

**ANNUAL REPORT OF
BARASAT GOVERNMENT
COLLEGE**

PUBLISHED BY IQAC

2023-24

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A. MAJOR ACHIEVEMENTS

- The IQAC has successfully prepared and submitted the Self Study Report (SSR) for NAAC accretion for the assessment period 2018-2023.
- The Science Club of the Institute has organized an Interactive High School student Meet comprising of easy writing, poster competition and laboratory visits to popularize science among the school students.
- ICC and Gender Sensitization Committee of the College has organized an Art Workshop and Mural painting on college Walls to showcase the POSH Act and sensitize students on gender issues.
- Teachers have participated in Faculty Development programs to orient themselves to the New Education Policy recently introduced to the Institute
- A rain water recharging Unit has been constructed in the college grounds as water conservation measures.
- Incorporation of Departmental score sheet in Academic Audit report, encompassing all academic matrices.
- 10 value added courses were organized by the different departments of the Institute of which 6 were on new topics.

B. RESEARCH PUBLICATIONS

Total Number: 44

Sl. No.	Title of paper	Name of the author/s	Dept.	Name of journal
1	Nagzira: bidorver sobuj phusphus	Jayati Ghosh	Zoology	এখন আৱণ্যক পত্ৰিকা, pp-30-35
2	Studies on the Blood Samples of Gallus domesticus in Singur, Hooghly Districts of West Bengal identifies Prevalence of Haemosporidian Parasites	Souvik Khanra, Chirandeeep Dey, Jayati Ghosh	Zoology	"International Journal of Scientific Research in Biological Sciences Vol.10, Issue.4, pp.01-06"
3	Ganga nodir susuk: ekti baponno projati	Jayati Ghosh	Zoology	Bigyan Anneswak, vol.21: issue-1, pp-25-26 RNI: WBBEN/2003/11192 National https://bigyananneswak.org.in/publications/
4	Assessment of air quality in different regions of Kolkata before and during COVID-19 lockdown: A blessings behind the ruthless curse	Jotishree Kolay Indrani Banerjee, Sumana Saha.	Zoology	National Journal of Multidisciplinary Research and Development, 2023: 8(2):74-77
5	Hemocyte variations with emphasis to granulocytes and plasmatocytes in grasshoppers collected from the surrounding areas of Pench Tiger Reserve and Nagzira National Park.	Srikanta Guria	Zoology	Indian J. Applied & Pure Bio. 38(3), 1220-1227. https://www.biology-journal.org/fulltext/v38i3/ijapb38-3-26.pdf
6	Effect of lead (Pb) toxicity on hemocytes of freshwater molluscs, Bellamya bengalensis with emphasis to cell aggregation.	Srikanta Guria	Zoology	Indian J. Applied & Pure Bio. 38(3), 1434-1440. https://biology-journal.org/journal/volume38/issue78/ijapb38-3-51.html
7	A comprehensive approach to health assessment of fish population using head kidney derived macrophages (HKM) and macrophage aggregates (MA) from rohu (Labeo rohita) and tilapia (Oreochromis sp.): the potentially sensitive biomarkers of contaminant exposure and several environmental stressors	Srikanta Guria	Zoology	<i>Indian J. Applied & Pure Bio.</i> 38(3), 1502-1509. https://biology-journal.org/journal/volume38/issue78/ijapb38-3-58.html
8	" Assessment Of Inflammatory Cells In The Exudate Collected From Swim Bladder Of Rohu (Labeo Rohita)."	Srikanta Guria, O Middy, A B Hossain and D Saha.	Zoology	Bull. Env.Pharmacol. Life Sci., Vol 12 [9] August 2023: 48-53

9	"Diversity of leaf chafer beetles (Rutelinae: Scarabaeidae: Coleoptera) of Jaldapara Wildlife Sanctuary, Alipurduar, West Bengal, India"	Sumana Saha , Soumodip Das and Dinendra Raychaudhuri	Zoology	International Journal of Entomology Research, Volume 8, Issue 9, 2023, Page No. 37-41
10	Tortoise Beetles (Cassidinae: Chrysomelidae): Their diversity, abundance & host preference in the forests of Dooars, 'West Bengal, India	Sumana Saha , Pratik Halder and Dinendra Raychaudhuri	Zoology	WSN 182 (2023) 115-132
11	"Diversity and distribution of dragonflies and damselflies (Order: Odonata) in forested & urban areas of North and South 24 Parganas & Kolkata Districts of West Bengal, India"	Sumana Saha , Soumik Chowdhury and Dinendra Raychaudhuri	Zoology	WSN 184 (2023) 103-129
12	Effect of physicochemical parameters and heavy metals toxicity on reproduction of Tilapia collected from different aquaculture pond of North 24 parganas, West Bengal, India	Indrani Banerjee, Hiya Roy, Sumana Saha	Zoology	International Journal of Fisheries and Aquatic Research, Volume 9, Issue 1, 2024, Page No. 12-15
13	Activation of neutrophils excels the therapeutic potential of Mycobacterium indicus pranii and heat-induced promastigotes against antimony-resistant Leishmania donovani infection	Somaditya Dey , Chiranjib Pal et al	Zoology	Scand J Immunol. 2024;00:e13350. doi:10.1111/ sji.13350
14	Study of Macrophages from Spleen of Tilapia (Oreochromis Sp.) to Evaluate Immune Mechanisms in Fish.	Srikanta Guria	Zoology	International Journal of Biology, Pharmacy and Allied Sciences, 13(3): 1422-1429
15	A mechanistic insight into the cytomorphology of liver macrophages in tilapia (Oreochromis sp.).	Srikanta Guria	Zoology	Indian J. Applied & Pure Bio. Vol. 39(2), 665-670
16	Fungi's treasure in cosmeceuticals-a comprehensive chemical approach.	Mukherjee, A., Das, S., Chakrabarty, D., Pal, N and Das, N.	Botany	South African J Botany, Vol-166:311-331
17	Role of melatonin in fungi with special reference to morphogenesis and stress tolerance.	Chakrabarty, D., Mukherjee, A., Chakrabarty A and Das, N.	Botany	South African J Botany, Vol-166:413-422
18	Isolation, purification and characterization of Cytosolic L-myoInositol-1-phosphate synthase from Marine macro Red Alga Sebdenia flabellata (J. Agardh) P.G. Parkinson	Dibyendu Sekhar Mahanty , Jukta Adhikari and Ankita Sarkar	Botany	Indian J. Applied & Pure Bio, Vol-39(1):277-291
19	Notes on some potential new and noteworthy first hand ethnomedicinal herbal drug dosimetry interviewed with the Gorkha Nepalese community of Darjeeling hills (India)	S. Panda, M. Elachouri, D.K.Som, D.S. Mahanty and P. Roy	Botany	Indian J of Traditional Knowledge, Vol-23(3):279-290

20	Regulation of the polyamine pool in plants: metabolic implications and stress mitigation, with emphasis on microbial influence Pathology https://doi.org/10.1016/j.pmpp.2024.102317	Roy, T., Paul, N., Das, N	Botany	Physiological and Molecular Plant Pathology Vol-132, 102317
21	Evaluation of karyotype diversity in Indian traditional aromatic rice cultivars through EMA-based non-fluorescent Giemsa and fluorescent DAPI staining	Jha, T.B. and Halder, M.,	Botany	Genetic Resources and Crop Evolution, 71(4), pp.1379-1400
22	Karyotype analysis on Gloriosasuperba using enzymatic maceration and air-drying-based Giemsa, DAPI, and CMA staining techniques	Jha, T.B., Chakroborty, P. and Halder, M	Botany	Cytologia, 89(3), pp.203-209.
23	Study of growth-improving and sporophore-inducing endobacteria isolated from Pleurotus pulmonarius.	Paul, C., Roy, T., Singh, K. Maitra, M and Das, N.	Botany	World J Microbiol Biotechnol
24	Influence of pesticide-tolerant soil bacteria for disease control caused by <i>Macrophomina phaseolina</i> (Tassi.) Goid and plant growth promotion in <i>Vigna unguiculata</i> (L.) Walp.	Bandopadhyay, A., Roy, T., Alam, S. Mazumder S, Das N	Botany	Environment, Development and Sustainability
25	Sacred groves as the source of local medicinal plants and sites of biodiversity conservation in North 24 Parganas, West Bengal	Dibyendu S Mahanty & Shrabana Mazumder	Botany and Geography	International J of Plant and Environment Vol-9
26	Physiology of Shade Loving Plants: A Comparative Analysis with Shade Avoiding Plants	Dibyendu Sekhar Mahanty	Botany	Indian Journal of Applied and Pure Biology , VO,L38
27	Global transcriptome analysis reveals fungal disease responsive core gene regulatory landscape in tea	Chaudhuri R K, Chakraborti D et al	Botany	Scientific Reports, Vol-13
28	Recent advances in the synthesis of chromenone fused pyrrolo[2,1a]isoquinoline derivatives	S. Bera, A. Maji, S. Patra, D.S.Mahanty, S. Samanta, S.K.Samanta, B. Biswas, P. Patra	BOTANY and MATHS	New J of Chemistry, ISSUE 48
29	1947-Er Bangabibhajan: Pashchimbanger Bangla Bhasa Ebang Sahityer Itihas Charchar Prasangikata	SATABDI SADHU MONDAL	Bengali	Ekusher Dheu
30	Prak Unish Shatake Ingrajder Bangla O Itihaser Charchay Shasaker Kkhamatayan	SATABDI SADHU MONDAL	Bengali	LOKOGANDHAR (International Peer Reviewed Journal on Modern Research)

31	Determinants of Female Labour Force Participation in Urban India: Does Outdoor Air Pollution Matter?	Kaushiki Banerjee & Arpita Ghose	Economics	The Indian Journal of Labour Economics
32	On F-convex and Interpolative Hardy-Rogers Type Contraction Maps in I-metric Space	Jayanta Biswas and Sunil Suman	Maths	International Journal of Science, Mathematics and Technology Learning
33	On Berinde and upper class functions with cyclic admissible contraction maps in I-metric space	Sunil Suman and Jayanta Biswas	Maths	European Chemical Bulletin
34	Some reliability properties of a new generalized entropy for residual lifetime random variables	Prasanta Paul	Maths	Journal of the Calcutta Mathematical Society
35	Reviewing the issues of Human-carnivore conflict vis-a-vis mitigation approaches of the Indian Sundarban	C S Das, R N Mondal, S Bandyopadhyay	Geography	Environmental Development
36	Tidal Variation and Flow Dynamics in Indian Sundarban Based on Field Observation and Numerical Models	Chandan Surabhi Das	Geography	Estuarine, Coastal and Shelf Science
37	Governance of Urban Infrastructure in India: Exploring the Approaches, Attributes, and Opportunities Towards Sustainability	Jaydip De	Geography	Global Social Welfare
38	বেদের ভাষা: পাণিনিব্যাকরণের আলায়	অনুরা ব্যানার্জী	Sanskrit	এবং আমরা, চতুর্বেদ সংখ্যা, জানু:2024
39	বৈদিক মন্ত্র, যজ্ঞ আর তাদের আত্মীয়তা	অদिति ভট্টাচার্যী	Sanskrit	এবং আমরা, চতুর্বেদ সংখ্যা, জানু:2024
40	Enhanced symmetry energy may bear universality of r-process abundances	Srijit Bhattacharya , et al	Physics	Monthly Notices of the Royal Astronomical Society I.F.- 4.8
41	Probing the role of photon strength function models in determining the properties of the hot giant dipole resonance	Srijit Bhattacharya , and C. Bhattacharya et al	Physics	Physical Review C I.F.- 3.2
42	Noise cross correlations can induce instabilities in coupled driven models	Sudip Mukherjee	Physics	Physical Review E I.F.- 2.2
43	Nonequilibrium steady states in coupled asymmetric and symmetric exclusion processes	Atri Goswami, Utsa Dey, Sudip Mukherjee	Physics	Physical Review E I.F.- 2.2
44	Correlation-driven metal-insulator transition in unconventional magnetic metal superoxides	Sarajit Biswas , Pratim Banerjee, Moll y De Raychaudhury	Physics	Materials Research Bulletin I. F. - 5.3

BOOKS/CHAPTERS PUBLISHED /PAPERS IN CONFERENCES**Total number: 30**

Sl. No.	Name of Teacher	Title of the book/chapters/paper published	Name of the publisher
1	Adrija Chaudhuri	Ghnoram Dharmamangal : Rarh Banglar Antyaja Japoner Itibritto	Kobi Ghonoram Chakraborty Smriti rokkha Committee
2	Adrija Chaudhuri	Shibayan o Annadamongol Kabye Shib-parbotir Dampotyo Rosayon'	Lalmati
3	Kisalaya Jana	Kallol Jug O Tar Baishistya	Amitrakkhar Publishers
4	Kisalaya Jana	Sajarur Kanta: Jiboner Alochaya	Amitrakkhar Publishers
5	Kisalaya Jana	TOP : Samantratantrer Ullas kingba modhyobitter atmpratarana	Amitrakkhar Publishers
6	Kisalaya Jana	Bhimer kopal....Bangla Adventure Kahinir Tattwatalash	Habra Chaitanya College
7	Chandan Surabhi Das	Geotectonics & Geomorphology (Bengali)	Enova Publications
8	Chandan Surabhi Das	Socio-economic Challenges of Environmental Refugees: An Overview of Sagar Island of Sundarban, India	Springer Nature
9	Balaram Das	Banglar Jatiotabad 1800-1971 (Ed by Goutam Mukherjee & Samar kantu Chakraborty	
10	Balaram Das	ইতিহাস এষণা ৫ সম্পাদনা - সৌমিত্র শ্রীমানী	
11	Kaushiki Banerjee	Chakraborty, C. and Pal, D. (Ed.) Gender Inequality and its Implications on Education and Health	Emerald
12	Srikanta Guria and Ali Rahit	Research in Biomedical, Healthcare and Pharmaceutical Science, (1) 122 – 127	Bhumi publishing house
13	Srikanta Guria and Ali Rahit	Research and Reviews in Microbiology Volume I	Bhumi publishing house
14	Rituparna Kundu Chaudhuri, et al	Compendium of Crop Genome Designing for Nutraceuticals	Springer Nature Singapore Pte Ltd.
15	Aniruddha Das	Bharatiya Sangbidhan O Prashashan (in Bengali)	Avenel Press
16	Aditi Bhattacharya	চরবেতি: মহাভারতের পথে (সম্পাদিত গ্রন্থ)	একতারা প্রকাশনী
17	Antara Banerjee	আস্তিক দর্শনে ঈশ্বর	Avenel Press
18	Antara Banerjee	পরিবেশ ও মানুষ: সকাল একাল	Avenel Press
19	Urmita Ray	KOTHO KOTHA 2, Nari o Bangler Itihas	
20	Kaushiki Banerjee	Biswas, P. (Ed.) Contemporary Scenarios in Economic Development	Taurean Publications
21	Pritam Bandyopadhyay	The Collected Short Stories of Kazi Nazrul Islam	Orient Blackswan Pvt. Ltd.

22	Sumana Saha	URMI Volume - I (Collection of Online Science e-Magazine)	International Academic Publishing House (IAPH)
23	Mukherjee, A., Chakrabarty, D., Das, S., Pal, N and Das, N.	Trends in Biotechnology of Polyextremophiles	Springer. Pp:267-299.
24	N.Roy,T., Arora, S., Das S, Pal, N and Das, N. Das	The chemistry inside spices and herbs: research and development (Volume 4).	Bentham Books Pp:175- 211
25	Roy,T., Pal, N and Das, N.	The chemistry inside spices and herbs: research and development (Volume 3)	Bentham Books
26	Benaicha S, Aissa I, Subhasis P, Mahanty DS , Bussmann RW, Mostafa E.	Ethnobotany of Northern Africa and Levant, Ethnobotany of Mountain Regions	Springer Nature Switzerland AG 202
27	Ouasti I, Ouasti M, Subhasis P, Mahanty DS , Bussmann RW, Elachouri M.	Ethnobotany of Northern Africa and Levant, Ethnobotany of Mountain Regions	Springer Nature Switzerland AG
28	Halder, M. ,Kundu, A. and Jha, S	Plant Specialized Metabolites: Phytochemistry, Ecology and Biotechnology	Springer Nature Switzerland AG
29	Halder, M. , Das, N. and Jha, S	Biotechnological Production of Bioactive Phytochemicals of Medicinal Value	
30	M. Halder and S. Roy	Medicinal Plants: Biodiversity, Biotechnology and Conservation	Springer Nature Singapore

D. AWARDS RECEIVED by FACULTY

Total Number: 04

Sl. No.	Name of Awardee	Name of the Award/ recognition	Name of the Awarding body
1	Smt. Kaushiki Banerjee, Assistant Professor in Economics	Best Paper Presenter in Social Science Group in 13th Faculty Induction Programme organized by University of North Bengal, UGC-HRDC	University of North Bengal, UGC-HRDC
2	Dr. Somaditya Dey, Assistant Professor in Zoology	Long Term ICMR-DHR International Fellowship for Young Indian Bio-medical Scientists 2022-23 to act as International Visiting Fellow (Indian Council of Medical Research, Govt. of India) at Laboratory of Malaria and Vector Research, National Institutes of Allergy and Infectious Diseases, National Institutes of Health, Rockville, USA, 15th March, 2023-14th March, 2024.	(funded by Indian Council of Medical Research, Government of India, amounting to 30,02,000/-, for postdoctoral training and research at National Institute of Allergy and Infectious Diseases, NIH, USA).
3	Dr. Sumana Saha, Associate Professor in Zoology	Award for outstanding contribution in the field of Entomology	Department of zoology, Sree chaitanya college, Habra
4	Dr. Srikanta Guria Associate Professor in Zoology	Best poster presentation award for poster presentation at National Seminar 2023 On "Chemistry in Biology"	Department of Chemistry, Shri Shikshayatan College in collaboration with Indian Photobiology Society.

E. COLLABORATIVE WORK & MOU'S SIGNED BY THE INSTITUTION**Total number: 16**

Sl. No.	ORGANISATION	ACTIVITIES
1	Swayam	Gender Sensitization programs and Mural painting on college walls.
2	Vidyasagar University	Environmental Management Consultancy and Internship Program for Students
3	Variable Energy Cyclotron Centre, Kolkata, India	Collaborative Research & publication
4	Department of Zoology, University of Calcutta	Collaborative Research & publication
5	Department of Agricultural Biotechnology, IRDM Faculty Centre, Ramakrishna Mission Vivekananda Educational and Research Institute Narendrapur, Kolkata	Collaborative Research & publication
6	Gour Banga University, WB	Collaborative Research & publication
7	IIT Madras	Collaborative Research & publication
8	IEST, Shibpur	Collaborative Research & publication
9	Dept of Microbiology St. Xavier College, Kolkata	Collaborative Research & publication
10	P K College, Contai, University of Calcutta	Collaborative Research & publication
11	Dept of Physics, Bankura University	Collaborative Research & publication
12	Saha Institute of Nuclear Physics	Collaborative Research & publication
13	Bhatter College, Dantan	Collaborative Research & publication
15	IIT, Guwahati	Collaborative Research & publication
16	Egra SSB College, Egra	Collaborative Research & publication

F. VALUE ADDED/ ADD-ON/CERTIFICATE PROGRAMS CONDUCTED BY THE INSTITUTION**Total number: 10**

Sl.No.	Name of Value Added/Add on /Certificate programs offered	Duration of course	Number of Students completing the course in the year
1	Cultural Heritage of India-Medieval Period Department of History	1 st to 8 th November, 2023	50
2	Gender and Environmental Studies: Women's Role in Sustainable Practices Department of Philosophy	3 rd to 8 th November, 2023	75
3	India's Role in the World Today: A Look at Its Influence across Continents Department of Political Science	11 th to 16 th March, 2024	56
4	Role of Thermodynamics on the Evolution and Modernization of the Human Society Department of Physics	13 th to 18 th May, 2024	40
5	Insights In Mycology And Plant Pathology: From Mushroom Cultivation To Pest Management Department of Botany	17 th to 24 th May, 2024	62
6	Know Your Economy Department of Economics	10 th to 15 th June ,2024	42
7	Environmental Education and Sustainable Development Department of Geography	18 th to 25 th June,2024	53
8	Fruit and Water Quality Analysis and Identification of Adulterants in Food Department of Chemistry	20 th to 26 th June, 2024	20
9	বাচিক শিল্প পাঠশালা (BACHIK SHILPA PATHSHALA) Department of Bengali	20 th to 26 th June, 2024	37
10	Quick Mathematics Department of Mathematics	24 th to 29 th June, 2024	30

G. SEMINARS/WORKSHOPS CONDUCTED BY THE COLLEGE

Total number: 15

Sl.No.	Name of the workshop/ seminar	Date
1	<p>Seminar on 'vector borne disease like dengue and preventive measures' organized by Dept. Of Zoology.</p> <p>Speaker: Dr. Arindam Bhattacharyya (Professor) Department of Zoology, University of Calcutta Dr. Moytrej Chatterjee working at Santipur, Nadia in the post of Block epidemiologist under Dept. of Health and Family Welfare, Govt. of West Bengal</p>	22 nd August, 2023
2	<p>Workshop on Investigative Science Experiments by Department of Physics, IQAC and Scientia, Science club of Barasat Govt. College</p> <p>Speaker: Prof. Birendra Nath Das, Vice President, Science communicators Forum Kolkata</p>	26th September, 2023
3	<p>Sanskrit Theatre Workshop organized by the Department of Sanskrit</p> <p>Speaker: Biplab Kotal, Assistant Professor of Sanskrit, Ramakrishna Mission Vidyamandira, Belur Math, Howrah</p>	6th October, 2023
4	<p>World Philosophy Day on 06.12.2023 .Special lectures on World Philosophy Day</p> <p>Speakers: Professor Dr. Proyash Sarkar, JU. Department of Philosophy and Professor Dr Moitreyee Dutta, JU. Department of Philosophy, on the topic 'God –Story : A Philosophical Reflection.' Organized by Department of Philosophy</p>	6 th December, 2023
5	<p>Seminar on Awareness for Prevention of Cancer & Thalassemia and First Aid Protocol in Sudden Heart Attack (CPR) organized by Post Graduate Department of Zoology in association with Barasat Atmajan.</p> <p>Speaker: Dr. Shankar Kumar Nath, Ex. Senior Oncologist. Calcutta Medical College & R.G. Kar Medical College. Topic: Cancer Shri Malay Mukhopadhyay, Senior Trainer, St John Ambulance (India) , Member, Advisory Board, Barasat Atmajan Topic: Sudden Heart Attack and CPR Shri Susanta Dattagupta, Working President, Barasat Atmajan Topic: Thalassemia</p>	8th December, 2023
6	<p>One Day Seminar in Order & Fluctuations in Low Dimensional Systems: Implications for Biological Matter organized by Dept. of Physics</p> <p>Speakers: Prof. Abhik Basu (SNIP) Dr. Sudip Mukherjee (Barasat Govt. College)</p>	22 nd December 2023

7	A special talk was organized on Sahityadarpana Speaker : Dr. Jayanta Nandi, Assistant Professor in Sanskrit, Sister Nibedita Govt. General Degree College for Girls’.	23 rd December, 2023
8	Seminar On “Mushroom-A Journey To Become An Entrepreneur”, organized by dept of Botany. Speaker: Prof. Krishnendu Acharya, Professor, University of Calcutta	10 th January 2024
9	A special talk Shabdashakti and Rasasutra organized by Department of Sanskrit Speaker : Dr. Arijit Gupta, Assistant Professor in Sanskrit, D.L. Roy College, Krishnagar.	17 th January, 2024
10	Talk on William P. Alston’s Speech Act organized by Department of Philosophy. Speaker: Dr. Proyash Sarkar, Professor, Department of Philosophy, JU.	17 th January, 2024
11	One day seminar on Mathematics Organized by Dept. of Mathematics Speakers: S MISREA, MAKAUT Topic: dynamical system cosmology I BHATTACHARYYA Topic :A mathematical...relativity	12 th February,2024
12	One day Seminar on Recent Trends in Chemistry, Speakers: 1. Dr. Chandrakanta Bandopadhyay , Emeritus Professor of Chemistry, R.K.Mission Vivekananda Centenary College, Rahara 2. Dr. Shouvik Chattopadhyay, Professor of Chemistry, Jadavpur University	28 th February, 2024
13	One Day Seminar, organized by the Department of Political Science. Speakers: Dr. Aneek Chatterjee, Department of Political Science, Sister Nibedita GGD College for Girls, Kolkata : Theme : ‘The Course of World Politics in the Era of Artificial Intelligence’ Dr. Gouri Shankar Nag, Professor, Department of Political Science, Sidho-Kanho-BirsaUniversity,Purulia: Theme: ‘India’s Defence Modernization’	28 th March, 2024
14	Seminar on “Role Of Mangrove Army In Protecting Climate Change” Organized by IQAC, P.G. Department of Botany and Department of Geography. Speakers: Mr. Uma Shankar Mondal Secretary, Purbasha Eco Helpline Society, Sundarban	30 th April, 2024
15	Academic Seminar on the occasion of World Wildlife Day & World Environment Day organized by Post Graduate Department of Zoology, Barasat Govt. College in association with IQAC, Barasat Govt. College Speaker: Dr. Bulganin Mitra, Former Scientist C, Zoological Survey of India, Emeritus Professor, Department of Zoology, Ramakrishna Mission Vivekananda Centenary College (Autonomous), Rahara	18 th June, 2024

H. STUDENT AWARDS IN SPORTS/ CULTURAL/ OUTREACH EVENTS

Total events: 10

Sl. No.	Name of the event	Name of the student participated
1	1st Position in Recitation Competetion in Bhaksar Examination (Eastern Zone) of Pracheen Kala Kendra, Chandigarh	Samaha Roy Chowdhury
2	Ranked 3rd in 8th All India Karate Championship Female Category in Kata & Kumita organized by Haryana Sports Karate Association	Riya Biswas
3	Ranked 2nd in poster competition in students week 2024 organized by Barasat Government College	Tanisha Nowrin
4	Ranked 1st in singing competition in students week 2024 organized by Barasat Government College	Puja Das
5	Ranked 1st in poster competition in International Women's day 2024 organized by NSS Barasat Government College dt. 09.03. 2024	Aishi Chowdhuri
6	Ranked 4th in Recitation in All Bengal Cultural Competition organized by Shilpa Sanskriti Niketan	Sharanya Chatterjee
7	Secured Third Position in the Inter-college Quiz Competition held at P.N.Das College,Palta	Sk. Suraj Hussen, Avijit Mistry, Indrani Adhikary, Suvam Mandal
8	Special Award in West Bengal State Student-Youth Festival 2023-2024	Al Sajid Hassan
9	1st in Akhil Bharatiya Sangeet o Sanskriti Samsad	Ankita Sil
10	First Class in Sarbabharatiya Sangeet o Sanskriti Samsad	Soham Sardar

I. GENDER SENSITIZATION PROGRAMS HELD

Workshops: 09

Date	Event
12 th July, 2023	Gender Sensitization workshop with Department of Economics and History
13 th July, 2023	Gender Sensitization workshop with Department of Zoology
17 th July, 2023	Gender Sensitization workshop with Department of Physics and Bengali
18 th July, 2023	Gender Sensitization workshop with Department of Philosophy, Political science and Sanskrit
20 th July, 2023	Gender Sensitization workshop with Department of English
31 st July, 2023	Gender Sensitization workshop with Department of Botany
13 th December, 2023	Gender Sensitization workshop with Department of Chemistry
11 th January, 2024	Gender Sensitization workshop with Department of English, Geography, Economics, Sanskrit
21 st June, 2024	Gender Sensitization workshop with Department of Botany & Zoology



J. NSS ACTIVITIES FOR SOCIAL OUTREACH AND COMMUNITY SERVICES

Total Programs: 19

Sl. No.	Date	Activity
1	05.08.2023	Meri Maati Mera Desh Programme
2	13-15.08.2023	Har Ghar Tiranga Event
3	15.08.2023	Independence Day
4	01.09.2023	Online Magazine on 'Female Foeticide : A 'Social Evil'
5	01.09.2023	Online magazine on 'FEMALE FOETICIDE : A SOCIAL EVIL'
6	27.09.2023	Observed NSS Day
7	31.10.2023	Meri Maati Mera Desh Programme
8	26.11.2023	Observed Constitution day of India
9	02.12.2023	Weeding & Maintenance of Medicinal Plants
10	08.01.2024	Awareness Rally on 'SAFE DRIVE SAFE LIFE'
11	14.01.2024	Participated in the 'Youth Convention'
12	26.01.2024	Observed 'Republic Day'
13	22.02.2024	VOTERS AWARENESS CAMPAIGN FOR YOUTH
14	02.03.2024	MERA PEHLA VOTE DESH KE LIYE
15	09.03.2024	Celebrated 'INTERNATIONAL WOMEN DAY'
16	27.03.2024	Organized BLOOD DONATION CAMP
17	27.03.2024	Awareness Programme on 'HIV AND BLOOD DONATION'
18	15.06.2024	Observed 'WORLD ENVIRONMENT DAY'
19	21.06.2024	Observed 'INTERNATIONAL DAY OF YOGA'



K. TEACHERS PARTICIPATION IN FAULTY DEVELOPMENT PROGRAMS 2023-24

Total Number of participating Teachers: 48

Sr. No	Name of the Teacher	Department	Program Name	Organizing Institution	Duration
1	Arup Bandyopadhyay	Chemistry	NEP 2020 Orientation & Sensitization Programme	MMTTC , Jadavpur University	19.02.2024 - 29.02.2024
2	Ambarish Ray	Chemistry	NEP 2020 Orientation & sensitization programme	MMTTC , Jadavpur University	19.3.2024- 29.3.2024
3	Ambarish Sen	English	NEP 2020 Orientation and Sensitization Course	MMTTC University of Calcutta	3.1.24-11.1.24
4	Anuradha Bandopadhyay	Botany	NEP 2020 Orientation & Sensitization Programme	MMTTC , Jadavpur University	05/02/2024 to 16/02/2024
5	Bhismadeb Mukhopadhyay	Bengali	NEP 2020 Orientation & Sentization Programme	MMTTC , Jadavpur University	8.01.2024 to 19.01.2024
6	Debapratim Chakraborty	English	NEP 2020 Orientation and Sensitization Programme	MMTTC University of Calcutta	03.01.2024 to 11.01.2024
7	Debashree Dutta	Philosophy	NEP 2020 Orientation & Sensitization Programme	MMTTC University of Calcutta	03.01.2024 to 11.01.2024
8	Dola Chattopadhyay	Economics	NEP 2020 Orientation & Sensitization Programme	MMTTC University of Calcutta	03.01.2024 to 11.01.2024
9	Dibyendu Sekhar Mahanty	Botany	Refresher Course in Life Science (Botany)	University of Mysore	27.2.2024- 13.3.2024
10	Enamul Haque	Zoology	NEP Orientation & Sensitization programme	MMTTC , Jadavpur Univ	05.02.2024 to 16.02.2024
11	Gourango Aich	Sanskrit	NEP 2020 Orientation & Sensitization Programme	MMTTC , Jadavpur University	08/01/2024- 19/01/2024
12	Indranath Bhattacharyya	Mathematics	NEP 2020 Orientation & Sensitization Programme	University of Burdwan	02.02.2024 to 13.02.2024
13	Jaydip De	Geography	NEP 2020 Orientation & Sensitization Programme	MMTTC University of Calcutta	03.01.2024 to 11.01.2024
			Online International Faculty Development Programme on Introduction to Digital Humanities	Scottish Church College, Kolkata and Inter-Disciplinary Research Platform of Digital Humanities, IIT Jodhpur	19.08.2023- 16.09.2023
14	Jayanta Biswas	Mathematics	NEP 2020 Orientation & Sensitization Programme	MMTTC , Jadavpur University	19.02.2024 to 29.02.2024
15	Jibanananda Jana	Chemistry	NEP 2020 Orientation & Sensitization Programme	MMTTC , Jadavpur University	08.01.2024 - 19.01.2024
16	Kakali Bhattacharjee	Economics	NEP 2020 Orientation and Sensitization Programme	MMTTC , Jadavpur University	08.01.2024 - 19.01.2024
17	Kaushiki Banerjee	Economics	NEP 2020 Orientation & Sensitization Programme	MM-TTC, University of Calcutta	03.01.2024 to 11.01.2024
18	Mihir Halder	Botany	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	05/02/2024 to 16/02/2024
20	Mithu Sinha Ray	Philosophy	NEP 2020 Orientation & Sensitization Program	MMTTC, University of Calcutta	03.01.2024 to 11.01.2024
21	Mousumi Roy	English	NEP 2020 Orientation & Sensitization Program	MMTTC , Jadavpur University	08/01/2024- 19/01/2024
22	Madhuchhanda Bhattacharyya	Philosophy	NEP 2020 Orientation & Sensitisation Programme	University of Calcutta	03.01.2024- 11.01.2024

23	Niloy Chakraborty	English	NEP 2020 Orientation & Sensitization Program	Jadavpur University	08/01/2024-19/01/2024
24	Narayan Chandra Bar	Chemistry	NEP 2020 Orientation & Sensitization Program	MMTTC, Jadavpur University	05.02.2024 to 16.02.2024
25	Nisith Chandra Das	Mathematics	NEP 2020 Orientation And Sensitization Programme	MMTTC, Jadavpur University	05.02.2024 to 16.02.2024
26	Prasanta Paul	Mathematics	NEP 2020 Orientation and Sensitization Program	MMTTC Jadavpur University	05.02.2024 to 16.02.2024
27	Paramita Bhattacharyya	Bengali	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	08/01/2024 to 19/01/2024
28	Renuka Adhikari	Bengali	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	05/02/2024 to 16/02/2024
29	Roopamala Saha	English	NEP 2020 Sensitisation Programme	Kumaun University, Uttarakhand	18.03.24 - 27.03.2024
30	Samar Chattopadhyay	Physics	1.NEP 2020 Orientation & Sensitization Programme	MMTTC University of Calcutta	03.01.2024 to 11.01.2024
31	Shreya Ray	Bengali	"Transformation in Indian Education through New Education Policy- Challenges and Opportunities"	Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru.	05/07/2021 to 11/07/2021
			Refresher Course on Environmental Studies.	UGC-Human Resource Development Centre, Aligarh Muslim University	16.8.2023-29.8.2023
32	Sonali Dey Sengupta	Botany	NEP 2020 Orientation & Sensitisation Programme	MMTTC, Jadavpur University	08.01.2024 - 19.01.2024
33	Sourama Saha	Geography	NEP Orientation and Sensitization programme	Babasaheb Bhimaroo Ambedkar Bihar University	18.01.24-25.01.24
34	Srikanta Guria	Zoology	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	08/01/2024 to 19/01/2024
35	Sumana Saha	Zoology	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	05.02.2024 to 16.02.2024
36	Sohini Gupta	Botany	NEP 2020 Orientation and Sensitization Programme	MMTTC, Jadavpur University	05.02.24-16.02.2024
37	Samrajnee Dutta	Chemistry	National Level webinar on "NEP-2020 Changing Role of Teachers"	MMTTC, Jadavpur University	19/02/2024 to 29/02/2024
			Understanding the many nuances of Indian art and architecture An aesthetic Journey	St. Pauls Cathedral Mission College and Surendranath College for Women, Kolkata	8.10.2023-16.10.2023
38	Shampa Bhowmick	Chemistry	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	5/02/2024 - 16/02/2024
39	Shatabdi Sadhu Mondal	Bengali	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	19.02.2024 to 29.02.2024

40	Shobhan Mandal	Mathematics	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	05/02/2024 to 16/02/2024
41	Shrabana Mazumder	Geography	NEP 2020 Orientation and Sensitization Programme	MMTTC, Jadavpur University	08/01/2024 to 19/01/2024
			Short Term Course in Yoga and Wellness	HRDC, Ranchi University	2.11.2023-8.11.2023
42	Sk Abdul Gani	Chemistry	NEP 2020 Orientation & Sensitization Programme	MMTTC, Jadavpur University	19.3.2024 to 29.3.2024
43	Soma Nath (Deoghoria)	Chemistry	NEP 2020 orientation and sensitization programme	MMTTC Jadavpur University	05.02.2024 to 16.02.2024
44	Soma Sinha	Philosophy	NEP 2020 orientation and sensitization programme	MMTTC Jadavpur University	08/01/2024-19/01/2024
45	Sonali Paul	Bengali	NEP 2020 orientation and sensitization programme	MMTTC Jadavpur University	08/01/2024 to 19/01/2024
46	Swati Pal	Bengali	Malaviya Mission Teacher Training Programme	Barasat Govt College	05/02/2024 to 16/02/2024
47	Sudip Mukherjee	Physics	Refresher Course in Information Technology	Ranchi University HRDC	07.3.2024-20.3.2024
48	Tanusree Das	Bengali	NEP 2020 Orientation & Sensitization Programme	MMTTC Jadavpur University	08/01/2024 to 19/01/2024

L. SCIENCE CLUB ACTIVITIES

Programs - 04

SL. NO.	PROGRAM	DATE
1	Workshop on Investigative Science Experiments	26.9.23
2	Interactive Meet with High School students (Poster & Essay Competition and Lab Visit)	12.10.23
3	Visit to IISER Kolkata	28.02.2024
4	Science Heritage Walk	05.03.2024

Magazine Publication - 01



Videos uploaded - 07

Discipline	Video Title	You tube link
BOTANY	Unveiling Janaki Ammal: A Botanist's Journey through Time	https://youtu.be/5gt8ny1Snkc?si=DM6ZyKwLAycogVRz
CHEMISTRY	C.V.Raman and Raman Effect	https://youtu.be/GEHuUBvQj2A?si=QgHdu1jTACmG1IqF
ECONOMICS	Unveiling Amartya Sen: A life of Ideas	https://www.youtube.com/watch?v=J10Ta6q_GCQ
GEOGRAPHY	World Soil Day	https://youtu.be/1gRleCDsjow
MATHEMATICS	Kurt Gödel :Unraveling the Mind	https://youtu.be/CvY63jUPQCg?si=P3RrCcaU3yjHK5Uc
PHYSICS	Bose: The Man Who counted Photons	https://youtu.be/NTy_IH0j1F4?si=BL7XeylozUr77rSY
ZOOLOGY	National Wildlife Week: The Voice for the Voiceless	https://youtu.be/zxN0ABG1baM?si=4dv3_YvXd5AZTgxj

M. ONGOING RESEARCH PROJECTS

Total number: 03

Name of the research project	Name of the Principal Investigator	Amount Sanctioned	Duration	Name of Funding Agency
Broken symmetry phases in correlated backgrounds: Scaling and universality	DR. SUDIP MUKHERJEE	2.75 Lakhs (Received in FY: 2023-24 , out of total amount allotted for BGC 8.25 Lakhs)	3 Years	SERB, DST
Statistical mechanics of one-dimensional transport: Role of conservation laws, coupled gates and obstacles	DR. SUDIP MUKHERJEE	0.90 Lakhs (90,000/-) (Received in FY: 2023-24, out of total amount allotted for BGC 2.75 Lakhs)	3 Years	SERB, DST
Long Term ICMR-DHR International Fellowship for Young Indian Bio-medical Scientists 2022-23 to act as International Visiting Fellow (Indian Council of Medical Research, Govt. of India) at Laboratory of Malaria and Vector Research, National Institutes of Allergy and Infectious Diseases, National Institutes of Health, Rockville, USA	Dr. SOMADITYA DEY	Total 30,30,175/- for 1 year	1 Year	Indian Council of Medical Research, Govt. of India

N. STUDENT'S ACADEMIC RECORDS 2023-24

Course	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG-Hons	Physics	14	13	82 %
	Chemistry	11	8	
	Zoology	24	22	
	Botany	10	8	
	Mathematics	41	32	
	Geography	61	52	
	Economics	19	12	
	English	63	50	
	Bengali	52	47	
	Philosophy	50	35	
	Political Science	59	53	
	Sanskrit	30	17	
	History	60	54	
	Total	494	403	
UG-General	B.A. General	307	245	79 %
	B.Sc. Pure General	52	39	
	B.Sc Bio General	8	6	
	Total	367	290	
M.A./ M.Sc.	M.Sc. in Physics	17	15	97 %
	M.Sc. in Botany	17	16	
	M.Sc. in Zoology	24	24	
	M.A. in Bengali	28	28	
	Total	86	83	