



**Research and Development Cell**  
(Under the aegis of IQAC and in line with UGC Guidelines 2022)  
**BANWARILAL BHALOTIA COLLEGE ASANSOL**



**ACTION TAKEN REPORT 2022-23**

Date(s) of Meeting	Recommendations/ Observations/Decisions	Action Taken/Not Taken
1 <sup>st</sup> June 2022	Establishment of <b>Research Information Management System (RIM)</b> - a key factor as stated by the UGC guidelines for R&D cell. ➤ Proposal to launch IRINS, which a web-based RIM service of INFLIBNET, GOI.	<b>Latest and high-end DELL computer system has been bought and installed for the dedicated facilitation of the RIMs activities.</b> Next, the R&D cell had contacted the officers of IRINS for getting the direction for creation of the IRINS instance of the college. After collection and submission of required data, the IRINS instance of the college was launched with the help and constant support from INFLIBNET center, Govt. of India. <b>Indeed, our college became the very first college in the district to have its own IRINS instance for Research Information Management as mandated by the Govt. of India</b> <b>Link to our IRINS instance is: <a href="https://bbcollege.irins.org/">https://bbcollege.irins.org/</a></b>
1 <sup>st</sup> June 2022	Use of proper college affiliation by faculties in research publications	The faculties were briefed in this regard. The <b>Scopus publications</b> occurring under the two affiliations (i) B. B. College and (ii) Banwarilal Bhalotia College, <b>were merged by requesting Scopus administration.</b>
1 <sup>st</sup> June 2022	<b>Procurement of Plagiarism checking software.</b>	<b>Could not be materialized</b> due to the following reasons: (i) <b>High service charges/quotations</b> from all the plagiarism checking services contacted so far, viz. Turnitin, Quillbot, Grammarly. (ii) <b>Lack of positive response from KNU</b> (our affiliating university) to provide access to Ouriginal/Urkund like plagiarism checking services which are provided freely by Govt. of India for use by the faculties of universities and their affiliated colleges.
1 <sup>st</sup> June 2022	Incentive to faculties for Research Publications	Incentive to faculties who have regularly published research papers in international journals/book chapters of repute has been provided.
1 <sup>st</sup> June 2022	Corpus fund	It has been unanimously agreed that the institute overhead charges that have been obtained through various research projects shall be added to the Corpus fund of the R&D Cell. It was proposed that faculties will be asked to float UG/PG level consultancy projects to generate income for the college.

1 <sup>st</sup> June 2022 and 14 <sup>th</sup> July 2022	<b>Organization of seminar/webinar/workshops in Research Methodologies and Intellectual Property Rights.</b>	<p><b>Organized National Webinar on “Research Methodology and Intellectual Property Rights” on July 17, 2022.</b></p> <p><b>Resource Persons and their topic of presentation:</b></p> <ul style="list-style-type: none"> <li>• <b>Prof. Abhijit Mitra</b> Director, Research, Techno India University, West Bengal (Hony.). Former Associate Professor and Head, Department of Marine Science, University of Calcutta. He deliberated on the topic <i>“Research Methodology and its Applications”</i>.</li> <li>• <b>Dr. Prem Nath</b> Associate Professor at Computer Science and Engineering Department, H N B Garhwal University Uttarakhand. Former Assistant Controller of Patents &amp; Designs (Gazetted Group A Officer), at the Patent Office, Kolkata. He deliberated on the topic <i>“Awareness on Intellectual Property Rights (IPRs) and Patenting System in India”</i></li> </ul> <p><a href="#"><u>Detailed report is appended as Annexure-1 in Seminar Reports File.</u></a></p>
5 <sup>th</sup> August 2022	<b>Organization of seminar/workshops in Research Methodology in Literature and social sciences</b>	<p>Organized a Seminar on <b>“Combined Methods in Literary Research: Problems and Possibilities”</b> on 1<sup>st</sup> September, 2022</p> <p><b>Resource Person and their topic of presentation:</b></p> <p><b>Dr. Abhijit Sadhukhan</b>, Assistant Professor, Dept. of Bengali, Kazi Nazrul University. He deliberated on the topic <i>“Combined Methods in Literary Research: Problems and Possibilities”</i></p> <p><a href="#"><u>Detailed report is appended as Annexure-2 in Seminar Reports File.</u></a></p>
5 <sup>th</sup> August 2022	Skill development program with CMERI Durgapur	<p>Discussion on Skill Development Program/ Certificate Course in collaboration with CSIR-CMERI Durgapur on the topic <b>“Sensor and Instrumentation for Analytical Application”</b> was initiated. <b>Dr. Kalyan Kumar Mistry</b>, Principal Scientist, CSIR-CMERI agreed for the same. However, the SDP was not materialized due to lack of sufficient number of enrolments for the course even after repeated persuasions from various departments and faculties.</p>
5 <sup>th</sup> August 2022	Promoting faculties to apply for the newly launched <b>SERB-SURE Scheme of SERB, Govt. of India</b>	<p>A detailed deliberation on the SERB-SURE scheme and its procedure of application was discussed among the faculties of the college. <b>Now it was pride for us that two SERB-SURE research projects approved by the SERB.</b> The worth of the projects are approximately Rs. 23 Lakhs and Rs. 7 Lakhs resp.</p>
5 <sup>th</sup> August 2022 and 6 <sup>th</sup> September 2022	<b>Organization of workshops in use of Free and Open-Source software (FOSS) and Open-Source Hardware.</b>	<p>Organized a National Seminar on <b>“Possibilities of Open-Source Software and Hardware in HEI for teaching and Research”</b> on 9<sup>th</sup> September, 2022 from 12 noon. To deliberate on the topic we invited <b>Dr. Anindya Bose</b>, Senior Scientific Officer, Burdwan University as the resource person.</p> <p><a href="#"><u>Detailed report is appended as Annexure-3 in Seminar Reports File.</u></a></p>

24 <sup>th</sup> November 2022	Organizing international seminar on Future Prospects of UG/PG students of Mathematics in Industry and Academia	<p>A seminar on the “Future Prospects of UG and PG Students in Mathematics” was conducted on <b>1<sup>st</sup> December 2022</b>. For this <b>Dr. Pawan Kumar Gupta, PhD University of Central Florida, currently Post-Doctoral Fellow, University of Maryland, USA was invited to deliberate on the same</b>. The program was conducted in association with the Department of Mathematics. Dr. Gupta accepted the invitation and conducted a wonderful interactive session with UG/PG students of the college from Physics and Mathematics discipline and with students from surrounding colleges as well.</p> <p><a href="#"><u>Detailed report is appended as Annexure-4 in Seminar Reports File.</u></a></p>
24 <sup>th</sup> November 2022	Organize international seminar on the occasion of Einstein’s Nobel Prize Centenary Year Celebration	<p>An International Seminar on the occasion of Einstein’s Nobel Prize Centenary Year Celebration was conducted on <b>23<sup>rd</sup> December 2023</b>. The program was conducted by the Department of Physics and Mathematics in association with the R&amp;D Cell. We invited <b>Prof. Biswa Nath Datta, Professor, Department of Mathematics, Northern Illinois University, USA</b> to deliver on title “Fun with scientific computing”. We also invited another speaker <b>Dr. Rajsekhar Paul, Senior Principal Scientist, R &amp; D, Novartis Pharma, Basel, Switzerland</b> to deliver on title” R &amp; D career abroad post- BSc/MSc and guidance on right skill-sets. The faculties of Physics department also deliberated on the works and contribution of Sir Albert Einstein.</p> <p><a href="#"><u>Detailed report is appended as Annexure-5 in Seminar Reports File.</u></a></p>
24 <sup>th</sup> Nov. 2022	Organize a seminar and quiz contest to on the occasion of National Science Day Celebration	<p>National science day was celebrated on <b>28<sup>th</sup> February 2023</b> with a great enthusiasm and fervour. In this occasion, we invited <b>Dr. Rajarshi Ghosh, Associate Professor, Dept. of Chemistry, University of Burdwan</b> to speak on Title “Raman and his <i>effect</i> in chemistry”.</p> <p><a href="#"><u>Detailed report is appended as Annexure-6 in Seminar Reports File.</u></a></p>
24 <sup>th</sup> Nov. 2022	Collaboration and MOU with Industry and Academia	<p><b>Academia:</b> MOU has been established between Department of Physics, B. B. College Asansol and JIS University Kolkata with and aim to foster advancement in science-based research, teaching, and skill development for students and faculties.</p> <p><a href="#"><u>Detailed MOU is appended as Annexure-7 in the Reports File.</u></a></p> <p><b>Industry:</b> DE Tech. Kolkata was contacted for instrument manufacture. However, positive response is not received from their side.</p>