

**Institution's Innovation Council.
Dr. B C Roy Engineering College, Durgapur.**

- I. Title of the Event:** Workshop on Design Thinking, Critical Thinking and Innovation Design
- II. Program Theme:** What, How and Why of the “Design Thinking, Critical Thinking and Innovation Design” for students
- III. Date & Time:** 27th and 28th February 2025 & Full Day
- IV. Event Coordinators:** EDC & IIC BCREC
- V. Number of Student Participants:** 90
- VI. Number of Faculty Participants:** 3
- VII. Number of External Participants, if any:** N/A
- VIII. Expenditure Amount, If any:** N/A
- IX. Mode of Session delivery:** Offline (Exhibition cum sale of Sohrai Art Products) and Online delivery by speaker Dr. Dola Sinha.
- X. Speaker details, If any (50-100 words):** Dr. Dola Sinha, Associate professor, Dept. of Electrical Engg, received B.E. in Electrical Engineering from Burdwan University, West Bengal, M. Tech from NIT, Durgapur and Doctoral from IIT-ISM Dhanbad, Jharkhand, India.

Her research area includes Electric Vehicle basically on speed control, regenerative braking, BMS, fast charging, wireless charging system, renewable energy harvest and integration, multi-input interleaved converter, resonant inverter, Multi-Level Inverter, high frequency induction heating, Dye sensitized solar cell fabrication etc.

She has several publications in reputed journals and conferences. She has handled several sponsored projects from Govt. of India.

She is the founder, CEO and managing partner of Ankuraan- a manufacturing unit of farm machinery. As an entrepreneur she has started her star-up from October 2022.
- XI. Objective of the event (100-150 words):** This workshop will foster innovative thinking, problem-solving, and creativity among students and faculty, bridging the gap between academic learning and real-world applications. Additionally, an exhibition-cum-sale of *Sohrai Art* products will be organized in front of the Central Library to promote traditional art and entrepreneurship.
- XII. Benefit in terms of learning/ Skill/ Knowledge obtained (150-200 words):** This workshop is an excellent opportunity for students, researchers, and professionals to expand their knowledge, enhance creativity, and develop industry-relevant skills essential for career growth. Additionally, the *Sohrai Art* Exhibition will provide exposure to traditional art and entrepreneurship, fostering an appreciation for cultural

innovation.

XIII. **Feedback received from the guest/ participants:** Yes

XIV. **Remarks, if any (50-100 words):** the event was successful in inspiring students to create innovative startups.

XV. **Poster or Banner of the event:**

DR. B.C. ROY SOCIETY
ENGINEERING
An Autonomous Institute

edc

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

ORGANISES

Workshop on Design Thinking, Critical Thinking and Innovation Design

Highlight: Exhibition cum sale of Sohrai Art Products

Exhibition Venue: Central Library Portico

Resource person: Prof. (Dr.) Dola Sinha

Date: 27.02.2025 - 28.02.2025

DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

XVI. **Photographs (5 (max) for offline or screenshots for online):**





meet.google.com/ceh-teca-bnr

dola sinha (Presenting)

Challenges

- Available Workshop and skilled person
- Motors with proper rating
- Drivers
- Autonomous system
- Heavy weight
- Turning mechanism using tie rod
- Arrangement of Funding
- Trial and testing



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SAYAN PATHAK EDC BCREC Dr. Anandapro... Nabanita Kundu Chandan Ghos... Ayush Keshri 15 others shovan roy

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EDC BCREC (Presenting)



Certificate of Appreciation
Dr. Dola Sinha
 of Dr.B.C.Roy Engineering College, Durgapur for being an Eminent Speaker at the Workshop on "Design Thinking, Critical Thinking Innovation Design" held on 27th- 28th February, 2025, jointly organised by Entrepreneurship Development Cell, BCREC and Institution's Innovation Council (IIC)
 Dr. Anandaprasanna Majumder
 Convener, EDC BCREC
 Dr. Sanjay S Pawar
 Principal, BC REC

dola sinha

20 others

shovan roy

In-call messages

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electrical ma'am

GOURAB BISWAS 3:32 PM
 so we need some kind of special roads
 can we make a prototype with you ma'am

GOURAB BISWAS 3:33 PM
 4th
 thank you ma'am

Indradeep Banerjee 3:34 PM
 Mam can we use any other source of energy
 instead of battery

Send a message to everyone

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dola sinha (Presenting)



THANK YOU
 dola.sinha@gmail.com
 dola.sinha@teca.ac.in

EDC BCREC

dola sinha

Subhasis Datta

SAYAN PATHAK

Dr. Anandapro...

Nabanita Kundu

Chandan Ghos...

Ayush Keshri

13 others

shovan roy

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