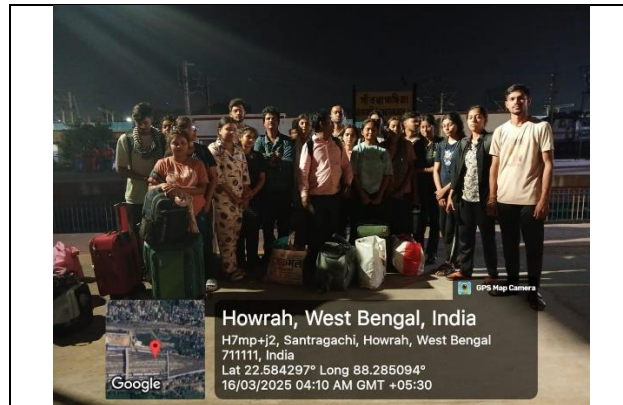


Industrial visit and Education tour Report

Kolkata from 14-3-2025 to 21-3-2025

The trip was started from Bilaspur (CG) on 14-3-2025 at 9am to Santragachi of (Howrah/Kolkata) on 16-3-2025. The trip is under guidance of Dr. DSVGK Kaladhar and Dr. Sudhakar. In this trip, Aanchal, Abhay, Abhishek, Arpita, Ayush, Daminee, Ashish, Deeksha, Diya, Sheetal, Pranjali, Tanushree, Muskan, Sonal, Ritesh, Monu, Moolchand, Naveen, Tanuja and Rakhi who are studying M.Sc. Microbiology and Bioinformatics (2023-2025 batch), UTD, Atal Bihari Vajpayee University, Bilaspur (CG) were participated.



The students are visited Information and Cultural affairs department, Victoria museum and Indian Museum on 16-3-2025. They had learned about the past and present cultures of people lived in Kolkata.



Students visited Kali Ghat, ZSI (MoU present with ABVV) and Birla Mandir on 17-3-2025. The students has taken blessings of Kali and Srikrishna and learned many aspects in ZSI like anatomy, arthropods, Molluscs, aves, molecular biology techniques, etc. The concepts of application and animal diversity has been well explained by several scientists of ZSI.





Students visited Dakshineswar Kali Mandir and CSIR-IICB on 18-3-2025. The cultures of Kolkata and concepts of living has been learned in the streets of Kolkata. The students learned much in CSIR-IICB lab. Dr.Sarita Ghosh has prepared schedule and students has visited several labs like NMR spectroscopy lab, Bioinformatics lab, Raman spectroscopy lab, Molecular Biology lab, etc. The students have learned several aspects of usage of equipments along with scientific applications of microbiology and Bioinformatics in modern days.



The students and faculty visited Botanical garden and travelled in Vintage train on 19-3-2025. The students has learned several botanical aspects. The students like to study further on *Swietenia macrophylla*, *Livistone chinensis*, *Corypha umbraculifera*, etc.



The 20 students and faculty are back to Bilaspur from Howrah on 21-3-2025

Conclusion

The students of Microbiology and Bioinformatics went to Kolkata for industrial visit and education tour. The 20 students and 2 faculty members has visited Zoological survey of india, CSIR-IICB labs, Botanical Garden, Victoria museum, Dakshineshwar Kali mandir and Indian Museum. The students were learned several science related information and collected samples for further research. The students seen NMR spectroscopy, Raman spectroscopy, anatomy, anthropology, arthropods, Molluscans, Molecular and chemical labs, etc. Aanchal, Abhay, Abhishek, Arpita, Ayush, Daminee, Ashish, Deeksha, Diya, Sheetal, Pranjali, Tanushree, Muskan, Sonal, Ritesh, Monu, Moolchand, Naveen, Tanuja and Rakhi along with Dr.DSVGK Kaladhar and Dr.Sudhakar M were participated in this industrial trip.

अटल बिहारी वाजपेयी विश्वविद्यालय के सूक्ष्म जीव विज्ञान और जैव सूचना विज्ञान के छात्रों ने औद्योगिक यात्रा और शैक्षिक दौरे के लिए कोलकाता का दौरा किया। 20 छात्रों और 2 संकाय सदस्यों ने भारत के

प्राणी सर्वेक्षण, सीएसआईआर-आईआईसीबी प्रयोगशालाएं, बोटanical गार्डन, विक्टोरिया संग्रहालय, काली मंदिर, बिरला मंदिर और भारतीय संग्रहालय का दौरा किया। छात्रों ने कई विज्ञान से संबंधित जानकारी सीखी और आगे की रिसर्च के लिए नमूने एकत्र किए। छात्रों ने एनएमआर स्पेक्ट्रोस्कोपी, रमन स्पेक्ट्रोस्कोपी, शरीर विज्ञान, मानव विज्ञान, आर्थ्रोपोड्स, मोलस्कन्स, आणविक और रासायनिक प्रयोगशालाएं आदि देखीं। आंचल, अभय, अभिषेक, अर्पिता, आयुष, डामिनी, आशीष, दीक्षा, दिया, शीतल, प्रंजली, तनुश्री, मुस्कान, सोनल, रितेश, मोनू, मूलचंद, नवीन, तनुजा और रेखा ने डॉ.कालाधर और डॉ.सुधाकर के साथ इस औद्योगिक यात्रा में भाग लिया।