

**Hiralal Mazumdar Memorial College for Women  
Dakshineswar, Kolkata- 35**

**A Comprehensive Report on  
INCUBATION CENTRE**



**(2023)**

**Incubation Centre  
Hiralal Mazumdar Memorial College for Women  
Dakshineswar, Kolkata-35**

## Introduction:

Hiralal Mazumdar Memorial College for Women has established Incubation Centre under Institutional Innovative Council by RDC of HMMCW to promote innovative and creative ideas and Entrepreneurship among students.

Incubation Centre started its course by performing through three units. The units are Handmade Jewelry-Making, Arts & Crafts, Painting and Modern Arts. Each unit is a certificate course offered to students.

Incubation Centre of HMMCW entered into an agreement on 13/04/2022 with P. N. Das College, Sree Chaitanya Mahavidyalaya and New Alipore College and with a collaborative MOU signed on 7/06/2022 to work in mutual interest of with the idea of collaboration in the exploration and development of entrepreneurship in emerging areas.

The following **objectives** are taken:

- To facilitate students and faculties to participate in start-up courses aimed at promoting of innovative ideas.
- To provide adequate support and facilities for the transformation of innovative ideas into realistic application in the society.
- To provide necessary infrastructure for the development of skills required for entrepreneurship.
- To strive for the provision of industry interaction and access to support incubators with skills for commercialization of their products.

### Functioning units of incubation Centre: From initiation to Running-

**Unit 1: Name of the project: Jewellery Making**

Date of Initiation: 28.06.2022

No. of student enrolled: 25

Topics covered: G.S jewellery Fabric jewellery, Clay jewellery, etc

**Unit 2: Name of the project: Painting and Morden Art**

Date of initiation: 28.06.2022

No. of student enrolled: 11

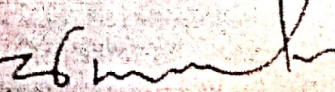
Topics covered: Jamini Roy Painting, Posca Art, Mordern Art, Abstract Painting, Silhouette Painting, Gond Art etc.

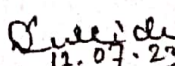
**Unit 3: Name of the project: Arts & Crafts**

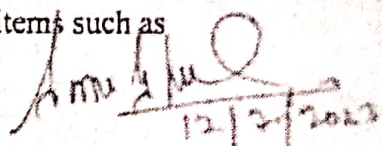
Date of initiation: 28.06.2022

No. of student enrolled: 6

Topics covered: Glass Painting and Sustainable biodegradable home decore items such as showpiece, key holder, jars and bowls.

  
President  
Governing Body  
Hiralal Mazumdar Memorial College for Women  
Dakshineswar, Kolkata - 700 035

  
11.07.23  
BURSAR  
HIRALAL MAZUMDAR MEMORIAL COLLEGE  
FOR WOMEN  
Dakshineswar, Kolkata - 700 035

  
12/7/2023  
Principal & Secretary  
Hiralal Mazumdar Memorial College  
For Women  
Dakshineswar, Kolkata - 700 035



## **Outcome:**

Incubation Centre organizes initiatives, talk and seminar and display present and demonstrate the items and products by all of the three units at-

1. Incubation Centre initiatives and Opening Lecture by Dr. Soma Ghosh, Principal and Secretary, Hiralal Mazumdar Memorial College for Women on 3/03/2022 before the students of both the schools and colleges
2. Talk and Display at Women's' Day Celebration at College premises on 9/04/2022
3. **Exhibition at Outside of the College: New Alipore College on 28/06/2022, Exhibition cum sale at PN Das College on 09/03/2023, Demonstration and display at PCM College on 20/03/2023, International Millet Mela on 17/02/2023**
4. **Within College premises: Intimation seminar: Exhibition cum sale at National Science day Program from 27/02/2023- 01/03/2023 and In Women's day Celebration: 14/03/2023**
5. Incubation Centre of our college also arranged **two Lectures at Seminar Session in National Science day Program at HMMCW**. There are: **Dr Pranam Dhar**, Professor and Head, WBSU-Department of Commerce and Management on guidance on skill and marketing analysis, and **Dr. Tanmoy Rudra**, Ex. Secretary, Confederation of Indian Universities, on research possibilities and entrepreneurship.

## **Future-Plan:**

- To establish a better networking to seek support for better development.
- To encourage innovations and experiential learning with possible interactions through marketing and promotion.
- Establishment of Aquaculture, Pisciculture, Ornamental Fish-Farming units.
- To advance in establishment of future Self-help group.

**Conclusion:** Incubation Centre of Hiralal Mazumdar Memorial College for Women aims to bring the creativity of innovations and empowerment among the students. It is entitled not only to motivate the pupils as well as teachers to initiate, to nurture, to research, to manifest the new ideas and their practical approach; but also encourage to develop a new areas to come forward.

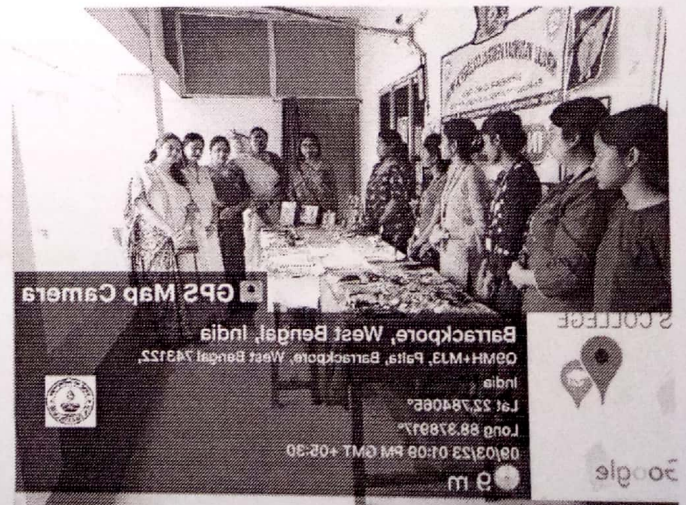




1. Incubation Centre initiative lecture before the students both of school and college by our Honourable Principal Dr. Soma Ghosh at 03/03/2022 at National Science Day Program-2022



2. Incubation Centre Stall at International millets mela 2023



3. Exhibition cum sale at PN Das College with collaborative initiative by both of the institution.



**4.1 National Science Day Program- A Three-Day Celebration, 2023: All of the three units participated in exhibition cum sale at college premises.**

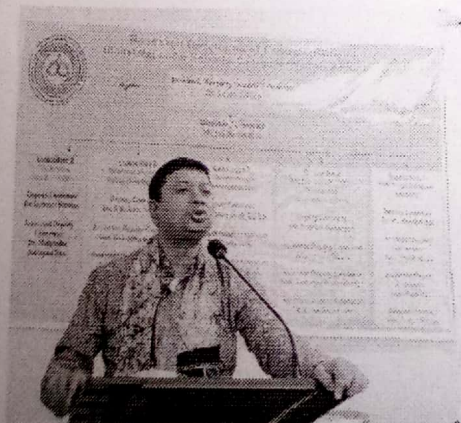
**Incubation Centre Exhibition cum Sale for Unit of Jewellery-Making**



**Incubation Centre Exhibition cum Sale for Unit of Painting and Modern Art, Unit of Arts and Crafts**



**4.2 Incubation Centre of our college also arranged two Lectures at Seminar Session in National Science Day Program- 2023 at HMMCW. One is by Dr Pranam Dhar, Professor and Head, WBSU-Department of Commerce and Management on guidance on skill and marketing analysis, and other is by Dr. Tanmoy Rudra, Ex. Secretary, Confederation of Indian Universities, on research possibilities and entrepreneurship.**



**Lecture by Dr. Tanmoy Rudra on 28/02/2023**



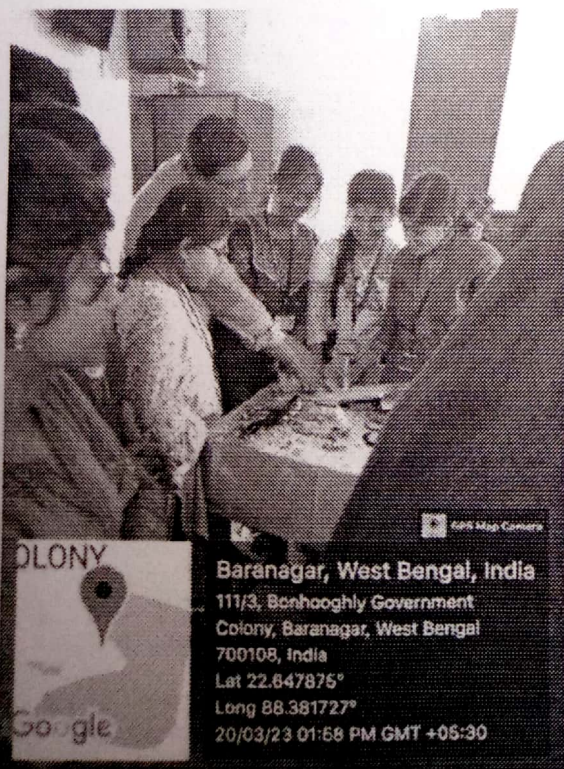
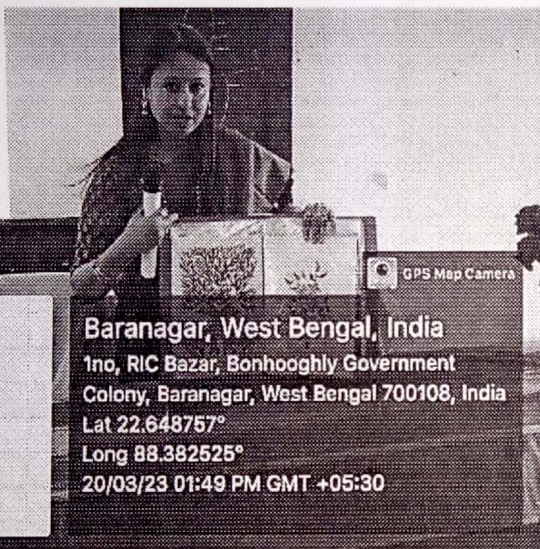


Lecture by Dr. Pranam Dhar on 01/03/2023

5. Demonstration and Exhibition by 3

Incubation Centre at PCM College- A joint Workshop by both of the colleges.

Units o





**6. Womens' Day Celebration- 2023: Felicitation of our Honourable Guest and GB Member by members of Incubation Centre, HMMCW**







# **HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR WOMEN**

## **A REPORT OF RESEARCH SUB-COMMITTEE RESEARCH AND DEVELOPMENT CELL FROM 2017-18 TO 2021-22**

### **PREFACE**

Research is an integral part of society to transform, educate, and for better survival. As a learning environment, our college has always placed a strong emphasis on research. On August 10, 1959, Hiralal Mazumdar Memorial College for Women was founded with only six arts subjects being offered.

Although there was no formal Research Committee, teachers frequently worked on research projects. However, faculties applied and worked on some minor research projects under UGC. A formal decision has been made to establish a Research Sub-Committee in 2015 under the leadership of Principal Soma Ghosh vide resolution number 14 dated 05.08.2015,

H M M College for Women has always demonstrated its preference for research and innovation as a higher education institution. Dr. Lipika Mullick was selected unanimously as the first convenor of the research sub-committee.

Several faculties who applied and got Minor Research Project UGC, are as included Dr. Sabita Samanta, Dr. Nabendu Bhattacharya, Dr. Lipika Mullick, Dr. Debashree Ghosh, Dr. Rupa Sen, and Principal Dr. Soma Ghosh.

It was Md. Iqbal Sultan of the Department of Geography who received the first SEED MONEY on August 8th, 2015 to work on project, titles as "Religion Tourism and its Impact on Local Economy and Environment- A Case Study on Dakshineswar and Adyapith, West Bengal, India." The college has started a new trend by giving SEED MONEY to initiate the research.

The research subcommittee encourages academic members and students to engage in research activities for the benefit of both society and themselves. To make this happen, our college established a number of initiatives, projects, efforts, and events. The college established a sub-committee called the Research Sub-committee, which is responsible for the institute's research and consistent development. The sub-committee also supports any initiatives and accomplishments connected to research and development, and it works to inspire both faculty and students.



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1. INSTITUTION'S INNOVATION CELL (IIC)

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3. INTELLECTUAL PROPERTY RIGHTS CELL

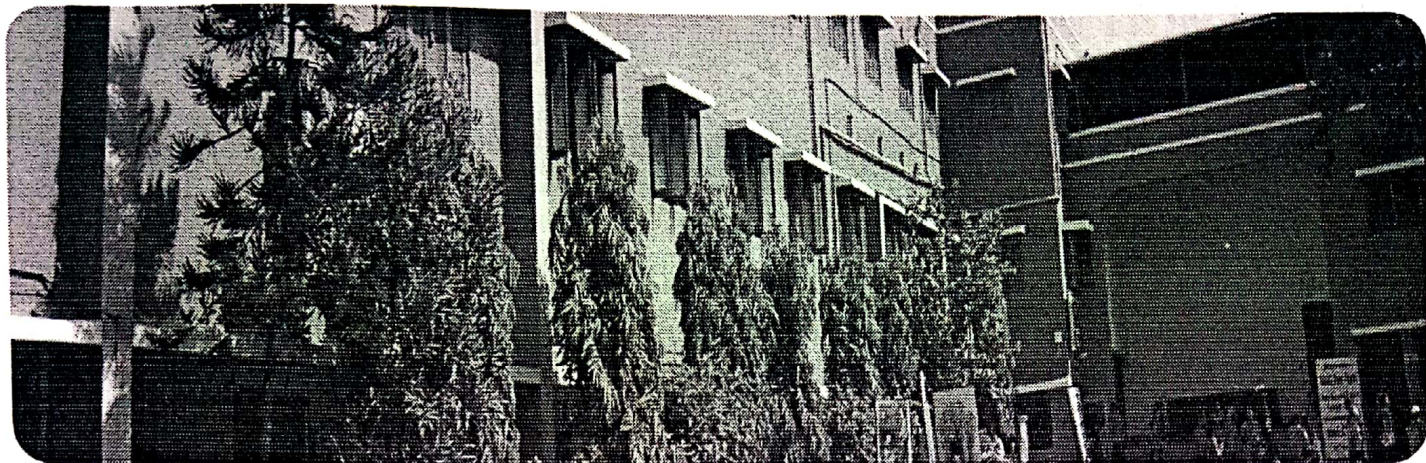
4. VERMICOMPOST

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D. RECENT KEY EVENTS OR PROGRAMMES

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## A. INTRODUCTION

Our college has always placed a strong emphasis on "learning by doing" which is skill-based. Our numerous important committees and cells have been doing their tasks in the development of students. It is our obligation to act on this problem as an academic institution. The Research and Development Cell, formerly the Research Sub-Committee of HMMCW, promotes a fundamental interest in research and development through learning and motivation by planning a variety of seminars, workshops, events, and activities for both faculty members and students.

Our college would offer a supportive setting for fruitful research, industrial and institutional cooperation, and the mobilisation of funding. The Institute offers SEED MONEY to enable individuals to use basic, shared research facilities to carry out collaborative work.

This committee manages the effective and efficient coordination of the Institute's research and development operations, promoting overall growth. The Committee's task would be to locate researchers and notify them of the proper research opportunities made public by various government agencies. The aforementioned committee supports scholars in publishing, organising seminars, webinars, conferences, and symposiums, as well as inventing and filing for patents.



## A. SESSION-WISE BRIEF SUMMARY WITH ACTION TAKEN

### 1. RESEARCH-SUBCOMMITTEE

Our college's research subcommittee was founded on September 22, 2015, to foster the joy of studying and self-learning through conducting research. The subcommittee supports and congratulates aspiring academics, researchers, and students. Our college's research subcommittee often arranges seminars, workshops, and other activities so that faculty members and students can learn new things and advance their knowledge.

The College promotes group-based student-faculty or faculty-faculty projects, and the Research Sub-Committee directs students and faculties in a variety of research and field-related or hands-on activities. The subcommittee oversaw infrastructure investments in better laboratories or a centre for skill development. The Central Instrumentation Centre at our campus houses numerous devices for a variety of experiments. It also helps that our college. Through skill-improvement courses, the subcommittee also encourages students to participate in real-world learning experiences. To promote and improve students' abilities and employability, our college has introduced a range of certificates and add-on courses.

#### Members of the Research & Development Cell

Sl. No.	Designation	Name
1.	Principal & Secretary	Dr. Soma Ghosh
2.	Convener, President IIC	Dr. Lipika Mullick
3.	Joint Convener	Dr. Madhushri Das
4.	Joint Convener	Dr. S Rehan Ahmad
5.	IQAC Coordinator	Dr. Sonali Mukherjee Bandyopadhyay
6.	Teacher Member	Dr. Amrita Banerjee
7.	Teacher Member	Dr. Keya Chattopadhyay
8.	Librarian	Smt. Koyel Sengupta
9.	Teacher Member	Dr. Indrajit Biswas
10.	Teacher Member	Smt. Mun Mun Nandy
11.	Teacher Member	Dr. Mohua Seth
12.	Teacher Member	Dr. Anindya Sundar Bhunia
13.	Teacher Member	Smt. Debi Bhattachatya
14.	Teacher Member	Smt. Rituparna Maity
15.	Teacher Member	Smt. Puja Das
16.	Non-Teaching Member	Sm. Shilpa Das
17.	Non-Teaching Member	Shri Amit Kumar Mondal
18.	Non-Teaching Member	Smt. Priyanka Das



## Members of the Research & Incubation Centre

<u>Sl. No.</u>	<u>Designation</u>	<u>Name</u>
1.	Principal & Secretary	Dr. Soma Ghosh
2.	Convener	Dr. Lipika Mullick
3.	Joint Convener	Dr. S Rehan Ahmad
4.	IQAC Coordinator	Dr. Debarati Chakraborty
5.	Teacher Member	Smt. Aatreyi Bhattacharya
6.	Teacher Member	Smt. Munmum Kundu
7.	Teacher Member	Smt. Piyali Mitra
8.	Teacher Member	Mr. Pritam Dhara
9.	Teacher Member	Smt. Debi Bhattacharya
10.	Teacher Member	Smt. Rituparna Maity
11.	Teacher Member	Smt. Puja Das
12.	Non-Teaching Member	Sm. Shilpa Das
13.	Non-Teaching Member	Shri Amit Kumar Mondal
14.	Non-Teaching Member	Smt. Priyanka Das

## Member of IPR Cell

<u>Sl. No.</u>	<u>Designation</u>	<u>Name</u>
1.	Principal & Secretary	Dr. Soma Ghosh
2.	IQAC Coordinator	Dr. Sonali Mukherjee
3.	Convener	Dr. S Rehan Ahmad
4.	Joint Convener	Dr. Madhushri Das
5.	Teacher Member	Dr. Sujata Mukhopadhyay

### MEETING SUMMARY OF RESEARCH SUB-COMMITTEE OF 2017-18

- A national seminar on the "Relevance of Dharmashastra" would be organized on 06.09.2017.
- An amount of Rs. 25,000/- allotted for each department, viz., Physics, Zoology & Botany for their project proposal entitled "Design & Development of Solar-powered anti-mosquito devices. If the project is successful, college would be the sole proprietor and the instrument be patented.
- The researchers would acknowledge the college (HMMCW) in their publications.
- Dr. Amrita Banerjee (Guest Lecturer) of Zoology Department submitted a project report on 16.11.2017.
- Smt. Antara Goswami has been permitted to do M. Phil. in Bengali.
- Each honours department would prepare their students for doing research-oriented projects and for this project, departments will be allowed to take seed money from the college authority. After the completion of the project, a brief report will have to be



submitted within the stipulated time period and the utilisation certificate be submitted by the teacher of the department.

- A national seminar was held in our college on 29.01.2018 on CBCS and CAS and the matter is referred to the Governing Body for different financial and managerial aspects.
- Felicitation will be given to four teachers for obtaining their Ph.D. degree. The matter is forwarded to Governing Body.
  - i. Dr. Tamal Mondal
  - ii. Dr. Amrita Chaudhuri
  - iii. Dr. Madhushri Das
  - iv. Dr. Rajasree Chakraborty
- The proposal of the Research Project on Anti-mosquito devices sanctioned for the seed money of subject to the permission of Governing Body.
- All teachers must try to write a research paper.
- Smt. Parna Mondal has done M. Phil. Degree on 22.08.2017.
- Smt. Tanaya Afroz has done M. Phil. Degree on 22. 08. 2017.
- The two job-oriented courses Communicative English & Computer Literacy be run by the college in collaboration with Sri Sarada Math Rasik Bhita and this matter is forwarded to Governing Body.
- An online tutorial Training Programme on Basic Computer Skills & Office Automation (Learn Free & Open-Source Software through Spoken Tutorial at very low cost) run by IIT Bombay will be arranged for the greater interest of our students, members of the committee encouraged it and is being forwarded to Governing Body for its financial implications.
- All teachers are requested to take the necessary steps to teach according to CBCS syllabus which will be introduced in the coming 2018-19 academic session. Students' projects and research inclinations be encouraged.
- Teachers are requested to collect the syllabus of 2018-19 for effective delivery of the curriculum. Academic Resource Bank be enriched with study materials and research-based write-ups for the academic enrichment of the students.
- Dr. Pritha Kundu be felicitated for obtaining a Ph.D. degree on 09.02.2018.

PLAN OF ACTION	DATE OF EVENTS	ACTION TAKEN
Seminar/ workshops	06/09/2017	National Seminar "Relevance of Dharmasastra" By the Department of Sanskrit
	29/01/2018	National-level seminar on CBCS and CAS
Research Projects	16/11/2017	Dr. Amrita Banerjee, Guest Lecturer of Department of Zoology
	ONGOING	Device Design- Anti Mosquito Device



Ph. D. Awardee	09/02/2018	Dr. Tamal Mondal
		Dr. Amrita Chaudhuri
		Dr. Dr. Madhushri Das
		Dr. Rajasree Chakraborty
M. Phil Awardee	22/08/2017	Dr. Pritha Kundu
		Smt. Parna Mondal
Job-oriented Course	Framed	In collaboration with Sri Sarada Math Rasik Bhita for Communicative English & Computer Literacy

### MEETING SUMMARY OF RESEARCH SUB-COMMITTEE OF 2018-19

- Teachers are requested to go through the rules and regulations of the CBCS system and act accordingly. CBCS system introduces avenues for research. Members of the Research Sub Committee unanimously resolve to take necessary steps for the promotion of research culture and publications. The matter may be referred to the Governing Body for discussion regarding the allocation of research seed money in the budget.
- Teachers are requested to apply for the Research-Project, and clearly write the ABSTRACT of the project and the approximate cost.
- An International Seminar in collaboration with the Dept. of Political Science of HMMCW & BIPS is organized in the college. The matter is forwarded to IQAC and the Principal.
- Research Sub-Committee resolves to focus more on publications to be funded by the college.
- Skill Development Courses be given more weightage in tune with CBCS guidelines.
- The cluster of colleges may help sharing of knowledge and promotion of research activities. The matter is forwarded to Governing Body.
- Collaborative activities among the academic institutions may enrich the academic & research culture of the college.
- Faculty exchange programmes be encouraged.
- The leave one year of Smt. Bhaswati Ghosh for her doctoral work is forwarded to GB for clarification.
- Teachers who have not done their Ph.D. degree, are requested to do so and encouraged to do research work. College is always ready to help them in this regard.



- Dr. Animesh Mondal, Guest Lecturer of the Chemistry Department obtained his Ph.D. degree on 17.08.2018. He will be felicitated by the college authority.
- An International Seminar was organized by the Department of Political Science in collaboration with BIPS on 08.09.2018.
- A National Seminar was organized by the Department of Political Science on use of Scientific and Technical Terminology in Political Science on 05.09.2018.
- A seminar was organized on Ethical issues in Academic Research by IARA in collaboration with the Department of Political Science in our college.
- The matter related to the collaboration with GST academy for Certificate course may be initiated subject to the permission from Governing Body.
- The matter of installation of Green House, Waste Management, Mushroom culture, and maintenance of Medicinal Plants may be done subject to the permission of Governing Body.
- The matter of a cluster of neighboring colleges is a unique concept, it can be practiced with 3 or 4 colleges. Teachers and students both will be benefitted.
- Smt. Tanushree Chakraborty and Smt. Aatreya Bhattacharyya be felicitated for passing the SET organized by College Service Commission on 01.03.2019.

PLAN OF ACTION	DATE OF EVENTS	ACTION TAKEN
Seminar/ Workshop	08/09/2018	International Seminar by the Department of Political Science in collaboration with BIPS
	05/09/2018	National Seminar by the Department of Political Science on 'Use of Scientific and Technical Terminology
	05/05/2019	Faculty Development Program on Ethical Issues in Academic Research by IARA in collaboration with the Department of Political Science
Ph.D Awardee	17/08/2018	Dr. Animesh Mondal
New Development for research and learning	Planned	Green House, Waste management, Medicinal plants, and Mushroom Culture
Cluster College	Proposed	A cluster of neighboring Colleges for better learning and innovation
MOU	08/05/2019	MOU with HULLADEK for e-Waste Management





International Seminar by the Department of Political Science in collaboration with BIPS

### MEETING SUMMARY OF RESEARCH SUB-COMMITTEE OF 2019-20

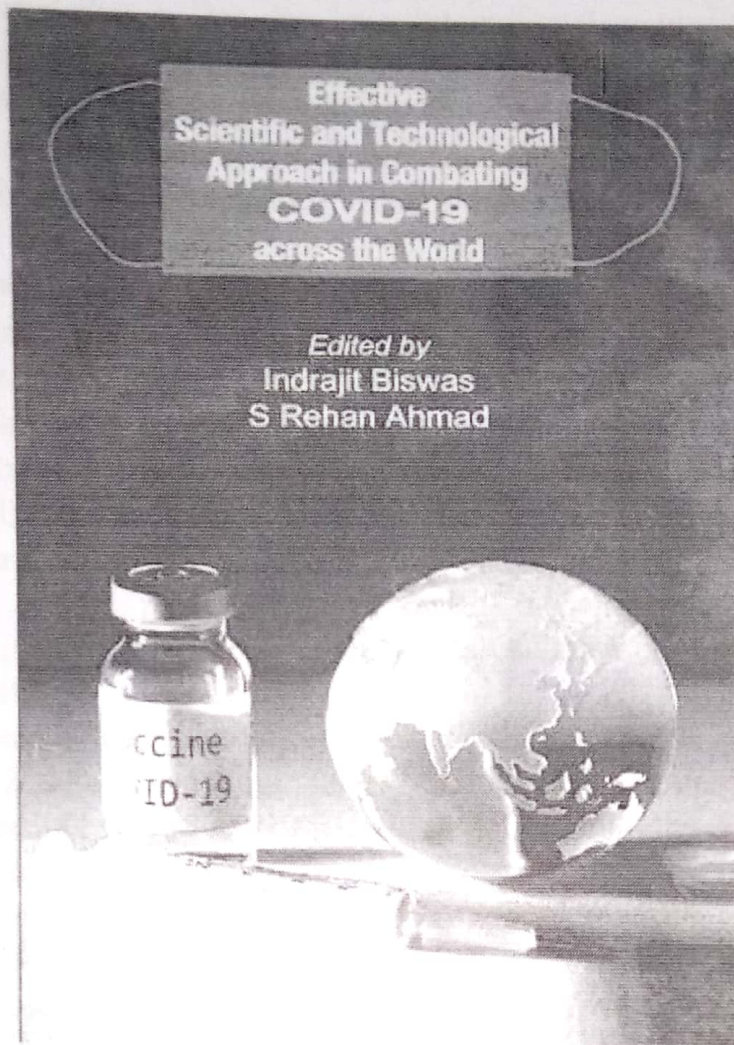
- Self Defence (optional) course was implemented for our students for women's empowerment.
- Discussed a job-oriented training programme for students.
- Discussed to introduce Master's Degree Course in Remote Sensing in collaboration with ISRO and same forwarded to IQAC.
- A National Seminar on Sexual Harassment against Women in Workplace was organized by the college on 09.07.2019.
- Planned for a seminar on "Stop the Drop" organized by HMMCW with P.C. Chandra Group on 22.08.2019.
- Dr. Arpita Mukherjee, CWTT, Department of Psychology, is felicitated for obtaining a Ph.D. degree in Psychology.
- Dr. S Rehan Ahmad, Assistant Professor, Department of Zoology, be added to the Research Sub-Committee of our college.
- A career fair was organized by Career Counselling and Placement Cell on 20.11.2019.
- Planned for arranging classes for SLOW LEARNERS & ADVANCED LEARNERS.
- Resolved that an approach for MOU between HMMCW & JIS college was notified, but the matter is referred to Governing Body, as the MoU involves financial liability.



- Planned for a webinar of ICSSR and it is forwarded to Governing Body.
- Job-oriented Course was taught by Rasik Bhita/ Webel.
- The NLIST membership would be renewed for the betterment of the learning of the students.
- Online Book Issuing System be initiated at an early date for the students and teachers as well.
- Follow up on the ICSSR webinar and applied for the fund to do the webinar.
- The matter of refund of ICSSR grant for the seminar, as the Pandemic paralyses the world, the seminar could not be held, was forwarded to the Governing Body.
- To organize a webinar on TRANSCENDING PATRIARCHAL BOUNDARIES: CHALLENGES IN THE 21ST CENTURY... in collaboration with West Bengal State University, Hiralal Mazumdar Memorial College for Women & Government Girls' General Degree College, Ekbalpore in the first week of September 2020 (tentative).
- Teachers can take small tests of the students for the preparation of Examination.
- Teachers can prepare e-module for the student's betterment.

PLAN OF ACTION	DATE OF EVENTS	ACTION TAKEN
Seminar/ Workshop	09/07/2019	National Seminar on Sexual Harassment against Women at Workplace by ICC and Nari Samsad
	22/08/2019	"Stop the Drop" organized by HMMCW with P.C. Chandra Group
	25/06/2020- 27/06/2020	Three-Day long International Webinar By Dept. of Zoology on "Effective scientific and technological approach in combating CIVID-19 across the world"
Job-Oriented course	ONGOING	Rashik Bhita and Webel
	20/11/2019	Career-Fair
Ph.D. Awardee		Dr. Arpita Mukherjee





Selected papers published with an ISBN namely on effective Scientific and Technological Approach in Combating COVID-19 across the World

### **MEETING SUMMARY OF RESEARCH SUB-COMMITTEE OF 2020-21**

- Skill Enhancement Course be introduced for the students in our college.
- It is reported that a three-day long National e-conference organized financially supported by ICSSR from 12th-14th September 2020 on "Childhood and Intersectionality in Indian Context" organized by Sociology and English.
- Reported that a webinar regarding "Transcending patriarchal boundaries: Challenges in the 21<sup>st</sup> century" on 12.09.2020 through Google-Meet in collaboration with Internal Complaints Committee, WBSU & Govt. Girls' General Degree College.
- Reported that RFID installation would be postponed due to fund.
- Reported that NLIST membership renewal has been done.
- Planned for Online catalogue & Online Book issuing system for managing e-learning process more effectively.



- Reported that a Two-day long International webinar was organized by the Department of Mathematics on “Goniter itibritto, janapriyo chintasutra” on 07.08.2020 & 08.08.2020.
- Online class teaching and online video lecture may be used for regular classes. For Science subjects online video lectures cum demonstrations can be used.
- Skill Enhancement Course for the students is opened.
- Reported that a webinar on Challenges in Research during the Pandemic & a mechanistic insight into the evolutionary trail & the structural facets of spike receptor binding domain of SARS-COV-2 was organized by the Department of Chemistry on 06.07.2020.
- Reported that a 3-day National webinar on CHILDHOOD AND INTERSECTIONALITY IN INDIAN CONTEXT sponsored by ICSSR organized by the dept. of Sociology & English in collaboration with ICSSR.
- The project proposals given by the Department of Zoology, English & Geography are approved and Research Sub-Committee suggested to do the needful.
- Research seed money for the Science Departments would be, not exceeding Rs. 25000/- for a single project and for arts and commerce departments, not exceeding Rs. 15000/- for a single project may be sanctioned subject to the Governing Body approval.
- For publication, college would give special attention to encourage teachers for academic pursuit.
- A project proposal “A Quest into the Lives and Livelihood of Floriculturist: A case study on Khirai, East Medinipore, West Bengal” has been submitted by Smt. Anindita Samanta, Smt. Debi Bhattacharya, Smt. Oindrila Mondal, Dr. Amrita Chaudhuri, Smt. Sonali Kar and Smt. Monalisa Maity, SACT, Department of Geography and the project is accepted and the seed money Rs.10000/- has been approved for the work. The time limit is one year.
- A webinar on TRANSCENDING PATRIARCHAL BOUNDARIES: CHALLENGES IN THE 21ST CENTURY... organized by the Internal Complaints Committee of West Bengal State University, Hiralal Mazumdar Memorial College for Women & Government Girls’ General Degree College, Ekbalpore on 12.09.2020 – 14.09.2020 sponsored by ICSSR.
- A National Symposium on Gender Sensitization and Awareness will be organized by Women's Studies, Sociology, Journalism and Mass Communication from 8th-14th March 2021 financed by ICSSR.
- Food & Nutrition Department organized National NUTRITION MONTH (ONLINE) celebration from 07.09.2020. Finally, they concluded on 28.09.2020 (Monday) with the students’ project defending webinar.
- A Faculty Development Programme may be organized in our college.



PLAN OF ACTION	DATE OF EVENTS	ACTION TAKEN
Seminar/Workshops	06/07/2020	'Challenges in Research during the Pandemic & a mechanistic insight into the evolutionary trail & the structural facets of spike receptor binding domain of SARS-COV-2' –a webinar by Dept. of Chemistry
	07/08/2020-08/08/2020	Two-day long International webinar "Goniter itibritto, janapriyo chintasutra" by Dept. of Mathematics
	12/09/20-14/09/2020	ICSSR sponsored e- conference National webinar on CHILDHOOD AND INTERSECTIONALITY IN INDIAN CONTEXT by the dept. of Sociology & English
	12/09/20-14/09/2020	webinar on "TRANSCENDING PATRIARCHAL BOUNDARIES: CHALLENGES IN THE 21ST CENTURY" by the Internal Complaints Committee of West Bengal State University, Hiralal Mazumdar Memorial College for Women & Government Girls' General Degree College, Ekbalpore
	08/03/2021-14/03/2021	A National Symposium on Gender Sensitization and Awareness will be organized by Women's Studies, Sociology, Journalism and Mass Communication With Nari Samsad and ICC
NUTRITION MONTH	28/09/2020	National NUTRITION MONTH (ONLINE) celebration with a webinar
Research Project	ONGOING	"A Quest into the Lives and Livelihood of Floriculturist: A case study on Khirai, East Medinipore, West Bengal" by Dept. of Geography
Skill Enhancement Course		Opened



REC

“গণিতের ইতিবৃত্ত: জনপ্রিয় চিন্তাসূত্র”

Genesis of Mathematics and  
Popularity of the principle of  
Thought Process

BY  
DR. REYAZ AHMAD



(40)



PRADIPTA MUKHERJEE (You)



Reyaz Ahmad



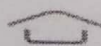
Rehan Ahmad



Reyaz Ahmad



Also in the meeting (36)



Two-day long International webinar “Goniter itibritto, janapriyo chintasutra” by Dept. of Mathematics



## MEETING SUMMARY OF RESEARCH SUB-COMMITTEE OF 2021-22

- The sponsorship of teachers in the programme meant for academic upgradation and Rs. 15000/- and Rs. 25000/- may be allocated for Arts and Science subjects respectively.
- Discussed the matters regarding disbursement and utilization of research seed money and the matter has been forwarded to Governing Body.
- Discussed the matters regarding Minor Research Projects of the teachers of the college and noted that the same have been done by Dr. Soma Ghosh, Dr. Chandrabali Dutta, Dr. Pritha Kundu & Sri Pradipta Mukherjee.
- Discussed on the organisation of an International Webinar on the topic “Need on Skill Development for Successful Career” and the matter is forwarded to the Governing Body.
- The matter of organisation of Webinar on IPR as a collaborative endeavour has been discussed and is forwarded to Governing Body.
- It has been resolved that for research/project, HMMCW will give the seed money of Rs. 10,000/- for Arts Department teachers and Rs. 20,000/- for Science Department teachers (may be along with students).
  - For publication purpose college authority will give Rs. 15,000/- for Arts, Science & Commerce Departments.
  - For Academic upgradation, college authority will give a loan of amount Rs. 25,000/- which will be deducted from the salary.
  - Reported that the applications be invited for disbursement of seed money for Research/Students’ Project for publication by 30.11.2021.
  - Discussed that the matters related to academic upgradation and Rs. 25000/- may be allocated for a department in one Academic year and the matter is forwarded to the Governing Body.
  - College Authority will felicitate Dr. Pradipta Mukherji for obtaining Ph.D. degree in Political Science.
  - Research Sub-Committee be transformed to Research & Development Cell (RDC).
  - The Study Leave of Sri Ritwik Acharya, SACT – II, is sanctioned for Ph.D work.
  - International Seminar organised by the Department of Political Science is reported in which representative of Bangladesh High Commission, Mr. Ranjan Sen and other dignitaries were present.
  - Noted with appreciation that Dr. Sujata Mukhopadhyay has completed a refresher course during the period from 09.11.21 to 22.11.2021.
  - A project proposal submitted by Smt. Oendrilla Dutta and Smt. Triparna Sett, SACT of the Department of Sociology, has been accepted and the seed money is sanctioned. The matter is forwarded to Governing Body.
  - Dr. Mriganka Narayan Das was felicitated by college authority for obtaining his Ph.D. degree.
  - A webinar “Tales to tell: Diseases as Metaphor to Understand Creativity” will be organized by the Department of Chemistry during February.
  - National Science Day will be organized from 28<sup>th</sup> February, 2022.



- Life and Work of Legendary Woman Scientist **Dr. Bibha Chowdhury** will be discussed in a session of National Science Day.
- “Remote Sensing & Geographical Study” to be organized by the Department of Geography.
- The webinar “Biodiversity at the Heart of Sustainable Development” would be organized by the Department of Geography.
- Intellectual Property Right Cell (IPR Cell) & Incubation Centre under the umbrella of Institutional Innovation Cell (IIC) be organized in HMMCW.
- HMMCW will collaborate with three colleges P.N.Das College, New Alipore College & Sree Chaitanya Mahavidyalaya for better learning teaching, research & innovation.
- Reported that HMMCW organized Add-On courses. (Annexure 1)
- Planned to have Value-Added course and Add-on Course in the college (Annexure 2)
  
- Reported that “Two weeks online Faculty Development Programme” on Advanced Research Methodology sponsored by MHRD has been organized by HMMCW and IARA.
- Reported that a book edited by Dr. Sanchari Roy Mukherjee, Dr. Soma Ghosh, Dr. Selim Chisti & Dr. Sonali Mukherjee (Bandyopadhyay) will be published by New Delhi Publisher.
- Research Subcommittee endorses the introduction/completion of following certificate/Add-on/value added courses.(Annexure 3)
- All teachers be encouraged to obtain patents.

#### ANNEXURE 1:

- a. Add On Course on Literature and Performance Studies offered by Department of English.
- b. 2. Add On Course on Film Appreciation Course offered by the department of Journalism & Mass Communication.
- c. 3. Add On Course on Practising Social Research offered by department of Sociology.
- d. 4. Add On Course on Stress Management offered by Department of Psychology.

#### ANNEXURE 2:

- a. Value Added Course on Research Ethics and Implementation of SPSS offered jointly by the Departments of Sociology and Psychology.
- b. Add On Course on Undoing Gender-Bias Using Psycho-Social Lens offered jointly by the Departments of Psychology and Sociology.
- c. Add On Course on Remote Sensing offered by department of Geography
  - Reported that the applications be invited for disbursement of seed money for Research/Students’ Project for publication by 30.11.2021.
  - Discussed that the matters related to academic upgradation and Rs. 25000/- may be allocated for a department in one Academic year and the matter is forwarded to the Governing Body.



- The Study Leave of Sri Ritwik Acharya, SACT – II, is sanctioned for Ph.D work.
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- Reported that a project proposal submitted by Smt. Oendriila Dutta and Smt. Triparna Sett, SACT of the Department of Sociology, has been accepted and the seed money is sanctioned.
- Resolved that Dr. Mriganka Narayan Das be felicitated by College authority for obtaining his Ph.D. degree.

PLAN OF ACTION	DATE OF EVENTS	ACTION TAKEN
Seminar/Workshops	12/09/2022	International Seminar organised by the Department of Political Science is reported in which representative of Bangladesh High Commission, Mr. Ranjan Sen and other dignitaries
	08/12/2021-22/12/2021	“Two weeks online Faculty Development Programme” on Advanced Research Methodology sponsored by MHRD jointly organized by HMMCW and IARA
		webinar “Biodiversity at the Heart of Sustainable Development” organized by the Department of Geography
	28/02/2022	Life and Work of Legendary Woman Scientist Dr. Bibha Chowdhury will be discussed in a session of National Science Day Programme
Ph. D. Awardee		Dr. Pradipta Mukherjee Dr. Mriganka Narayan Das
Establishment of RDC		Research Sub-Committee transformed into Research & Development Cell
IPR Cell and Incubation Centre		Intellectual Property Right Cell (IPR Cell) & Incubation Centre under Institutional Innovation Cell (IIC)
Institutional Innovation Cell (IIC) Incubation Centre		Collaboration with other colleges in Research and Innovation



## RESEARCH FUNDING AND GRANT

The grant approved as ACADEMIC SEED MONEY for research purpose. For Arts Department Rs.15,000/- instead of previous allocation of Rs 10,000/- is given and for Science Department Rs. 25,000/- instead of previous allocation of Rs. 20,000/- is given.

Name of the research project/endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
UGC FELLOWSHIP	Dr. Madhushri Das	Botany	2018	15,000	11 months	UGC	Government
Research Project on Design and Development of Solar-powered Anti-mosquito Devices	Dr. Parthapratim Pradhan- PI Dr. Indrajit Biswas- CO PI	Physics Zoology	2019	100,000	1 year	HMMC W	Non-Government
Seminar Grant	Dr. Chandrabali Dutta	Sociology	2020	1,60,000	7 Days	ICSSR	Government
Research Project on Tagore for the Commoner	Dr. Pritha Kundu, Sraboni Mazumdar Nilanjana Bagchi	English	2021	10,000	6 month	HMMC W	Government
Research Project on A Quest into the Lives and Livelihood of Floriculturist: A Case Study on Khirai, East Medinipur, West Bengal	Anindita Samanta Dr. Amrita Chaudhuri Debi Bhattacharya Monalisa Maity Oindrila Mondal Chattopadhyay Sonali Kor	Geography	2021	10,000	1 year	HMMC W	Government
Mapping Inclusion: Exploring Awareness About Disability Related Education Policies And Their	DR.CHANDRABALI DUTTA - PI DR.SAYANTAN GHOSH - CO PI	Sociology	2022	150,000	1 year	ICSSR	Government



Implementation In Educational Institutions In Kolkata							
Research project on Peoples Response to Science and Technology in Colonial India	Puja Das Aatrayee Bhattacharya	Computer Sc. History	Ongoing	6000		HMMC W	Government
Research Project on Micro Media	Triparna Sett	Sociology	2022	7686		HMMC W	Non-Government
Gyandhar Prkalpo	HMMCW	Library	2017-2018	2,00,000		P.C. Chandra Group	Non-Government
Research Equipments	HMMCW	Botany, ENVS, Chemistry, Geography, Physics, Zoology	2018-2019	15,54,000		RUSA Grants	Government



## 2. RESEARCH AND DEVELOPMENT CELL

'The National Education Policy (NEP) 2020 envisages the promotion of quality research within the Higher Education system. Research and innovation are important aspects to enhance quality education by the Higher Education Institutions (HEIs).'

As UGC guidelines suggests that Higher Education Institutes has to set up plans to Research & Development Cell incorporated into their infrastructure and plan of action to promote mechanisms and build ecosystems for constructive research. It will encourage collaboration across industry, government, and agencies in governmental and non-governmental or local organizations and to facilitate research activities with

Our college established Research and Development Cell on 28<sup>th</sup> June, 2022 as per guidelines issued by UGC on 4<sup>th</sup> March, 2022 to instruct Higher Education Institutes (HEIs) to form RDC in institutes of higher education.

**Composition of Research and Development Cell (RDC) of HMMCW** includes five committees dedicated to- 1. Finance & Infrastructure, 2. Research Program & Policy Development, 3. Collaboration & Communication, 4. Product Development, Monitoring & Communication, 5. IPR, Legal & Ethical Matters. Each committee has deputy convenors and assistant deputy convenor.

The above-mentioned committees of RDC seek guidance and advice of the **Research Advisory Board**, whenever necessary.

### RESEARCH AND DEVELOPMENT CELL, HMMCW





## RESEARCH ADVISORY BOARD of RDC, HMMCW

CHIEF PATRON Shri Madan Mitra President, Governing Body, HMMCW	
INTERNAL MEMBERS	EXTERNAL MEMBERS
Dr. Soma Ghosh	Prof. Sougata Roy
Shri Debakanta Jha	Prof. Dr. Mahua Das
Dr. Lipika Mullick	Prof. Koushiki Dasgupta
Dr. Sonali Mukherjee	Prof. Goutam Das
Dr. Keya Chattopadhaya	Prof. Dr. Chandana Chakraborty
Dr. Partha Pratim Pradhan	Prof. Dr. Pranam Dhar
Dr. Pradipta Mukherjee	Prof. Dr. Narayan Ghorui
Dr. Dilip Panda	Dr. S.M. Alquadri
Dr. Pradip Das	Dr. Dabir Ahmad



### B. FUNCTIONING BODIES OF RESEARCH AND DEVELOPMENT

H M M C W reframes the Research Sub-committee into Research and Development Cell as per notification of UGC, dated 4th March 2022. There are five major sub-committee that will act to cater to the need of **1. Finance and Infrastructure, 2. Research Program and Policy Development, 3. Collaboration and Communication, 4. Product Development, Monitoring, and Communications, 5. IPR Legal and Ethical Matter.** The five bodies and the Centre work together to direct, promote, collaborate, envision, and conduct productive research both inside and outside of the college.



1. Institution's Innovation Cell (IIC)
2. Incubation Centre, HMMCW
3. Intellectual Property Rights Cell

## 1. Institution's Innovation Cell (IIC)

Institutional Innovative Cell renders the idea of start-up environments in an institution and innovative ideas for emerging areas. IIC plays a key role to engage a vast number of faculties and students to develop and rear new ideas and creative techniques towards innovation and entrepreneurship. Concept development, Ideation, Design Thinking, IPR, Innovation and Creation, Incubation stages etc. are the activities that IIC promotes and cultivates.

Our institute started its journey with Institutional Innovative Cell with a certification dated 18<sup>th</sup> November 2022 and follow the norms as per Innovation Cell, Ministry of Education, Govt. of India, during the academic calendar year 2022-23 and Institution's Innovation Cell with registration no. IC202220305



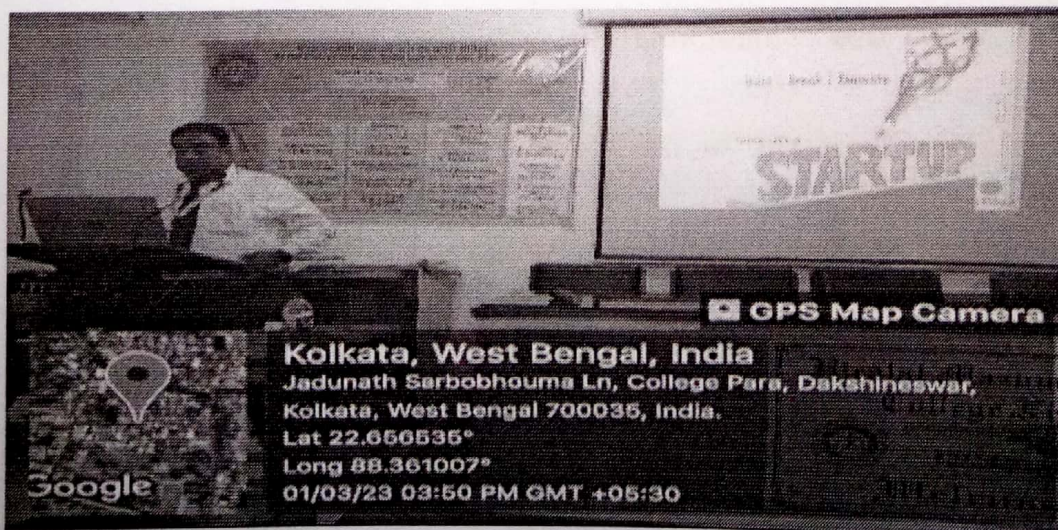
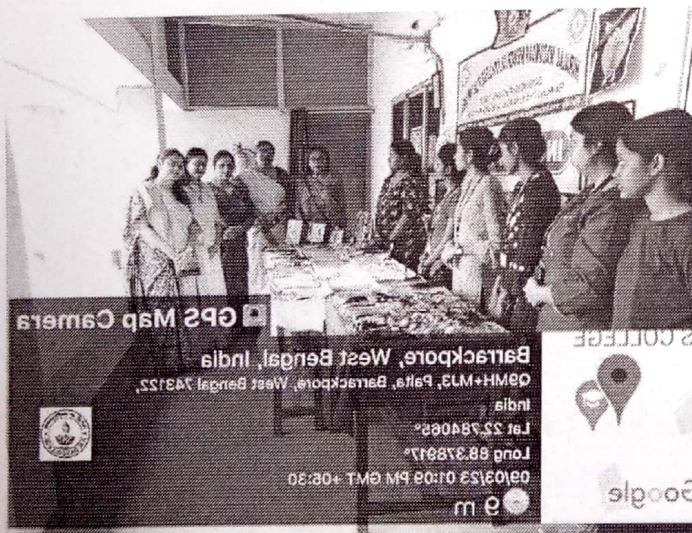


## 2. Incubation Centre, HMMCW

Hiralal Mazumdar Memorial College for Women has established Incubation Centre under Institutional Innovative Cell aegis of RDC of HMMCW to promote innovative and creative ideas and Entrepreneurship among students.

Incubation Centre started its course by performing through three units. The units are **Handmade Jewelry-Making, Arts & Crafts, Painting and Modern Arts, Phenyl and handwash making**. Each unit is a certificate course offered to students. Incubation Centre of HMMCW entered into an agreement on 13/04/2022 with P. N. Das College, Sree Chaitanya Mahavidyalaya and New Alipore College and with a collaborative MOU signed on 7/06/2022 to work in mutual interest of with the idea of collaboration in the exploration and development of entrepreneurship in emerging areas.

Incubation Centre organized inter-college exhibition cum sale and seminar-0lectures on entrepreneurship.





### **3. Intellectual Property Rights Cell**

The term "intellectual property" (IPR) refers to several different categories of mental works, including inventions, literary and artistic productions, as well as symbols, names, images, and designs that are exploited in the marketplace. The Intellectual Property Cell's goals are to increase awareness of intellectual property among researchers, college students, and faculty members by holding workshops and seminars, providing hands-on training sessions to improve skills, and opening up new channels and opportunities for product development and commercialization. Additionally, the researchers are assisted by our college in securing and upholding IPRs among faculty and students. The IP Cell of our college decides to give the researchers and students the proper technical, logical, and financial aid. In collaboration with the Ministry of Commerce and Industry, Government of India, and the Department of Zoology at Hiralal Mazumdar Memorial College for Women, a webinar titled "NIPAM IPR Awareness Webinar" was organised on August 1, 2022 on the Google-Meet platform. Ms. Nikita Kumari, of the Examination of Patent and Design, served as a resource.





Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE OF APPRECIATION

Presented to

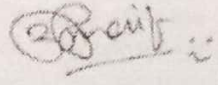
**HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR  
WOMEN KOLKATA**

*In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on **August 01, 2022** in association with **Intellectual Property Office, Delhi** by providing your valuable time and support is highly appreciated.*

*Solicit your continued support for outreach of IPR far and wide.*



Date: August 05, 2022

  
(Prof. (Dr) Unnat P Pandit)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



# Our Invention our Pride



ORIGINAL  
क्रम सं/ Serial No. : 139451



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No. : 385157-001  
तारीख / Date : 27/04/2023  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *IOT BASED MENTAL HEALTH DIAGNOSTIC DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 24-01 में Hiralal Mazumdar Memorial College For Women के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to *IOT BASED MENTAL HEALTH DIAGNOSTIC DEVICE* in the name of Hiralal Mazumdar Memorial College For Women.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 26/06/2023  
Date of Issue :



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

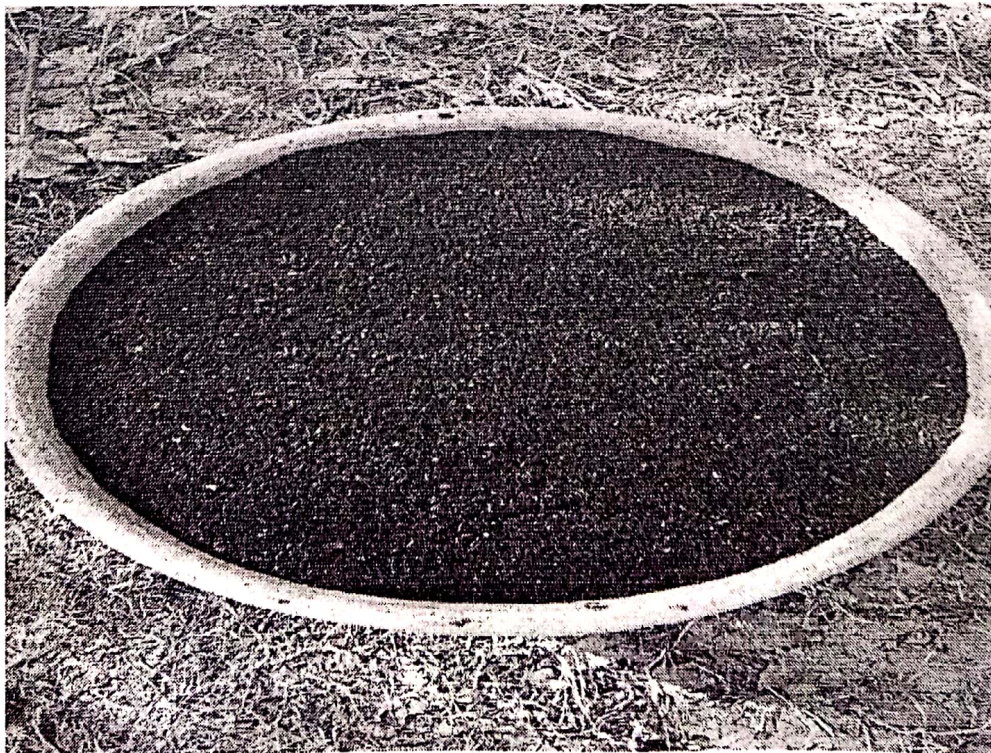
\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वताधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।  
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



# VERMICOMPOST

Vermicomposting is a natural process whereby earthworms convert waste material with rigid structures into compost. The compost produced in this green process is traditionally and popularly used as a natural fertilizer for enhancing plant growth. Earthworms belong to the phylum Annelida, subclass Oligochaeta. The prefix “vermi” comes from the Latin words meaning “worm”. During the vermicomposting process, earthworms play an important role in converting biodegradable organic matter into high quality manure. Earthworm gut microorganisms produce exoenzymes that help to degrade organic matter into forms of nutrients that are necessary for plant growth. The earthworm gut contains microbial fermentation products and has been defined as a mobile anoxic micro zone that is rich in readily degradable organic compounds (Drake and Horn, 2007).

Our college has developed Vermicomposting pit as bio-waste management of our college campus. Uncooked left-over food materials are incorporated into this vermicompost pit for proper management and represent an example in small practice with proper investment can be fruitful. Our college has demonstrated the technique of vermicomposting to slum dwellers and marginal people for easy management of bio-waste.



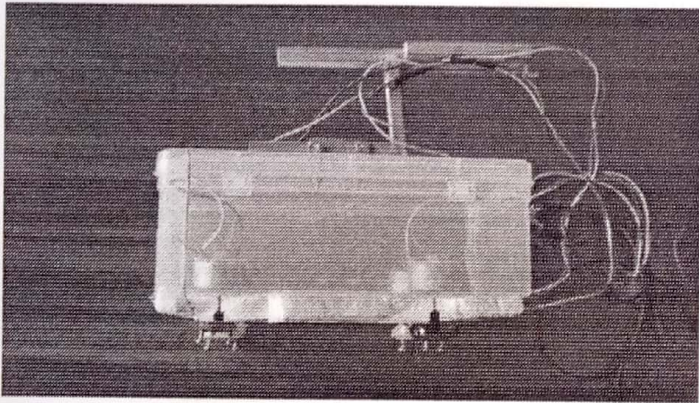
Vermicomposting Pit at our Campus



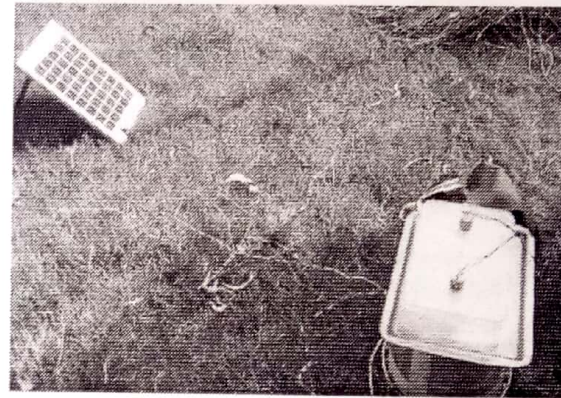
# Development of Anti-Mosquito Device

Our institute has sponsored a project titled ‘Solar-powered Water Surface Turbulence in Mosquito-Larva Control’ by designing a “**Anti-Mosquito Device**”. The project is investigated by Dr. Partha Pratim Pradhan of Department of Physics and co-investigated Dr. Indrajit Biswas of Department of Zoology under the guideship of Dr. Sekhar Banerjee and Dr. Parthasarathi Majumdar.

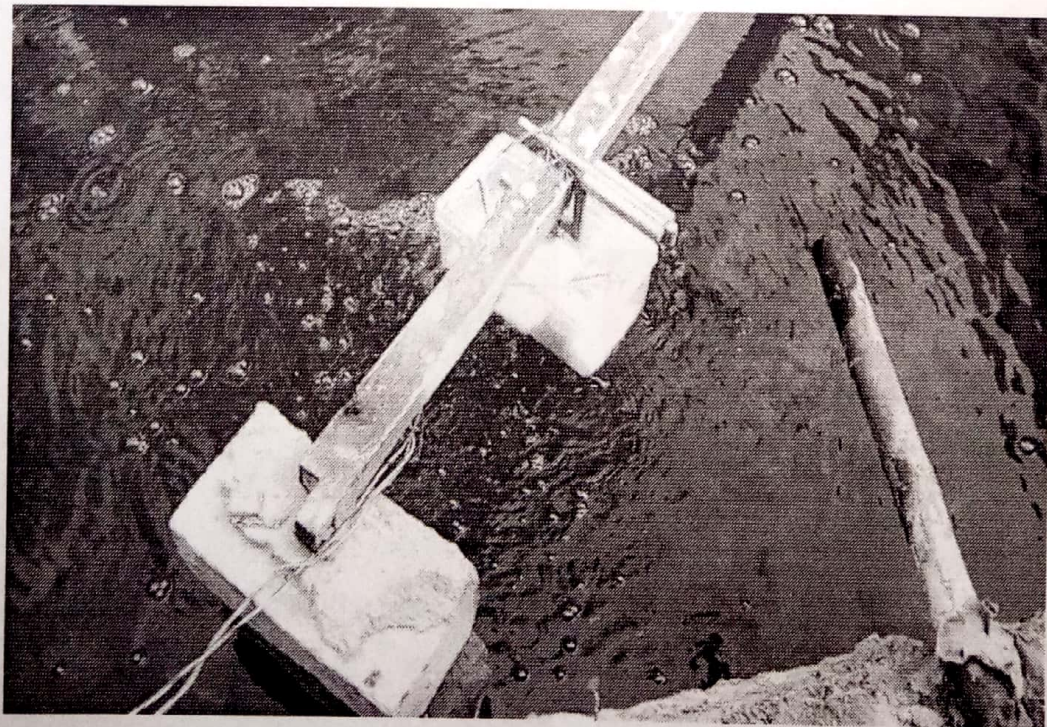
It is a presentation of laboratory Proof-of-Concept of the efficacy of surface turbulence in water, in controlling proliferation of mosquito larvae, in a cheap, completely non-toxic and eco-friendly manner, powered by solar energy.



**4-motor assembly used in glass aquarium**



**Box assembly connected to solar panel**

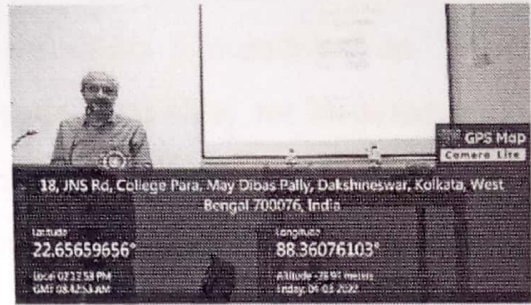


**Closure view of Surface-Turbulator**



# C. RECENT KEY EVENTS AND PROGRAMMES

➤ **NATIONAL SCIENCE DAY CELEBRATION:** Every year our institution celebrates National Science Day with honour, pride and grandeur. Science Day programmes includes inter-institutional competitions, workshops, exhibitions, lectures and seminars by eminent professors, scholars, researchers and students across the field of science.



**HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR WOMEN**  
 DAKSHINESWAR, KOLKATA 36

IN ASSOCIATION WITH INSTITUTIONAL INNOVATIVE COUNCIL, HMMCW

**NATIONAL SCIENCE DAY PROGRAM**  
 A THREE DAY CELEBRATION  
 (27<sup>TH</sup> FEB '23 - 1<sup>ST</sup> MAR '23)

**THEME - GLOBAL SCIENCE FOR GLOBAL WELLBEING**  
 "FOR JOY OF DOING SCIENCE FOR THE WELLBEING OF HUMANKIND"

E-MAIL: [hmmcw.35@gmail.com](mailto:hmmcw.35@gmail.com) / WEBSITE: [www.hmmcollege.ac.in](http://www.hmmcollege.ac.in)



➤ **7-DAY SYMPOSIUM:** On occasion of International Women's Day, National symposium on Gender Sensitization

Date- 8<sup>th</sup> to 14<sup>th</sup> March 2021  
 Time- 7.00-8.30 pm  
 Platform- Google Meet



and Awareness on and from 08.03.2021-14.03.2021: A seven-day symposium "Gender Awareness and Sensitization" – Indian Cell of Social Science Research (ERO) sponsored webinar on Google Meet platform, jointly organized by Department of Women's Studies, Sociology and Journalism and Mass Communication. Selected papers were published in the form of a book "**Gender: An Urge for Deconstruction**" with ISBN, from a national level publishing house

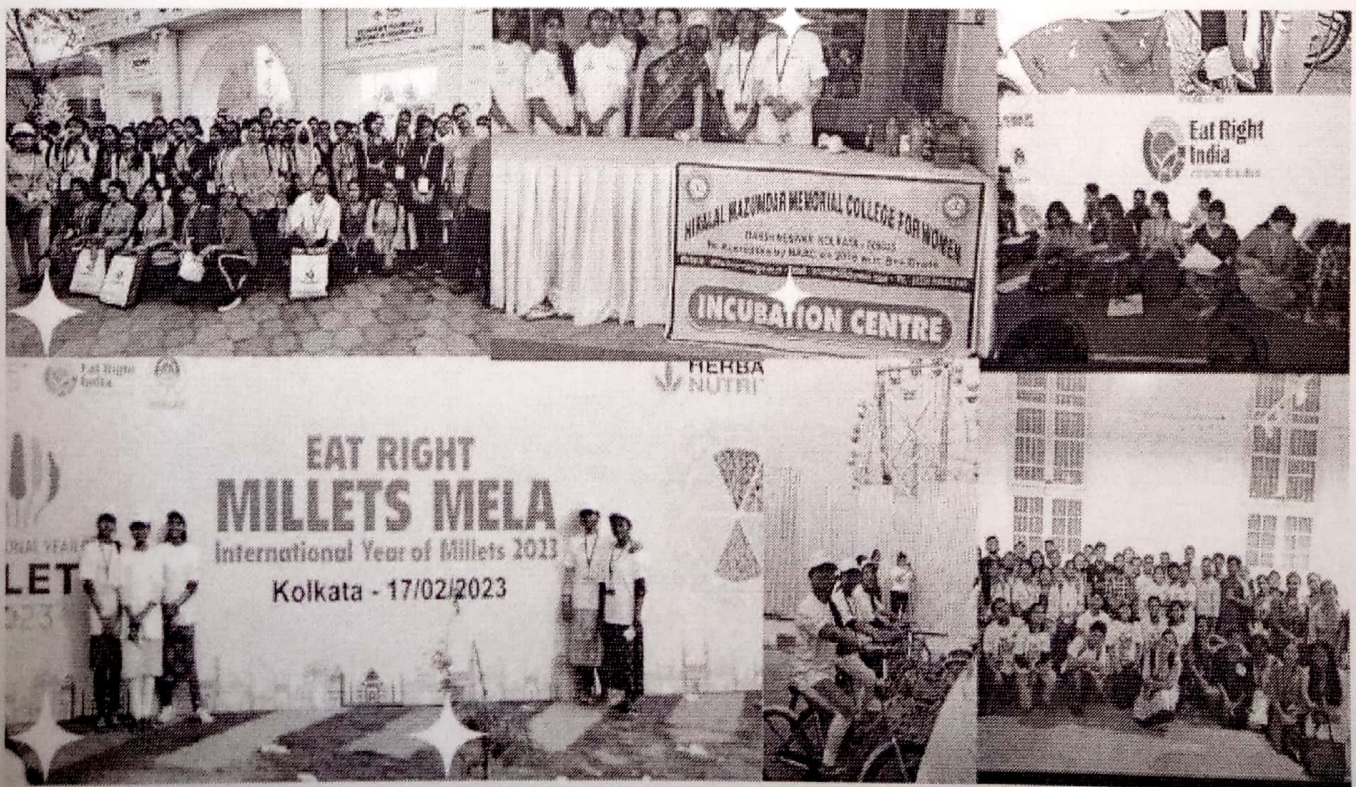
- **INCUBATION CENTRE EXHIBITION:** Incubation Centre organizes initiatives, talk and seminar and display present and demonstrate the items and products by all of the three units at-
1. Incubation Centre initiatives and Opening Lecture by Dr. Soma Ghosh, Principal and Secretary, Hiralal Mazumdar Memorial College for Women on 3/03/2022 before the students of both the schools and colleges
  2. Talk and Display at Women's' Day Celebration at College premises on 9/04/2022
  3. Exhibition at Outside of the College: New Alipore College on 28/06/2022, Exhibition cum sale at PN Das College on 09/03/2023, Demonstration and display at PCM College on 20/03/2023, International Millet Mela on 17/02/2023
  4. Within College premises: Intimation seminar: Exhibition cum sale at National Science day Program from 27/02/2023- 01/03/2023 and In Women's day Celebration: 14/03/2023
  5. Incubation Centre of our college also arranged two Lectures at Seminar Session in National Science day Program at HMMCW. There are: Dr Pranam Dhar, Professor and Head, WBSU-Department of Commerce and Management on guidance on skill and marketing analysis, and Dr. Tanmoy Rudra, Ex. Secretary, Confederation of Indian Universities, on research possibilities and entrepreneurship.







- **EATS RIGHT MILLETS MELA:** Hiralal Mazumdar Memorial College for Women, Kolkata, actively participated in the Millet Mela held in Kolkata on 17th February 2023. Students and faculty members enthusiastically shared their knowledge about millets, their nutritional value, and their role in promoting food security and sustainable farming practices. Additionally, the college also showcased various innovative millet-based recipes and conducted cooking demonstrations to highlight the versatility and deliciousness of these grains.



## FUTURE PLANS



Future plans of our College devised by Research and Development Cell with Institution's Innovation Cell shall promote short term projects with proper logical and technical support with financial sponsorship by governmental and non-governmental agencies or to be self-sponsored by the institute, as well as it also administrate the innovation and proposals for no-cost and low-cost research augmentation. The Cell would entrust and envisages the ideas and environment appropriate for a research ambience within campus.

Our college outlines the future:

- ✓ Ornamental Fish Farming and Fish Keeping
- ✓ Obtaining IPR for anti-mosquito device designed by the college
- ✓ Self Help groups for independent and empowerment

*Chakrabarty*  
12/07/2023  
*[Signature]*  
27/7/2023  
University Nominee  
Governing Body  
Hiralal Mazumdar Memorial  
College for Women  
Dakshineswar, Kolkata 700035

*[Signature]*  
12/7/2023  
Sleguna Mitra  
Government Nominee  
Governing Body  
Hiralal Mazumdar Memorial  
College for Women  
Dakshineswar, Kolkata 700035

*[Signature]*  
12/7/2023  
Principal & Secretary  
Hiralal Mazumdar Memorial College  
For Women  
Dakshineswar Kolkata-700 035

*[Signature]*

*[Signature]*  
President  
Governing Body  
Hiralal Mazumdar Memorial College for Women  
Dakshineswar, Kolkata - 700 035