



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

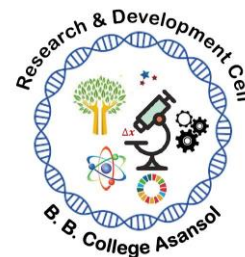


ACTION TAKEN REPORT 2022-23

Recommendations/ Observations/Decisions	Action Taken/Governance
<p>Establishment of Research Information Management System (RIM)- a key factor as stated by the UGC guidelines for R&D cell.</p> <p>➤ Proposal to launch IRINS, which a web-based RIM service of INFLIBNET, GOI.</p>	<p>Latest and high-end DELL computer system has been bought and installed for the dedicated facilitation of the RIMs activities.</p> <p>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. 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</p> <p>Link to our IRINS instance is: https://bbcollege.irins.org/</p>
<p>Use of proper college affiliation by faculties in research publications</p>	<p>The faculties were briefed in this regard. The Scopus publications occurring under the two affiliations (i) B. B. College and (ii) Banwarilal Bhalotia College, were merged by requesting Scopus administration.</p>
<p>Incentive to faculties for Research Publications</p>	<p>Incentive to faculties who have regularly published research papers in international journals/book chapters of repute has been provided.</p>
<p>Organization of seminar/webinar/workshops in Research Methodologies and Intellectual Property Rights.</p>	<p>Organized National Webinar on “Research Methodology and Intellectual Property Rights” on July 17, 2022.</p> <p>Resource Persons and their topic of presentation:</p> <ul style="list-style-type: none">• Prof. Abhijit Mitra 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 “Research Methodology and its Applications”.• Dr. Prem Nath Associate Professor at Computer Science and Engineering Department, H N B Garhwal University Uttarakhand. Former Assistant Controller of Patents & Designs (Gazetted Group A Officer), at the Patent Office, Kolkata. He deliberated on the topic “Awareness on Intellectual Property Rights (IPRs) and Patenting System in India” <p>Detailed report is appended as Annexure-1 in Seminar Reports File.</p>

<p>Organization of seminar/workshops in Research Methodology in Literature and social sciences</p>	<p>Organized a Seminar on “Combined Methods in Literary Research: Problems and Possibilities” on 1st September, 2022 Resource Person and their topic of presentation: Dr. Abhijit Sadhukhan, Assistant Professor, Dept. of Bengali, Kazi Nazrul University. He deliberated on the topic “<i>Combined Methods in Literary Research: Problems and Possibilities</i>” <u>Detailed report is appended as Annexure-2 in Seminar Reports File.</u></p>
<p>Promoting faculties to apply for the newly launched SERB-SURE Scheme of SERB, Govt. of India</p>	<p>A detailed deliberation on the SERB-SURE scheme and its procedure of application was discussed among the faculties of the college. Now it was pride for us that two SERB-SURE research projects approved by the SERB. The worth of the projects are approximately Rs. 23 Lakhs and Rs. 7 Lakhs resp.</p>
<p>Organization of workshops in use of Free and Open-Source software (FOSS) and Open-Source Hardware.</p>	<p>Organized a National Seminar on “Possibilities of Open-Source Software and Hardware in HEI for teaching and Research” on 9th September, 2022 from 12 noon. To deliberate on the topic we invited Dr. Anindya Bose, Senior Scientific Officer, Burdwan University as the resource person. <u>Detailed report is appended as Annexure-3 in Seminar Reports File.</u></p>
<p>Organizing international seminar on Future Prospects of UG/PG students of Mathematics in Industry and Academia</p>	<p>A seminar on the “Future Prospects of UG and PG Students in Mathematics” was conducted on 1st December 2022. For this Dr. Pawan Kumar Gupta, PhD University of Central Florida, currently Post-Doctoral Fellow, University of Maryland, USA was invited to deliberate on the same. 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. <u>Detailed report is appended as Annexure-4 in Seminar Reports File.</u></p>
<p>Organize international seminar on the occasion of Einstein’s Nobel Prize Centenary Year Celebration</p>	<p>An International Seminar on the occasion of Einstein’s Nobel Prize Centenary Year Celebration was conducted on 23rd December 2023. The program was conducted by the Department of Physics and Mathematics in association with the R&D Cell. We invited Prof. Biswa Nath Datta, Professor, Department of Mathematics, Northern Illinois University, USA to deliver on title “Fun with scientific computing”. We also invited another speaker Dr. Rajsekhar Paul, Senior Principal Scientist, R & D, Novartis Pharma, Basel, Switzerland to deliver on title” R & 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. <u>Detailed report is appended as Annexure-5 in Seminar Reports File.</u></p>

<p>Organize a seminar and quiz contest to on the occasion of National Science Day Celebration</p>	<p>National science day was celebrated on 28th February 2023 with a great enthusiasm and fervour. In this occasion, we invited Dr. Rajarshi Ghosh, Associate Professor, Dept. of Chemistry, University of Burdwan to speak on Title “Raman and his <i>effect</i> in chemistry”.</p> <p><u>Detailed report is appended as Annexure-6 in Seminar Reports File.</u></p>
<p>Collaboration and MOU with Industry and Academia</p>	<p>Academia: 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><u>Detailed MOU is appended as Annexure-7 in the Reports File.</u></p> <p>Industry: DE Tech. Kolkata was contacted for instrument manufacture. However, positive response is not received from their side.</p>



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BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on “An International Seminar on: Future Prospects of UG & PG Students in Mathematics”

Held on: 1st December, 2022

The Department of Mathematics in association with the Research and Development Cell, and Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organized an International Seminar on “Future Prospects of UG & PG Students in Mathematics” on 1st December, 2022 from 12PM.

We invited **Dr. Pawan Kumar Gupta**, an International Scientist and Industry Expert from the United States of America. Dr. Gupta is presently a Postdoctoral Fellow in University of Maryland, Baltimore, USA and had held the post of Associate Director, Boehringer Ingelheim, a leading Pharmaceutical Manufacturing Company. Dr. Gupta received his Master's degree in Applied Mathematics from IIT (ISM), Dhanbad, India in 2010, and, Master's & Ph.D. degrees in Mathematics from University of Central Florida, Orlando, USA in 2015 and 2019 respectively. He has immensely contributed to the pharmaceutical research areas like Pharmacokinetics/Pharmacodynamics (PK-PD) modeling and simulation, Radiation Oncology etc. to support drug development.

Following is the link to the Letter of Invitation and his acceptance for the same:

<https://drive.google.com/file/d/1yisCTPyVkWqmzqAm0XD4qDa04-JmICoP/view?usp=sharing>

Following is the link to the Flier:

<https://drive.google.com/file/d/1E-YmumJfEJwKO-P3aZ-5yo9lsSCafSzF/view?usp=sharing>

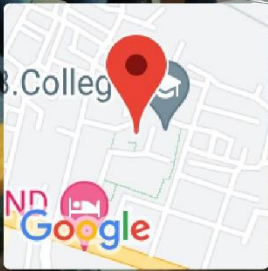
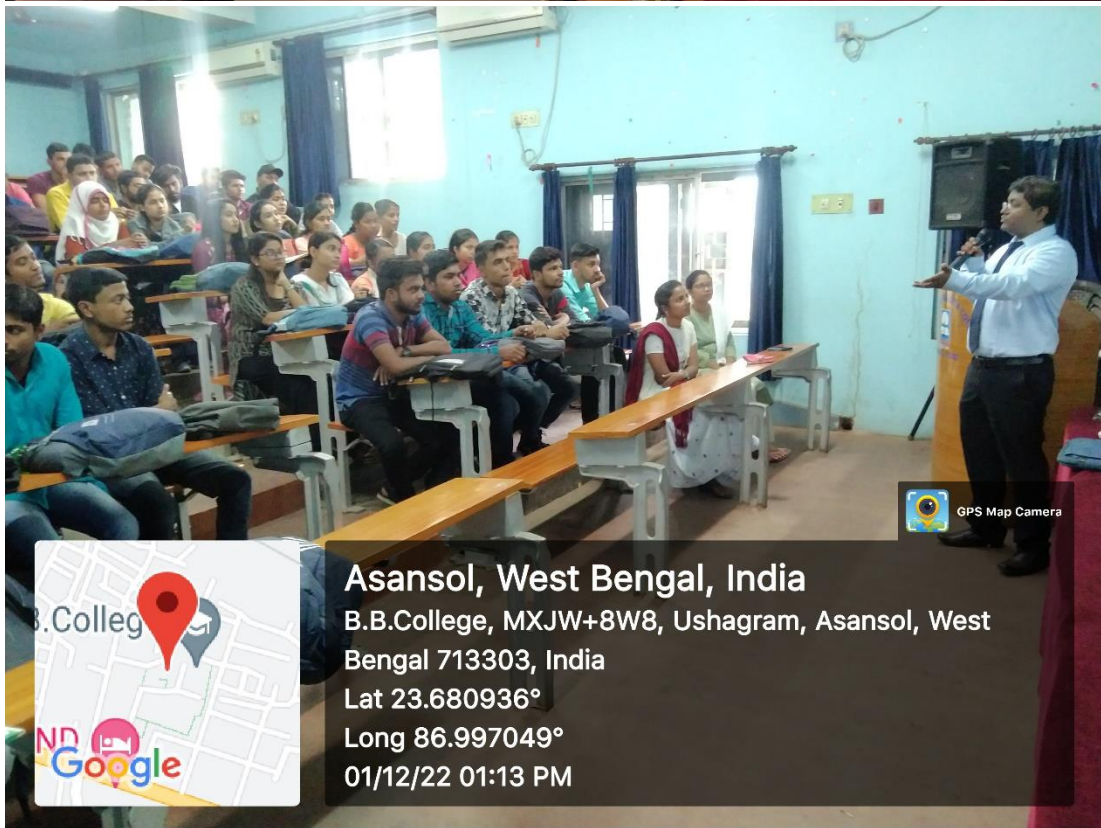
➤ **A summary of the events in chronological order as they happened on the day of the seminar:**

- The technical session in the Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor Dr. Dalbinder Kaur who welcomed our Principal Sir, the resource person and faculty members for lightening of the lamp. Thereafter, Principal Sir gave a wonderful inaugural speech to set the right tone of the seminar.

- Next, we had a very lively interactive session between the audience and the speaker Dr. Pawan Kumar Gupta. **Over 90 participants attended the seminar including over 80 students from various disciplines who attended and interacted with Dr. Gupta to clear their doubts and misconceptions of studying/working abroad.**
- At first, Dr. Gupta recollected his wonderful and hard-earned journey from his poor dwellings in a very low-income family in Asansol to an established scientist at USA. He explained how his love and passion for mathematics motivated and inspired him in this pursuit. He then gave a detail on the various competitive examinations after UG and PG.
- After that, a **step wise detailed explanation of the GRE and TOEFL** examination was discussed among the students. The students came up with queries, doubts and worries which were resolved up to their satisfaction. They were also exposed with the various job opportunities.
- After that the floor was open for discussion. Students were given a task of writing Statement of Purpose (SOP) and submit them to Dr. Gupta for evaluation and betterment.

➤ **Here are a few photos of the seminar:**





Asansol, West Bengal, India

B.B.College, MXJW+8W8, Ushagram, Asansol, West Bengal 713303, India

Lat 23.680936°

Long 86.997049°

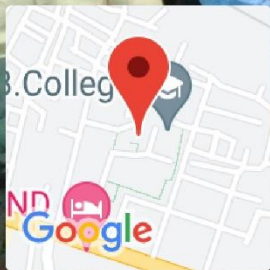
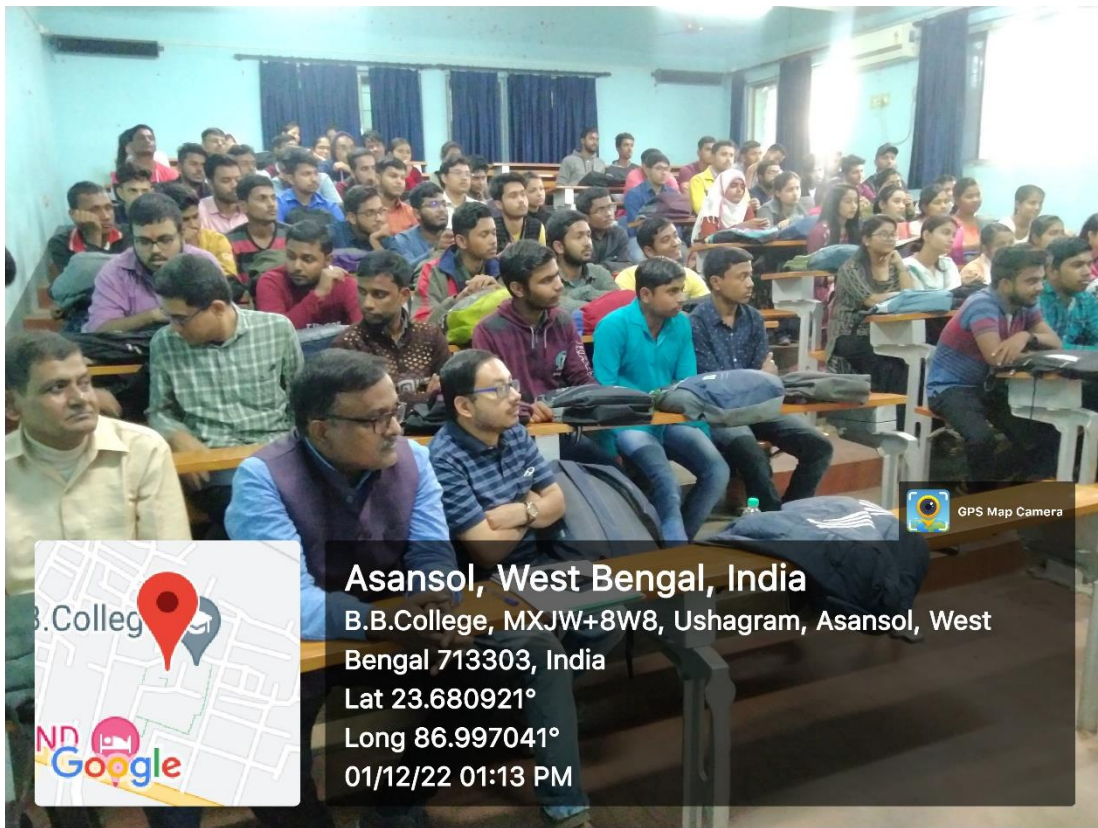
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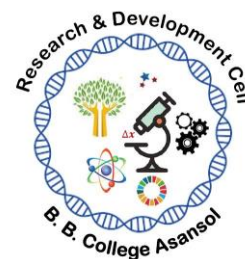
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Link to other photos of the seminar:

<https://drive.google.com/drive/folders/1W1G45b8bJm7GEnPwXtJm1r LI46QRNr ?usp=sharing>



Research and Development Cell
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BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

**Brief Report on “Combined Methods in Literary Research:
Problems and Possibilities”**

Held on: 1st September, 2022

The Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “Combined Methods in Literary Research: Problems and Possibilities” on 1st September, 2022 from 11.30 AM.

We invited **Dr. Abhijit Sadhukhan**, Assistant Professor, Dept. of Bengali, Kazi Nazrul University to speak on various facets of research methodology pertaining to literary studies. Dr. Sadhukhan is a member of The Asiatic Society, Kolkata. His major research Interests are: Medieval Bangla Literature and Religion, Medieval Indian Literature, Literary Aesthetics, Caste system in Bengal. Dr. Sadhukhan is helming a prestigious project on ‘Religion and Caste in an Industrial Town: An Ethnographic Study of Asansol’ under **UGC-STRIDE** at Kazi Nazrul University

Following is the link to the Letter of Invitation and his acceptance for the same:

https://drive.google.com/file/d/1TpjXISo_g9iXHlhBCxIMQ1QqlZYIfH2-/view?usp=sharing

Following is the link to the Brochure and programme schedule:

https://drive.google.com/file/d/1IVwthzdw0luNNsk9AvoqhQ5DTM_XnwYi/view?usp=sharing

Around **65** participants comprising of academicians, professors, teachers, researchers, students, and independent educationists registered for the seminar.

Following is the link to the Registered Participants:

<https://docs.google.com/spreadsheets/d/1xLsxchOrOTd9QW0DPxuLb1fEjNtkneqErvuIJf8yFsk/edit#gid=475207398>

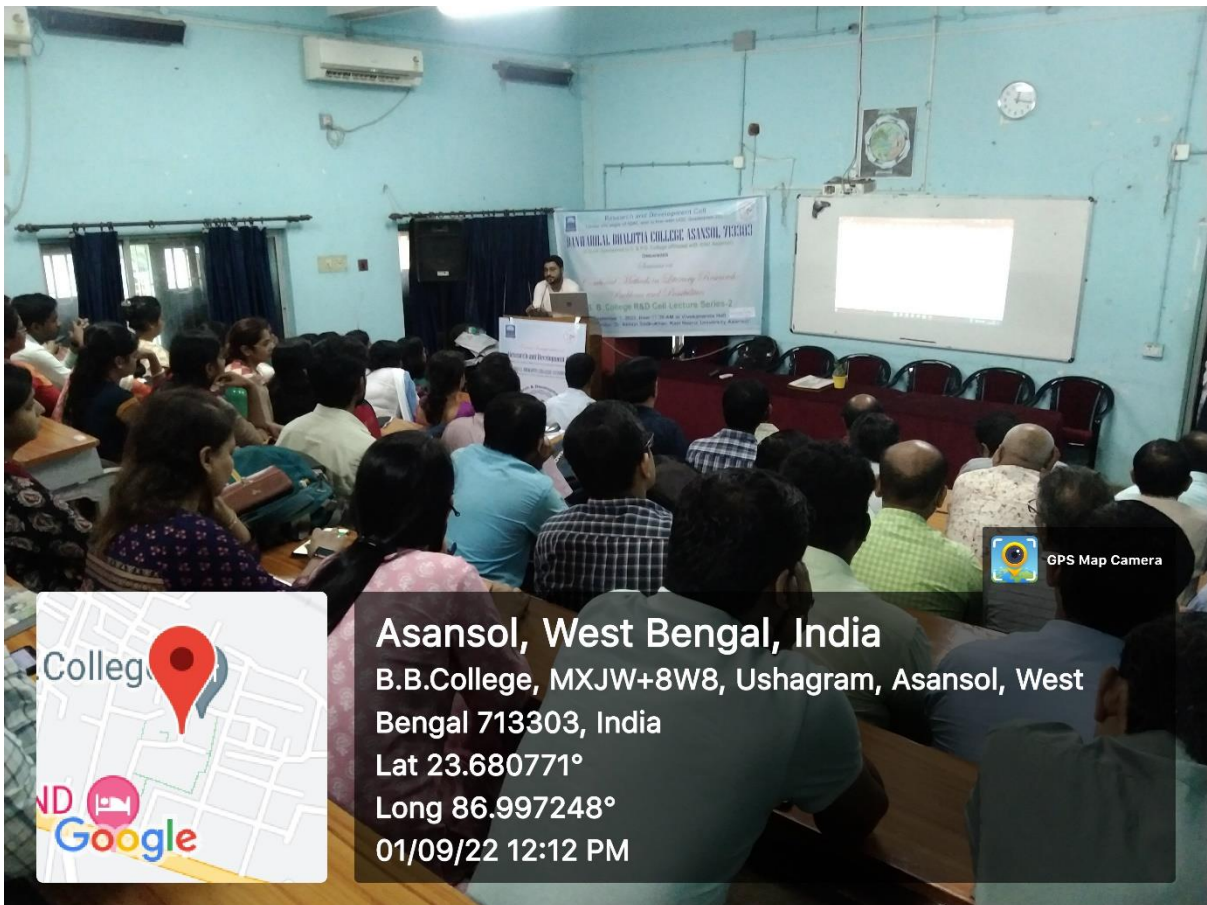
- **A summary of the events in chronological order as they happened on the day of the seminar:** There was one technical session in this Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor who also introduced the speaker. The speaker delivered his lecture and next the moderator as well as the convenor of the seminar made a few comments and raised a

question. Next, we had a very lively interactive session between the audience and the speaker. Thereafter, one of our joint secretaries presented the vote of thanks and formally concluded the seminar.

Around 77 people attended the seminar. The seminar was conducted with active and unconditional efforts of all our esteemed committee members (as provided in the brochure). The response of the audience was encouraging as they raised several pertinent questions and came up with interesting comments. The respected speaker responded to all the questions and queries with elan. Although the focus of the seminar was on the literary studies, it turned out to be an interdisciplinary affair as the speaker explicated the possibilities of combining archival and ethnographic methods in research. Nevertheless, Dr. Sadhukhan warned us against the pitfalls and excesses of interdisciplinary research.

Here are a few photos of the seminar:

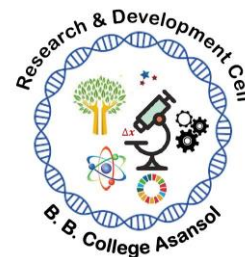






Link to other photos of the seminar:

<https://drive.google.com/drive/folders/1W4cfoYddj6HUGt3RHugRKVCW2A7o59ks?usp=sharing>



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BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on “Possibilities of Open-Source Software and Hardware in HEI for teaching and Research”

Held on: 9th September, 2022

The Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “Possibilities of Open-Source Software and Hardware in HEI for teaching and Research” on 9th September, 2022 from 12 noon.

We invited Dr. Anindya Bose, Assistant Professor, Senior Scientific Officer, Burdwan University to speak on various facets of Open-Source Software and Hardware in HEI for teaching and Research. His CV can be found here: https://www.buruniv.ac.in/Downloads/Biodata/EMP_2032_AnindyaBose.pdf. More details of Dr. Bose research works is highlighted in his webpage: <https://bugnss.webs.com/>

Abstract of the talk:

“Free and Open source softwares (FOSS) have many advantages from cost, complexity, flexibility, security and innovative applications. More and more applications and usage are coming up fast, those can be used for Higher Education Institutions for teaching and research purposes. Together with Open-source software, another important aspect for the educators is the use of Open-source hardware, again with multiple advantages, most important being cost and flexibility. The presentation would consist of an introduction to open-source Software and Hardware, how to procure/ install them, their advantages and opportunities in HEI.”

One page Flyer of the Seminar:



B. B. College R & D Cell Lecture Series-3

Seminar on "Possibilities of Open-Source Software and Hardware in HEI for teaching and Research"

Abstract: Free and Open source softwares (FOSS) have many advantages from cost, complexity, flexibility, security and innovative applications. More and more applications and usage are coming up fast, those can be used for Higher Education Institutions for teaching and research purposes. Together with Open-source software, another important aspect for the educators is the use of Open-source hardware, again with multiple advantages, most important being cost and flexibility. The presentation would consist of an introduction to open-source Software and Hardware, how to procure/ install them, their advantages and opportunities in HEI.

Speaker: Dr. Anindya Bose
Burdwan University

Date : 09/09/22

Time: 12 noon onward

Venue: Vivekananda Seminar Hall

[Registration link \(within 08/09/22\):](https://forms.gle/a1WNEj3stCDerVQP9)

<https://forms.gle/a1WNEj3stCDerVQP9>

Organizing Committee:

Chairperson: Prof. Amitava Basu, Principal,
B.B. College, Asansol

Convenors: Dr. Parimal Ghosh and Dr. Abhik
Ghosh, B. B College, Asansol

LOC: IQAC and Members of the R & D Cell of
B. B College, Asansol

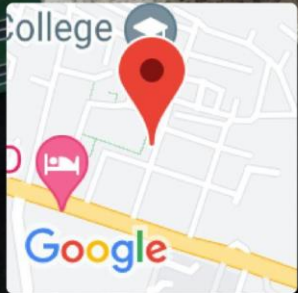
Following is the link to the Registered Participants (around 70):

<https://forms.gle/a1WNEj3stCDerVQP9>

- **A summary of the events in chronological order as they happened on the day of the seminar:**
- 1. Opening of the R & D Cell by Dr. Anindya Bose
- 2. Welcome address by Dr. Chandana Singha
- 3. Felicitation of resource person by our principal sir Dr. Amitava Basu
- 4. Inaugural speech by principal sir Dr. Amitava Basu
- 5. Resource person introduction by Dr. Parimal Ghosh
- 6. Seminar of the day by Dr. Anindya Bose
- 7. Vote of thanks by Dr. Abhik Ghosh

Youtube link of the seminar: <https://youtu.be/tgI8tkITFyM>

Here are a few photos of the seminar:



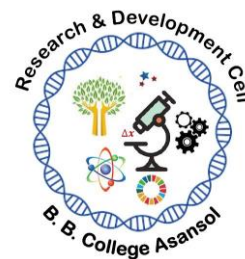
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[Link to other photos of the seminar:](https://drive.google.com/drive/folders/1QWGxlsDxfkyCuAP786zJU1vr3KuD0R5?usp=sharing)

<https://drive.google.com/drive/folders/1QWGxlsDxfkyCuAP786zJU1vr3KuD0R5?usp=sharing>



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Brief Report on “One-day International Seminar on the occasion of Albert Einstein’s Nobel Prize Centenary year celebration "Journey of Quantum Mechanics"”

Held on: 23rd December, 2022

Department of Physics and Mathematics, Research and Development Cell in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organized a Seminar on “**One-day International Seminar on the occasion of Albert Einstein’s Nobel Prize Centenary year celebration "Journey of Quantum Mechanics"”** on 23rd December, 2022 from 11 AM.

We invited Prof. Biswa Nath Datta, Professor, Department of Mathematics, Northern Illinois University, USA to deliver on title “Fun with scientific computing”. We also invited another speaker Dr. Rajsekhar Paul, Senior Principal Scientist, R & D, Novartis Pharma, Basel to deliver on title” R & D career abroad post- BSc/MSc and guidance on right skill-sets.

One page Flyer of the Seminar:

<https://drive.google.com/file/d/1UoQF0qw7pa9KCPRBIynrSEQwe7TvXzlx/view?usp=sharing>

- **A summary of the events in chronological order as they happened on the day of the seminar:**
- Welcome address by Dr. Parimal Ghosh.
- Felicitation of both resource persons Prof. Biswa Nath Datta and Dr. Rajsekhar Paul by our principal sir Dr. Amitava Basu.
- Inaugural speech by principal sir Dr. Amitava Basu.
- Speech by Dr. Asim Kumar Mukherjee.
- Speech by Dr. Kausik Mukherjee
- Speech by Dr. Kajal Krishna Dey.
- Lecture by Prof. Biswa Nath Datta.
- Lecture by Dr. Rajsekhar Paul

➤ Vote of thanks by Dr. R. K. Roy.

Around 120 participants comprising of academicians, professors, teachers, researchers, students, and independent educationists attend for the seminar. The response of the audience was encouraging as they raised several pertinent questions and came up with interesting comments. The respected speaker responded to all the questions and queries with elan.

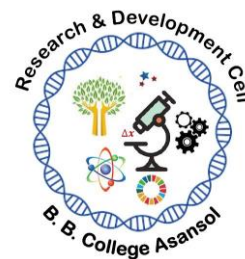
Here are a few photos of the seminar:





Asansol, West Bengal, India
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Brief Report on “One-day Seminar on the theme “Research Methodology- SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL”

Held on: 27th June, 2023

The Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “One-day Seminar on the theme “Research Methodology- SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL” on 27th June, 2023 from 1PM.

We invited **Dr. Arindam Biswas**, Associate Professor, School of Mines and Metallurgy, HOD (Addl Charge) Department of Computer Science & Engineering, Kazi Nazrul University, Asansol to speak on SOURCES FOR RESEARCH GRANTS AND RESEARCH PROPOSAL.

Abstract of the talk:

Research funding is defined as a grant obtained for conducting scientific research generally through a competitive process. To apply for grants and securing research funding is an essential part of conducting research. In this talk, we will discuss why should one apply for research grants, what are the avenues for getting research grants, and how to go about it in a step-wise manner. We will also discuss how to write research grants and what to be done after funding is received.

Link to letter of invitation and acceptance:

https://drive.google.com/file/d/1E_LkBzTBddX0oEDAKgFD5cFOKMgEwOAP/view?usp=sharing

Link to flier of the seminar:

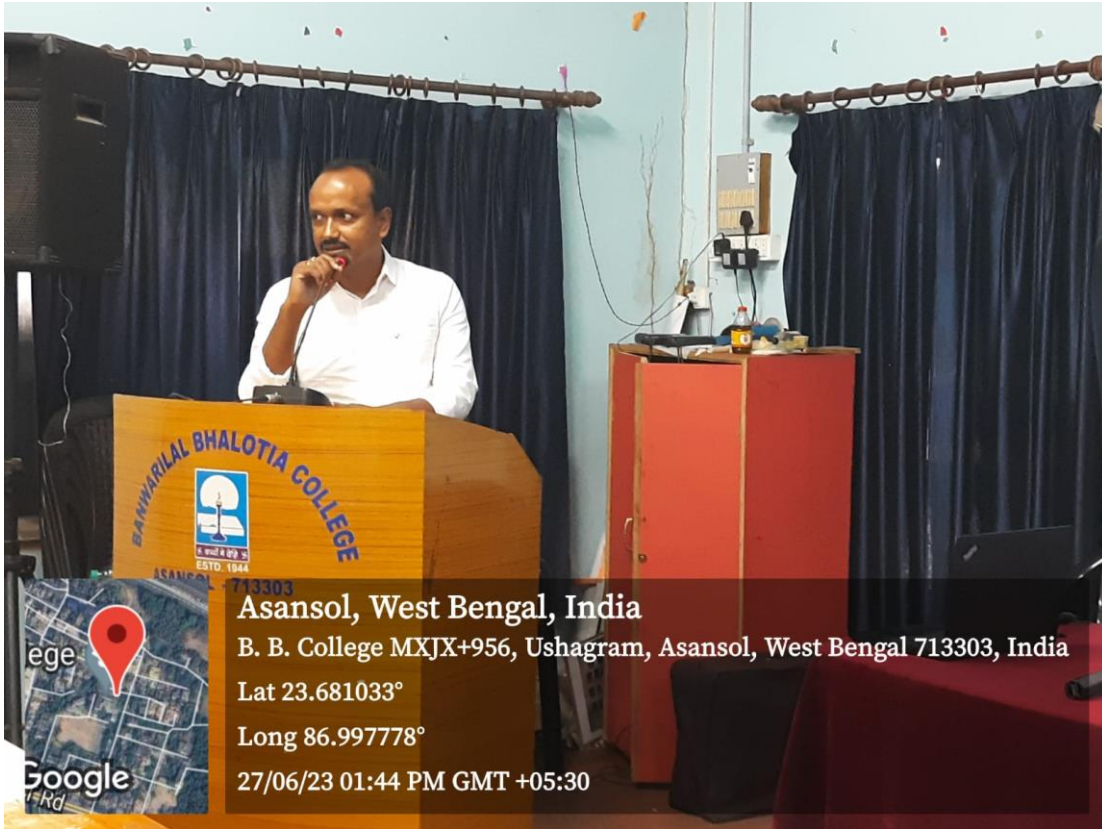
<https://drive.google.com/file/d/1wP2v9XGEtMr6kMapy9ojvAm1wG0Rn2BL/view?usp=sharing>

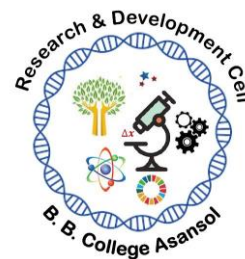
- **A summary of the events in chronological order as they happened on the day of the seminar:** There was one technical session in this Seminar followed by an interactive session. The seminar opened with the inaugural session with a welcome note from the anchor who also introduced the speaker. The speaker delivered his lecture and next the moderator as well as the convenor of the seminar made a few comments and raised a question. Next, we had a very lively interactive session between the audience and the speaker. Thereafter, one of our joint secretaries presented the vote of thanks and formally concluded the seminar.

Around **45** faculties from mainly science back ground from college attended the seminar. The seminar was conducted with active and unconditional efforts of all our esteemed committee members (as provided in the brochure). The response of the audience was encouraging as they raised several pertinent questions and came up with interesting comments. The respected speaker responded to all the questions and queries with elan.

Here are a few photos of the seminar:







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Brief Report on “National Science Day Celebration 2023”

Held on: 28th February, 2023

Department of Physics & Research and Development Cell, in association with Internal Quality Assurance Cell, Banwarilal Bhalotia College, Asansol-713303, organised a Seminar on “National Science Day Celebration 2023” on 28th February, 2023’ from 11 am.

We invited Dr. Rajarshi Ghosh, Associate Professor, Department of Chemistry, The University of Burdwan to speak on Title Raman and his “effect” in chemistry.

Link of invitation and acceptance letter:

https://drive.google.com/file/d/1PqWxqKf6KakIIRGha8-D0PhWM7_mXJol/view?usp=sharing

Abstract of the talk:

Raman effect, which was awarded for the first time and up to now the only Nobel prize in Physics in India, was announced to the press by Sir C V Raman on the day of 28 February, 1928. This very important and fundamental discovery was found to have its applications not only in Physics, but also in Chemistry, Biology, Materials Science, etc. The basic principle of the phenomenon considering the structure and symmetry of the molecules will be discussed before the students on the day of presentation.

A summary of the events in chronological order as they happened on the day of the seminar:

- 1. Welcome address by Dr. Shilpi Show Mandal.
- 2. Felicitation of resource person Dr. Rajarshi Ghosh by our principal sir Dr. Amitava Basu.
- 3. Inaugural speech by principal sir Dr. Amitava Basu.
- 4. Resource person introduction by Dr. Shilpi Show Mandal.
- 5. Speech by Dr. Rajarshi Ghosh.
- 6. Speech by Dr. Abhik Ghosh.
- 7. Quiz competition conducted by Dr. Shilpi Show Mandal & Dr. Apurba Banerjee.

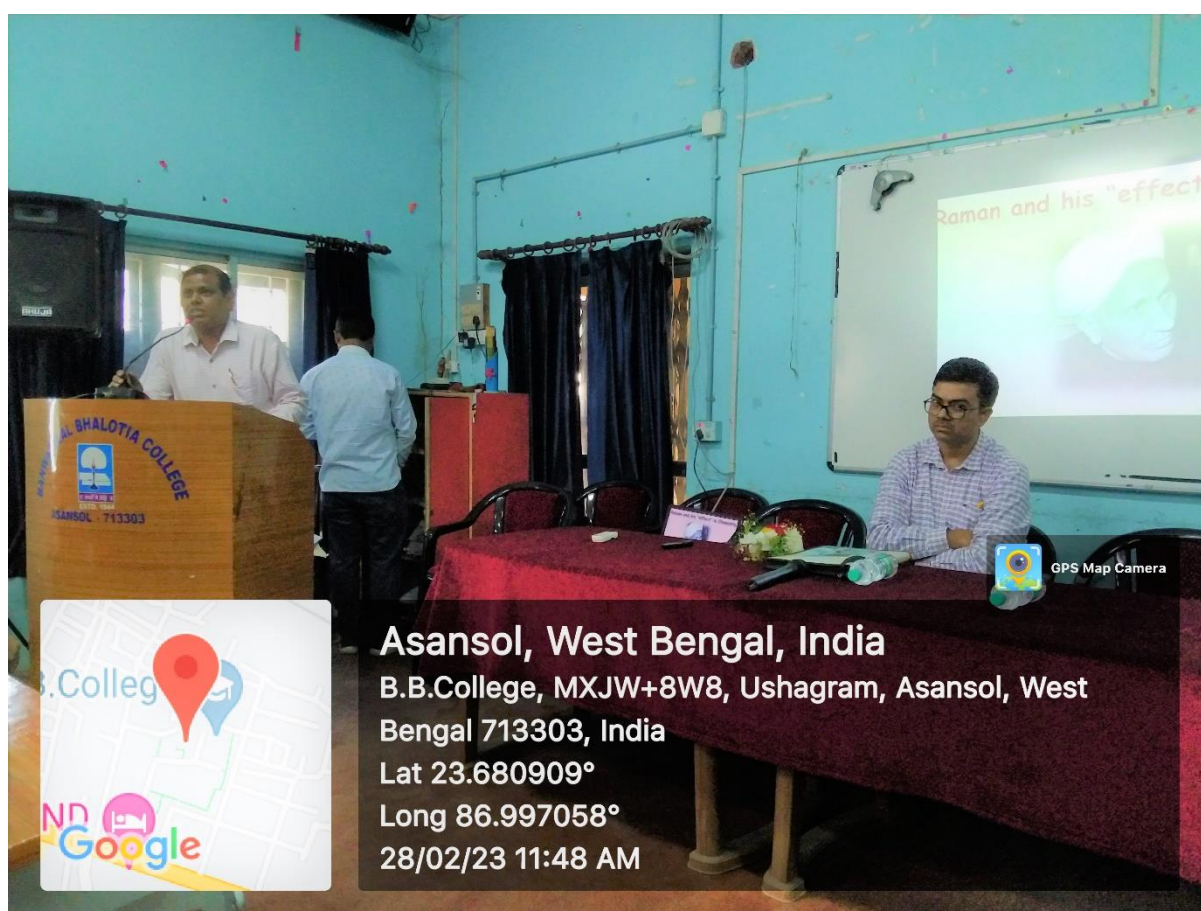
➤ 8. Vote of thanks by Dr. R. K. Roy.

Around **70** participants comprising of academicians, professors, teachers, researchers, students, and independent educationists registered for the seminar.

One page Flyer of the Seminar:

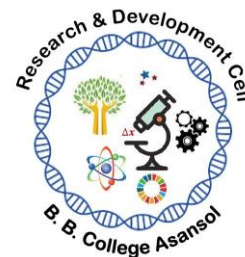
<https://drive.google.com/file/d/1y16gEnM3WBgHaQkqkhUuDm8Yt-ze-g0b/view?usp=sharing>

Here are a few photos of the seminar:





Link to other photos of the seminar:
https://drive.google.com/drive/folders/1YYuPanZl_hb79_mZF66TdikgEVy-Nxly?usp=sharing



Research and Development Cell

(Under the aegis of IQAC and in line with UGC Guidelines 2022)

BANWARILAL BHALOTIA COLLEGE ASANSOL-713303

Brief Report on National Webinar on Research Methodology and Intellectual Property Rights

Held on: 17th July 2022

The Research and Development Cell in association with Internal Quality Assurance Cell Banwarilal Bhalotia College Asansol-713303 organized a National Webinar on “Research Methodology and Intellectual Property Rights” on July 17, 2022 from 10AM. This was termed as B. B. College R&D Cell Lecture Series-1.

There were two resource persons:

1. Prof. Abhijit Mitra

Director, Research, Techno India University, West Bengal (Hony.). Former Associate Professor and Head, Department of Marine Science, University of Calcutta. He is an eminent scientist in the areas of Oceanography, Environmental Science, and Biodiversity with over **667** publications and **17,665** citations. He deliberated on the topic “Research Methodology and its Applications” from 10:15 AM.

Letter of invitation and his acceptance for the same (link):

https://drive.google.com/file/d/1Af5XMIh6gJdaaLoFq75S-EPEqtxsn8b5/view?usp=share_link

2. Dr. Prem Nath

Associate Professor at Computer Science and Engineering Department, H N B Garhwal University (A Central University), Uttarakhand. Former Examiner of Patents & Designs and Assistant Controller of Patents & Designs (Gazetted Group A Officer), at the Patent Office, Kolkata. He deliberated on the topic “Awareness on Intellectual Property Rights (IPRs) and Patenting System in India” from 11:20 AM.

Letter of invitation and his acceptance for the same (link):

https://drive.google.com/file/d/15t8ljKdw-zkYjVbEMPYypBvZaE7clrNZ/view?usp=share_link

A brochure for this webinar along with an embedded Google form for registration was prepared and circulated on various social media platforms for wide dissemination and registration.

Following is the link to the Brochure:

<https://drive.google.com/file/d/1YiVSCzuaT4fJBKkYV2WOsmGbKJY-vMHs/view?usp=sharing>

Around **169** participants comprising of academicians, professors, teachers, researchers, students, and independent educationists registered for the webinar.

Following is the link to the Registered Participants:

https://docs.google.com/spreadsheets/d/1dvOROlucsetSMb0p5EzF3_FU4F1RszfNI-QeBkOAmOw/edit?usp=sharing

Google Meet link was sent to all the registered participants through email along with the Program Schedule.

Following is the link to the Program Schedule:

https://drive.google.com/file/d/1p2OLgxeqxAj_Xns0pMItyWpcfjHN7g6S/view?usp=sharing

- **A summary of the events in chronological order as they happened on the day of the webinar:** There were two technical sessions in this Webinar followed by an interactive session after each session where participants were comfortable raising their queries to the resource persons directly. The webinar opened with the inaugural session with a welcome note from the anchor and convenor followed by an introduction to the first resource person by the moderator. The first session was concluded with an open discussion with the resource person. After that, the second resource person was introduced. The second session concluded with an open discussion with the resource person. Thereafter, the anchor called upon the convenor to present the vote of thanks. After the vote of thanks, a feedback link was shared with the participants to submit feedback.

Around **85** people attended the webinar. **Following is the Google Meet attendance report:**

<https://drive.google.com/file/d/1bwvo1aqu5U5SjnKkQGS990AuI7lrVDw-/view?usp=sharing>

The webinar was conducted successfully with the active and unconditional efforts of all the committee members (as provided in the brochure). Almost all the participants submitted feedback successfully. According to Feedback Analysis, major participants opined that the webinar had been excellent. Certificates were provided to the participants who attended all the sessions of the webinar and submitted the feedback form successfully.

The recording of the webinar was shared on YouTube and was provided to all the participants.

❖ **Following is the YouTube link to the webinar:**

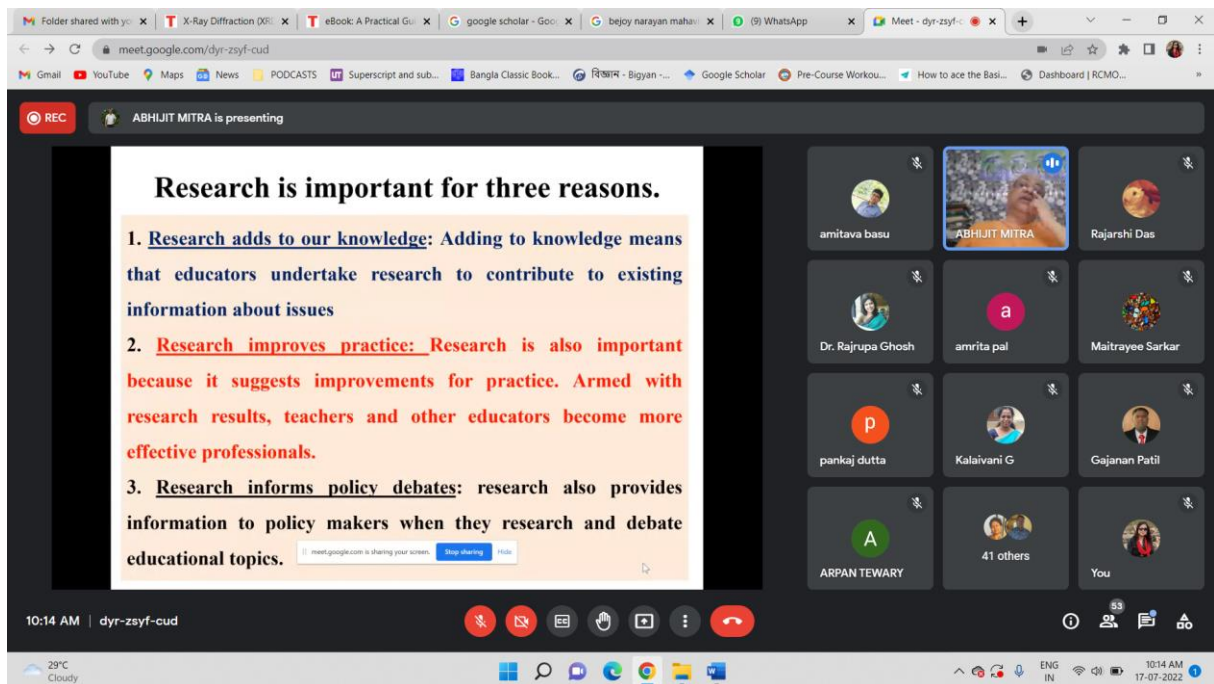
<https://www.youtube.com/watch?v=8LAWYyFiKso>

❖ **Following are the links to the screenshots of the webinar:**

<https://docs.google.com/document/d/1hpCUW-0xQN9jCM13X00KZe5HvgvYms3M/edit?usp=sharing&oid=100488396978248609700&rtpof=true&sd=true>

<https://docs.google.com/document/d/1UW0sAQA2rRbqniu1LEB4tgsCvIILATxn/edit?usp=sharing&oid=100488396978248609700&rtpof=true&sd=true>

Some screenshots:



Folder shared with you | X-Ray Diffraction (XRD) | eBook: A Practical Guide | google scholar - Google | bejoy narayan mahapatra | WhatsApp | Meet - dyr-zsyf-cud

meet.google.com/dyr-zsyf-cud

REC ABHIJIT MITRA is presenting

STEPS IN SCIENTIFIC RESEARCH

1. Observations and formation of the topic
2. Hypothesis:
3. Conceptual definition:
4. Operational definition:
5. Gathering of data:
6. Analysis of data:
7. Data Interpretation:
8. Test, revising of hypothesis.
9. Conclusion, reiteration if necessary.

SAGEN HANSDA has left the meeting

meet.google.com is sharing your screen. Stop sharing Hide

10:18 AM | dyr-zsyf-cud

29°C Cloudy

Meet - dyr-zsyf-cud

meet.google.com/dyr-zsyf-cud

REC prem nath is presenting

Intellectual Property Rights (IPRs)

Patent: An invention on remote control mechanism can be protected by Patent

Trade Mark: "SONY" can be protected by Trademark

Design: An aesthetic view of TV set can be protected by Design

Copyright: TV instruction manual can be protected by Copyright

Activities

- Breakout rooms: Split into smaller group discussions
- Polls: Get a quick pulse of the audience
- Q&A: Give everyone an easy way to ask questions
- Whiteboarding: Collaboratively brainstorm and sketch ideas
- Robot game: Play while you wait

ADD-ONS

Third-party tools offered by Meet.

- Miro: Whiteboard with tools and templates

11:08 AM | dyr-zsyf-cud

30°C Cloudy

Meet - dyr-zsyf-cud

meet.google.com/dyr-zsyf-cud

REC prem nath is presenting

INTELLECTUAL PROPERTY

INDUSTRIAL PROPERTY COPYRIGHT

PATENTS DESIGNS TRADE MARKS

Geographical Indications
Layout Design of Integrated Circuits
Trade secrets

Activities

- Breakout rooms
Split into smaller group discussions
- Polls
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Play while you wait

ADD-ONS
Third-party tools offered by Meet.

- Miro
Whiteboard with tools and templates

11:12 AM | dyr-zsyf-cud

30°C Cloudy

11:12 AM 17-07-2022