



THE SCIENCE CLUB

ST. XAVIER'S COLLEGE (AUTONOMOUS), RANCHI

विज्ञानं शिल्पति सभ्यतां
(Science Sculpts Civilizations)



The Science Club Of St. Xavier's College

TENURE : 2024-25



Monthly Report of September

Prem Kumar Gaurav
(President)

Preeti Kanodia
(Secretary)



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Total no. of members	29
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Total no. of General Meetings	0
Total no. of Board Meetings	2

Total Club Funds Collected	Rs.00.00
Total Club Funds Spent	Rs.00.00

Project No. - 1



Project Name - ANRF-SERB Sponsored Workshop on Modern Tools and Techniques for Surface Modification

Project Date - 15th-16th Spetember, 2025

Project Venue - R&D Building, BIT MESRA

Project Description - Members of The Science Club had the enriching opportunity to attend the ANRF-SERB Sponsored Two-Day Workshop on "Modern Tools and Techniques for Surface Modification".

The workshop brought together leading experts and researchers to provide deep insights into advanced surface engineering methods and their applications in materials science.

The workshop featured engaging lecture sessions, including Dr. Gayatri Paul's talk on Techniques for Characterization of Engineering Surfaces and Dr. S.K. Sinha's session on RBS/Channeling for Surface and Interface Analysis. These lectures provided valuable knowledge on modern analytical approaches and opened new perspectives for the students.

Alongside lectures, participants also benefited from advanced machine training sessions, which gave them hands-on exposure to tools used in thin film growth and surface analysis.

Project No. - 2



Project Name - ANRF-SERB Sponsored Workshop on Advanced Thin Film Deposition & Characterization Techniques

Project Date - 17th-18th Spetember, 2025

Project Venue - R&D Building, BIT MESRA

Project Description - Members of The Science Club attended the ANRF-SERB Sponsored Two-Day Workshop on "Advanced Thin Film Deposition & Characterization Techniques". The workshop focused on modern thin film deposition methods and advanced surface engineering techniques, bringing together experts and researchers to share valuable knowledge.

The lecture sessions covered a wide range of topics, including thin film growth, process optimization, and characterization techniques such as XRD, Raman, SEM, and AFM. Renowned speakers like Prof. J.D. Mazumder (IIT Kharagpur), Dr. Hari Om Yadav (NIT Delhi), Dr. Trilok Singh (IIT Delhi), and others delivered insightful talks that helped students understand the practical relevance of these techniques in research and industry. Participants also gained hands-on experience through advanced machine training sessions, where they explored tools for thin film deposition and surface characterization.

Project No. - 3



Project Name - ANRF-SERB Sponsored Workshop on Nanofluids and Heat Transfer

Project Date - 20th-21st Spetember, 2025

Project Venue - R&D Building, BIT MESRA

Project Description - Members of The Science Club attended the ANRF-SERB Sponsored Two-Day Workshop on "Heat Transfer and Characterization Techniques of Nanoparticles and Nanofluids". The workshop focused on advanced thermal management techniques and the synthesis of nanofluids, bringing together experts and researchers to share valuable knowledge.

The lecture sessions covered a wide range of topics, including Nanoparticles and Nanofluids Synthesis & Applications, Advanced Characterization Techniques, and the augmentation of Heat Transfer Techniques using nanofluids. A crucial focus was the Thermal Management of Solar Photovoltaic Plates. Renowned speakers like Prof. Arbind Kumar, Prof. Gautam Sarkhel, Dr. Gayatri Paul, Dr. Sushil Kumar Dhiman, and Nanotechnologist Mr. Chittaranjan Bhakat delivered insightful talks that helped students understand the practical relevance of these techniques in research, energy, and industry.

Board of Governors 2024-25

Prem Kumar Gaurav	President
Sadaqat Hussain	Vice President
Preeti Kanodia	Secretary
Harsh Singh	Deputy Secretary
Vishnu Nath Pandey	Treasurer
Mukesh Mahato	Club Service Executive
Gaurav Kumar Garv	Public Relations Executive
Eliza Roy	Vocational Service Executive
Simran Kumari	Team Statistics Head
Dev Nayak	Team Physics Head

I affirm that all the information I have provided is accurate and truthful. I have not supplied any incorrect detail intentionally. Both I and my club are prepared to accept any disciplinary measures if any discrepancy or inaccuracy are discovered during the verification process.



Preeti Kanodia

Secretary

The Science Club of St. Xavier's College