose National Centre for Basic Sciences, Kolkata, India

Specialization: Extra-solar planets, Small solar system objects, Brown dwarfs in star-forming regions, High Angular resolution astronomy on M-Giants and Mira variables, Astronomical Instrumentation

Prof. Rajib Bandyopadhyay

**Department of Instrumentation and Electronics Engg
Jadavpur University, Kolkata, India**

Specialization: NIR Spectroscopy, Electronic Nose, Electronic Tongue

Dr. Santanu Acharya

**Assistant Controller of Patents and Designs, Indian Patent Office,
O/o CGPDTM, Department for Promotion of Industry and Internal
Trade, Ministry of Commerce & Industry, Government of India.**

Specialization: Multiferroic and spintronic materials, Magnetic and Mossbauer studies, Magnetic phase transitions



IMPORTANT DATES

DATE OF SEMINAR

18th March, 2026

Last Date For Participant Registration

08th March, 2026

Last Date For Submission Of Theme

For Hands On Session

01st March, 2026

Last Date For Abstract Submission For

Poster Presentation

01st March, 2026

Invitation & Acceptance Letter Will Be

Sent By

10th March, 2026

Verification Of Attendees & Spot

Registration

18th March, 2026

9:00 AM to 10:00 AM

REGISTRATION DETAILS

Participants are advised to complete their online registration process through the google form after depositing the required registration fees according to the eligible category.

** The registration for the seminar will be on first-come-first-serve basis as seats are limited

[Click here for Registration](#)

Registration Fee

(Including GST)

- Students - 250/-
- Research Scholars - 500/-
- Faculty - 750/-
- Industry Professionals - 900/-

Payment Details

Instructions given in the Google form



BEST POSTER AND PROJECT RECOGNITION

- Presented posters and projects will be evaluated based on innovation, accuracy, feasibility, and presentation clarity.
- Best Prize for innovativeness in Oral presentation, Poster Presentation and Hand's on Model will be provided based on the judgements by the professors.

**Join official Whatsapp group of
ISDRC for more future updates**

<https://chat.whatsapp.com/Gjer3GU20bMBcuWb4F6IMc>



FUTURE PROSPECTIVES OF THE CENTRE

- ISDRC will launch its annual journal, which consists of writeups related to recent trends and innovations in scientific skill development.
- ISDRC will launch various kinds of courses and academic workshops in future to encourage skill development.
- ISDRC will encourage individual innovativeness thorough publishing blog articles of significant contribution to the society.

Contact Information

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Website of the Seminar: sisdsa2.isdrcju.in

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