

**ANNUAL REPORT OF  
BARASAT GOVERNMENT  
COLLEGE**

**PUBLISHED BY  
IQAC**

**2022-23**

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## A. MAJOR ACHIEVEMENTS

- To combat the growing trend of student apathy in taking up basic science as a field of study, IQAC had urged the science departments to form a **SCIENCE CLUB** for the promotion and popularization of basic science through creation of popular videos, posters, magazines etc. on scientific personalities and discoveries etc. A science club was successfully set up with 7 science departments and several such activities have been initiated.
- To raise a body of students aware of their community and social responsibilities, the NSS committee of the college has taken up several activities like **SLUM ADAPTATION**, health and literacy awareness programs etc. in the immediate locality of the college.
- IQAC organized several **SEMINARS** on topics like ‘Cyber crime’ (12<sup>th</sup> September, 2022) and ‘NAAC and AQAR preparation’ (11<sup>th</sup> January, 2023) to enlighten the teaching faculty of the college to such topical issues. Along with these several seminars on academic interest were also conducted by the departments in collaboration with IQAC.
- The college administration has signed **23 MoU’s** with different academic institutions and social organizations to collaborate and share expertise and knowledge on various academic, social and administrative issues. IQAC encouraged the departments to organize **26 VALUE ADDED/ADD ON COURSES** with the aim of imparting additional skills to students for accessing higher educational facilities and maneuvering the job market.
- A policy has been formulated to identify **SLOW AND ADVANCED LEARNERS** among the students of departments and actions have been devised to help such students achieve their targets.



**BARASAT GOVERNMENT COLLEGE**  
NAAC-A GRADE & DST-FIST SPONSORED COLLEGE  
ESTD-1950

**INTERNATIONAL SEMINAR ON "UNDERSTANDING GENDER IDENTITY"**

**"লিঙ্গ চেতনা"**

**ORGANISERS: DEPARTMENT OF HISTORY AND IQAC**

Speakers: **Dr. Sayan Bhattacharya**  
Assistant Professor, University of Maryland, USA  
**Ms. Shikha Bagul**  
Founder: **Kolkata Anandam**  
**Dr. Soma Roy**  
Kolkata Anandam

Chief Patron: **Dr. Samar Chattopadhyay**  
Principal (W.B.S.E.S.)  
Barasat Government College

Date: 16 December 2022  
Time: 12.30 PM  
Venue: Seminar Hall, Annex Building  
All Are Welcome



**BARASAT GOVERNMENT COLLEGE**  
P.G. DEPARTMENT OF BOTANY

**VALUE ADDED COURSE ON**

**TECHNIQUES ON BIODIVERSITY CONSERVATION AND PLANT RESOURCE UTILIZATION**

June 22-27, 2023

Chief patron – **Dr. Samar Chattopadhyay**,  
Principal  
Barasat Govt. College

Venue: Departmental Seminar Room  
Certificates on successful completion of VAC.  
Course Co-ordinator: **Dr. Subhira Talal Mukhopadhyay**,  
Contact no: 9918488927

Course fee Rs 100/- (to be paid in cash on the first day of the course)  
Last date of registration: 23.06.2023-Tue.

REGISTRATION LINK: <https://forms.gle/Z4gvj3buXatEFC7ZA>

**BARASAT GOVERNMENT COLLEGE**  
P.G. DEPARTMENT OF BOTANY

**NOTIFICATION OF POLICY STATEMENT ON SLOW AND ADVANCED LEARNERS**  
(Dated 27 August, 2023)

Barasat Government College has created a policy for identifying the Slow and Advanced Learners of different departments, resulting, such as in the form of academically weaker students while recognizing the advanced learners of the college. The policy document formulates methods for identification, categorization and remedial action to be taken for the benefit of the learners.

**Identification of Slow and Advanced Learners**

An evaluation program is to be arranged by the Heads of the departments for newly admitted students before commencement of class. In the program the Head along with the departmental faculty will refer the students on various grounds. Wherein, different departmental activities, future plans, career/employment opportunities, skill and developmental needs, etc. will be taken into consideration. The following evaluation procedures will be followed by subject based teachers for identification of the Slow/Advanced Learners:

- At the time of their first meeting of teaching to help identify and categorize students based on their level of interaction with peers and resources.
- A Roll and Question answer session at the end of each class, to help identify fast responsive students.
- An assessment test on the papers taught in semester away 1, 2 months.
- Any other discipline specific assessment/measurement may be adopted by the respective teachers for better identification of a student's Learning Slow/Advanced.

The Head of the department will collect the report from respective teachers based on above assessment procedure.

The list of students of Slow/Advanced Learners to be created assessing the cumulative report of all departmental teachers in the middle of the ongoing semester.

**Action to be taken for Slow Learners:**

- More engagement has to be provided to slow learners during class teaching.
- Particular study material to be provided to slow learners and assignments based on study material to be assigned for such students with regular monitoring and encouragement.

## B. RESEARCH PUBLICATIONS

**Total Number: 55**

Title of paper	Name of the author/s	Dept.	Name of journal	Year of publication	ISSN number
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	2022	1387-585X (print version) 1573-2975 (online)
Laccase-assisted bioremediation of Pesticides: Scope and challenges	Chandana Paul, Nilasish Pal, Madhumita Maitra & Nirmalendu Das	BOTANY	Mini-Reviews in Organic Chemistry	2023	1875-6298 (Online); 1570-193X (print)
Clean gene technology to develop selectable marker-free pod borer-resistant transgenic pigeon pea events involving the constitutive expression of Cry1Ac	Ganguly S, Purohit A, Ghosh S, Chaudhuri RK, Das S, Chakraborti D	BOTANY	Applied Microbiology and Biotechnology	2022	14320614, 01757598.
Differential transcript expression profiles of susceptible and resistant pigeonpea cultivars at an early time point during <i>Fusarium udum</i> infection	Ghosh S, Purohit A, Hazra A, Mukherjee A, Bhar A, Gupta S, Chaudhuri RK, Chakraborti D	BOTANY	Frontiers in Genetics	2022	1009127
A short review on the synthesis of oxazolo/thiazolo/imidazolocoumarins and their biological activities'	Susanta Patra, Prasanta Patra*, Dilip Rout, Sanchaita Adikari & Dibyendu Shekhar Mahanty	BOTANY	Synthetic Communications Reviews	2022	0039-7911 and 1532-2432 (online)
Physiology of Shade Loving Plants: A Comparative Analysis with Shade Avoiding Plants	Dibyendu Sekhar Mahanty	BOTANY	Indian Journal of Applied and Pure Biology	2023	0970-2091
Repetitive Sequences in Monocot MICRORNAs – Targets for Future Bioengineering Strategies for Climate Resilient Crops	Sohini Gupta Ganguli, Souradip Basu, Sayak Ganguli	BOTANY	Journal of Environment and Sociobiology	2022	Online ISSN: 2454-2601, Print ISSN: 0973-0834
Geometry of nonrelativistic string	Sk. Moinuddin, Pradip Mukherjee	PHYSICS	Physics Scripta (Institute of Physics, I.F. - 2.9)	2022	1402-4896
Energy momentum tensor of a non-minimally coupled scalar from the equivalence of the Einstein and Jordan frames	Sk. Moinuddin, Pradip Mukherjee, Anirban Saha, Amit Sinha Roy	PHYSICS	The European Physical Journal C (Springer, I.F. - 4.4)	2023	1434-6052
The effect of Cr-substitution on the structural, electronic and magnetic properties of rutile VO <sub>2</sub>	Sarajit Biswas	PHYSICS	Journal of Magnetism and Magnetic Materials (Elsevier, I.F. - 2.7)	2023	0304-8853/1873-4766
First-principles investigation of the Metal-insulator Transitions In Ti-substituted tetragonal rutile VO <sub>2</sub>	Sarajit Biswas and Molly De Raychaudhury	PHYSICS	Vacuum (Elsevier, I.F. - 4.0)	2023	1879-2715/ 0042-207X
Alkali cation controlled tuning of the Metal-insulator Transition in Vanadium hollandites	Sarajit Biswas, Pratim Banerjee and Molly De Raychaudhury	PHYSICS	Materials Science and Engineering B (Elsevier, I.F. - 3.6)	2023	1873-4944/0921-5107

Correlation-driven metal-insulator transition in Unconventional magnetic metal superoxides	Sarajit Biswas, Pratim Banerjee and Molly De Raychaudhury	PHYSICS	Materials Research Bulletin (Elsevier, I.F. - 5.4)	2023	0025-5408
Rough or crumpled: Phases in kinetic growth with surface relaxation	Sudip Mukherjee and Abhik Basu	PHYSICS	Physical Review E Letter (American Physical Society, I. F. - 2.7)	09-08-22	2470-0045
Stiffening or softening of elastic media: Anomalous elasticity near phase transitions	Sudip Mukherjee and Abhik Basu	PHYSICS	Physical Review E Letter (American Physical Society, I. F. - 2.7)	14-11-22	2470-0045
Statistical mechanics of phase transitions in elastic media with vanishing thermal expansion	Sudip Mukherjee and Abhik Basu	PHYSICS	Physical Review E (American Physical Society, I. F. - 2.7)	14-11-22	2470-0045
Role of quantum fluctuation in inducing ergodicity in the spin glass phase and its effect in quantum annealing	Sudip Mukherjee	PHYSICS	Philosophical Transactions of the Royal Society A (I. F.- 5.0)	05-12-22	1364-503X
Steady states and phase transitions in heterogeneous asymmetric exclusion processes	Atri Goswami, Mainak Chatterjee and Sudip Mukherjee	PHYSICS	Journal of Statistical Mechanics: Theory and Experiment (Institute of Physics, I. F. -2.234)	29-12-22	1742-5468
Pairing phase transition in an odd-even hot 69Zn nucleus	Enakshi Senapati, Satabdi Mondal, Srijit Bhattacharya, Deepak Pandit, N Dinh Dang, Nguyen Ngoc Anh, LT Quynh Huong, Rajkumar Santra, N Quang Hung, Balam Dey	PHYSICS	Journal of Physics G: Nuclear and Particle (Institute of Physics, I. F. - 3.5)	2023	1361-6471
Viscosity to entropy density ratio ( $\nu/s$ ) in nanoliquid	Md Moinul Islam, Alok Kumar De, Deepak Pandit, Balam Dey, Nazmus Sakib, Srijit Bhattacharya	PHYSICS	Physics and Chemistry of Liquids (Taylor & Francis, I.F. - 1.2)	2022	10290451
Isospin dependence of nuclear level density at $A \approx 120$ mass region	R Shil, K Banerjee, Pratap Roy, J Sadhukhan, TK Rana, G Mukherjee, S Kundu, TK Ghosh, S Manna, A Sen, R Pandey, A Chakraborty, Deepak Pandit, S Mukhopadhyay, Debasish Mondal, D Paul, C Bhattacharya, S Bhattacharya	PHYSICS	Physics Letters B (Elsevier, I.F. - 4.4)	2022	0370-2693
Analysis of cross-section, S-factor and thermonuclear reaction rate of $^8\text{Li}(^11\text{B})$ and $^{14}\text{N}(^{15}\text{O})$ using TALYS and EMPIRE nuclear reaction codes	Satabdi Mondal, Pampa Das, Enakshi Senapati, Deepak Pandit, Balam Dey, Alok Kumar De, Srijit Bhattacharya	PHYSICS	International Journal of Modern Physics E (World Scientific, I.F. - 1.1)	2022	2183013

Influence of PEDOT: PSS Doping on the Performance of Organic Solar Cells	Kriti Ranjan Sahu, Abhijit De	PHYSICS	Biointerface Research in Applied Chemistry, I.F. – 0.25)	Oct, 2022	2069-5837
Cicadas (Hemiptera: Cicadidae) of Buxa Tiger Reserve, a forest of Dooars in the foothills of Eastern Himalaya, West Bengal, India	Sumana Saha, Rinika Ghosh, Dinendra Raychaudhuri,	ZOOLOGY	World Scientific News, 177 (2023) 103-117	9 Feb, 2023	2392-2192
Biochemical and molecular basis of bacterial bioluminescence and its utilization as a biosensor for the assessment of environmental toxicity, Volume 7, Issue 8	Indrani Banerjee, Angshumitra Paul, Sumana Saha	ZOOLOGY	IJRTI   Volume 7, Issue 8   IJRTI2208238 International Journal for Research Trends and Innovation (www.ijrti.org) 1485 - 1494	2022 IJRTI	ISSN: 2456-3315
"গুলিয়ানডার হক মথের রূপান্তর"	Jayati Ghosh	ZOOLOGY	এখন আরণ্যক' পত্রিকা, pp-62	Jun-23	Ekhon aranyak ISSN number: 2455 - 1139
অস্তিত্ব সংকটে নীল পাহাড়ের রাজা	Jayati Ghosh	ZOOLOGY	Bigyan Anneswak, vol.20: issue-1, pp-25	Jan-Feb 2023	ISSN: 2582-5674, RNI: WBBEN/2003/11192
Assessment of the present state and future fate of river saraswati, india: water quality indices and forecast models as diagnostic and management tools	Sasanka Pramanik, Jayanta Kumar Biswas, Anilava Kaviraj, and Subrata Saha	ZOOLOGY	CLEAN Soil Air Water (WILEY), 51 (4): 2200321	2023	ISSN: 1863-0669
Performance analysis of machine learning algorithms and screening formulae for $\beta$ -thalassemia trait screening of Indian antenatal women.	Reena Das, Sarkaft Saleh, Izabela Nielsen, Anilava Kaviraj, Prashant Sharma, Kartick Dey, Subrata Saha	ZOOLOGY	Int J Med Inform.(ELSEVIER) Nov;167:104866.	2022	ISSN: 1386-5056 (print); 1872-8243 (web)
Production analysis of composite fish culture in drought prone areas of Purulia: The implication of financial constraint.	Prabhat Kumar Mishra, Akhilesh Parey, Bhaskar Saha, Ayan Samaddar, Sriparna Chakraborty, Anilava Kaviraj, Izabela Nielsen, Subrata Saha	ZOOLOGY	AQUACULTURE (ELSEVIER) 548,737629	2022	ISSN 0044-8486
On a collection of (Insects, Acari) some insects and mites from medicinal plants of Ramkrishna Mission, Narandrapur (India: WB, Dist S 24 pgs)	A. Sultana, Sagata Mondal and Salil K Gupta	ZOOLOGY	Acta Entomology and Zoology, p-10	10.12.2022	"P-ISSN: 2708-0013, E-ISSN: 2708-0021"
Mites and insects occurring on some leafy ornamentals and floricultural plants in Howrah and Purba Medinipur districts of West Bengal, with their economic importance	D. Manna, Sagata Mondal and <b>Salil K Gupta</b>	ZOOLOGY	Journal of Entomology and Zoology Studies 2022; 10(4): 45-51	JUL-AUG 2022	P-ISSN: 2349-6800, E-ISSN: 2320-7078
Some mites and insects occurring on medicinal plants from medicinal plant gardens located in and around Kalyani, West Bengal	Goutam Ghosal, Sagata Mondal and <b>Salil K Gupta</b>	ZOOLOGY	South Asian Journal of Agricultural Sciences 2022; 2(2): 36-40	(JUL-DEC 2022)	E-ISSN: 2788-9297 P-ISSN: 2788-9289



On a collection of mites and insects occurring on some vegetable crops cultivated in Nerendrapur campus Ramakrishna Mission, West Bengal, India	Payel Manna, Sagata Mondal and <b>Salil K Gupta</b>	ZOOLOGY	South Asian J. Agric. Sci., 2022; 2(2): 48-51	(JUL-DEC 2022)	E-ISSN: 2788-9297 P-ISSN: 2788-9289
Identification of Larval Eustrongylides (Nematoda: Dioctophymatoidea) sp. from Channa punctata Bloch, 1793 by Morphological and Molecular Techniques	Ivy Kundu & Dipak Ranjan Mandal	ZOOLOGY	Turkish journal of Parasitology 213-218	2022	P-ISSN: 1300-6320 E-ISSN: 2146-3077
Nagarkrishi: Kolkata Metropolitan Elakar Ekti Karjakari Bishleshan	Shrabana Mazumder	GEOGRAPHY	Bhugol Swadesh Charcha	2023	25814788
Environmental degradation and erosion susceptibility mapping at Ajodhya hill, Purulia, India– a GIS based analysis	Swapan Paul & Chandan Surabhi Das	GEOGRAPHY	Safety in Extreme Environment	2022	2524-8170
A worldwide perspective on large carnivore attacks on humans	Giulia Bombieri, Vincenzo Penteriani, Kamran Almasieh, Hüseyin Ambarlı, Mohammad Reza Ashrafzadeh, Chandan Surabhi Das, et al.	GEOGRAPHY	Plos Biology	2023	1544-9173
Erosion-accretion pattern in the tidal-rivers of Indian Sundarban in relation to estuarine hydrodynamics	Swapan Paul, Chandan Surabhi Das & Subhamita Chaudhuri	GEOGRAPHY	Continental Shelf Research	2023	0278-4343
Brtttakar orthoniti: Sthisil Unnoyoner R o Ek Dhap	Sourama Saha	GEOGRAPHY	Bhugolika	2023	2319-6122
Premchand's "Godan (The Gift of a Cow)": Shades of Exploitation, Socio-Political Context	Dr. Ambarish Sen	ENGLISH	Journal of the Oriental Institute (print only)	October-December 2022	0030-5324
Accelerated motion in general relativity: fate of the singularity	Indranath Bhattacharyya Saibal Ray	MATHS	European Physical Journal C	2022	1434-6044 (print) 1434-6052 (web)
A study of McVittie Spacetime in Stationary and Dynamical Regime	Indranath Bhattacharyya Saibal Ray, Maxim Khlopov, Riju Nag, Samudra Sundar Nag	MATHS	Fortschritte der Physik - Progress of Physics	2022	Online ISSN:1521-3978
Ouponibesik bhartoborser silpo.....chinta chetona	Balaram Das	HISTORY	ATHENA	VOLUME VI, JUL 2022 C.E.	ISSN: 2454-1605
Paper: Nati Binodini o Chaitanyalila Abhinay	Debjani Roy Moulik	ENGLISH	Journal: Nibodhata (CARE listed)	Vol. 36, No. 3, SEP-OCT, 2022	ISSN: 0972-4877
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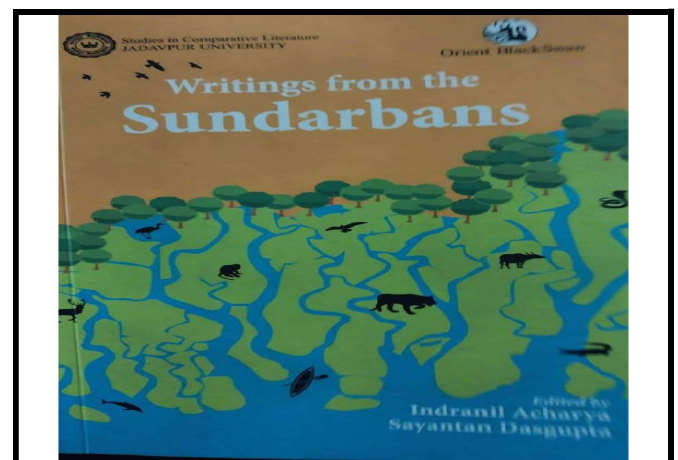
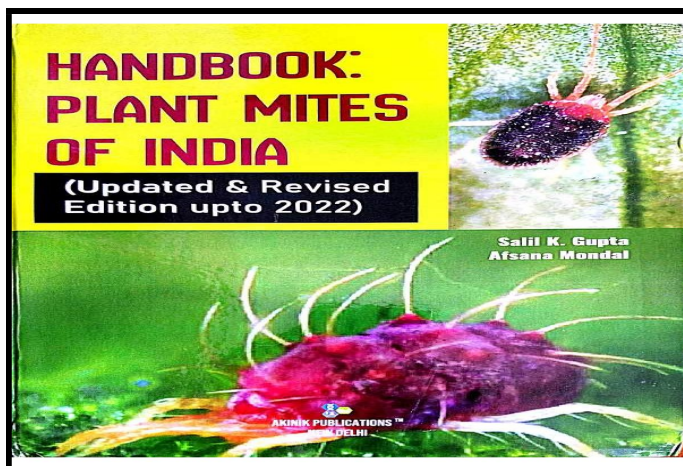


## C. BOOKS/CHAPTERS PUBLISHED /PAPERS IN CONFERENCES

**Total number: 24**

Teacher	Title of the Book/paper	Name of the conference/ Book	Year of publication
Nirmalendu Das	Heavy metal tolerance and pesticide degradation by two soil bacteria isolated from agricultural field of West Bengal, India- a bioremediation approach.	International conference contaminated sites	2022
Anuradha Bandopadhyay	Heavy metal tolerance and pesticide degradation by two soil bacteria isolated from agricultural field of West Bengal, India- a bioremediation approach.	International conference contaminated sites	2022
Rituparna Kundu Chaudhuri	Genomic Design for Abiotic Stress Resistance in Pigeonpea, In: Genomic Designing for Abiotic Stress Resistant Pulse Crops	Genomic Design for Abiotic Stress Resistance Pulse Crops	2022
Rituparna Kundu Chaudhuri	Genetic Improvement of Pigeonpea ( <i>Cajanus cajan</i> (L.) Millsp.) for Insect Resistance: Strategies and Achievements In Genetic Methods and Tools for Managing Crop Pests	Genetic Methods and Tools for Managing Crop Pests	2022
Rituparna Kundu Chaudhuri	Ecological Succession of Wetlands: A Review of the Current Scenario In: Handbook of Research on Monitoring and Evaluating the Ecological Health of Wetlands	Handbook of Research on Monitoring and Evaluating the Ecological Health of Wetlands	2022
Srijit Bhattacharya	Experimental Details for a Typical Nuclear Physics Experiment	Understanding Nuclear Physics	2023
Srijit Bhattacharya	Role of photon strength function models in describing high-energy $\gamma$ -ray spectra	Proc. DAE Symposium of Nuclear Physics	2022
Srijit Bhattacharya	Radiative decay width of the Hoyle state through $^{12}\text{Cp},p\gamma$ reaction,	Proc. DAE Symposium of Nuclear Physics	2022
Srijit Bhattacharya	Radiative decay width of the Hoyle state through $^{12}\text{Cp},p\gamma$ reaction,	Proc. DAE Symposium of Nuclear Physics	2022
Srikanta Guria	Environmental Contaminants Influencing Morphology and Function of Chief Immune Effector Cells in Freshwater Molluscs: The Biomarkers of Health of Aquatic Ecosystem.	Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk [ANCOSEAFF 2022]	Nov, 2022
Srikanta Guria & Samar Chattopadhyay	Viability Assay of Rat Peritoneal Macrophages by Arsenic Trioxide (ATO): The Possible Future Prospects of Nanomedicine Delivering Arsenic Trioxide (ATO) For Disease Therapy.	Advances in Science and Technology Volume II, Page 1 -5	April, 2023
Srikanta Guria	Characterization and Assessing of Phagocytosis Study of Hemocytes in Insects (Orthoptera) Collected from Murti and Adjacent Areas (Dooars), West Bengal: A Possible Biomarkers of Health of Insects and Environmental Pollution Research	Frontiers in Life Science Volume X, Page 57-61	April, 2023

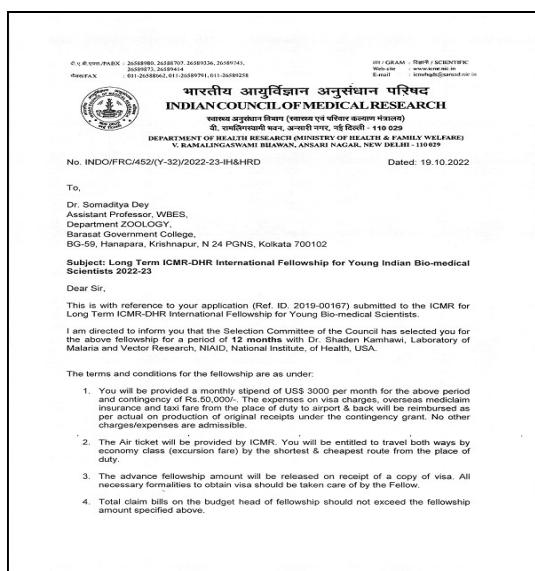
Salil. K. Gupta	HANDBOOK: PLANT MITES OF INDIA	Book	2023
Salil. K. Gupta	PLANT ASSOCIATED MITES OF NORTH EAST INDIA	Book	2022
Jaydip De	Rethinking Environmental Governance: Exploring the Sustainability Potential in India	Book	2023
Shrabana Mazumder	Mangroves as coastal rainforests: imminent threats, hazards, and changing status of ecosystem services	Book	2023
Sourama Saha	Prakritik sampad, poribesh o dowando: Sampad bhugoler ruprekha	Book	March, 2023
Kisalaya Jana	Bangla Adventure Kahinir Tattwatalash	Book	2023
Adrija Chaudhuri	Ghnoramer Dharmamangal: Rarh Banglar Antyaja Japoner Itibritti	Book	2023
Nivedita Chakraborty Dutta	BIBHUTIBHUSHAN BANDYOIPADHYAYER SINDURCHARAN"AMEYA AVIYATRA'	Book	2023
Antara Banerjee	Poribesh O manush: ekal sekal	Book	May, 2023
Pritam Bandyopadhyay	The Immersion March	Writings from the Sunderbans	2023
Aniruddha Das	Gandhi on Education: Relevance of Nayee Talim in Indian Society	Mahatma Gandhi: His Life and Ideas	2022
Balaram Das	Jyotirindranath thakur o tar jatiyo chetonar unmesh	Bangla Sahitya: Desh, Kal O Samajer Prekshite, Vol.III, Published by R.K.MissionVidyamandira	Dec, 2022



## D. AWARDS RECEIVED by FACULTY

**Total Number: 07**

Name of the activity	Name of the Award/ recognition	Name of the Awarding body	Year of award
Samar Chatterjee, Principapl has received an award for his contribution in Education and Allied Subjects	Gyan Probhakar Award 2022	The Antioxidant Society of India	2022
Sudip Mukherjee, Assistant Professor in Physics has received a Guest Scientist Fellowship	Guest Scientist Fellowship	Max Planck Institute for the Physics of Complex Systems, Dresden, Germany	2022
Somaditya Dey, Assistant Professor in Zoology has received an International Fellowship	Long Term ICMR-DHR International Fellowship for Young Indian Bio-medical Scientists 2022-23	ICMR-Department of Health Research	2022
Dibyendu Sekhar Mahanty, Assistant Professor in Botany has received an award for Paper Presentation	Best Oral Presentation Award in the International Conference on Environment, Forestry and Sustainable Agriculture	St. Xavier's College, Ranchi	2022
Srikanta Guria, Assistant Professor in Zoology has received an award for Paper Presentation	1 <sup>st</sup> position in oral presentation in Two-day National Seminar on Recent Trends in Biochemistry and Molecular Biology	Department of Chemistry, Zoology and Microbiology In collaboration with IQAC, Rishi Bankim Chandra College, Naihati	2023
Balaram Das, Assistant Professor in History has received an award for NSS Activity	Active Programme Officer Award 2022-2023	NSS Cell, West Bengal State University	2023
Balaram Das, Assistant Professor in History has received an award for Best paper presentation	Prof. Goutam Neogi Memorial Award 2022 for the Best paper in the International Conference organised by Bangiya Itihas Samiti, Kolkata	Bangiya Itihas Samiti, Kolkata	2023



## E. MOU'S SIGNED BY THE INSTITUTION

**Total number: 23**

<b>Organisation</b>	<b>Activities</b>	<b>Number of participants</b>
<b>Barasat Municipality</b>	Organizing different awareness programs in the area of Saradapally, the Adopted Slum.	<b>100 Students Volunteers 1 Programme Officer 7 Teachers</b>
<b>Barasat College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Netaji Subhas Open University (NSOU)</b>	Room sharing for office work of NSOU center, Infrastructure sharing(Class rooms, Laboratories), conducting teaching, Examination, laboratories work, faculties involment for class teaching, examination.	<b>78 Teachers, 20 SACT</b>
<b>DATA-Q, Kolkata</b>	Sharing of rooms, computer, chair,table for conduction of soft skill computer courses	<b>More than 500 students</b>
<b>Maulana Azad College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Four faculties, more than 200 students</b>
<b>Ramakrishna Sarada Mission Vivekananda Vidyabhavan</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Bidhannagar College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Five faculties, more than 200 students</b>
<b>KNOW YOUR NEIGHBOUR</b>	Joint research-project & publication, Youth monitoring programme, Joint execution of Heritage, Food, Science walks withstudents, any other joint venture foracademic enrichment	<b>Five faculties, more than 150 students</b>
<b>Purbasa Eco Helpline Society</b>	Awareness activities and organizing various programmers including conference,seminars, study tours, field visit and other awarenessactivities.	<b>Two faculties, more than 100 students</b>
<b>Integrated Institute For Advanced Research And Information (IIARI)</b>	organizing value added Courses/Certificate courses / Add-on Courses, faculty exchange, internship course, organizing environmental awareness and gender sensitization programmes.	<b>Six faculties, more than 150students</b>
<b>Institution of Education (PG) for Women, Chandernagore</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>

<b>Vivekananda College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Post Graduate Government Institute for Physical Education</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>P. R. Thakur Government College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Madhyamgram Municipality</b>	Joint involvement towards local area development and urban planning, Collection and Management of solid and liquid wastes, Organization of social awareness programme, promotional activities by students, Exchange of information on urban development, environment monitoring, population etc	<b>Five faculties, more than 300 students</b>
<b>Sarojini Naidu College for Women</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Taki Government College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Kanyashree College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Sree Chaitanya College</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>
<b>Government College of Education</b>	Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course	<b>Two faculties, more than 100 students</b>



<p align="center"><b>Barasat Municipality</b></p>	<p>Joint involvement towards local area development and urban planning, Collection and Management of solid and liquid wastes, Organization of social awareness programme, promotional activities by students, Exchange of information on urban development, environment monitoring population etc.</p>	<p align="center"><b>Ten faculties, more than 500 students</b></p>
<p align="center"><b>St. Xavier's College</b></p>	<p>Sharing of seminars, talks, teachers/students exchange/publications, conducting certificate course, add on course, and value added course</p>	<p align="center"><b>Two faculties, more than 100 students</b></p>
<p align="center"><b>SWAYAM</b></p>	<p>Training sessions on gender awareness, mental health and women's rights issues. Art workshops and mural painting on college walls</p>	<p align="center"><b>ICC, Gender Sensitization committee members and 150 students volunteers</b></p>





**F. VALUE ADDED/ ADD-ON/CERTIFICATE PROGRAMS CONDUCTED BY THE INSTITUTION****Total number: 26**

<b>Name of Value Added/Add on /Certificate programs offered</b>	<b>Duration of course</b>	<b>Number of Students completing the course in the year</b>
Value added course on Understanding India	11th October,2022 to 21st October,2022 (Total 36.5 Hrs.)	146
Value added course on "Post Covid Awareness Programme"	11 <sup>th</sup> October, 2022 – 18 <sup>th</sup> October,2022 (Total: 36 Hrs)	38
Value added course on Effects & Consequences of Thermodynamics on Living Beings	12th October,2022 to 19th October,2022 (Total 36 Hrs)	38
Value added course on Study of Macrofungi, Mushroom Cultivation and Plant Diseases	14th October to 20th October, 2022 (Total 36 Hrs.)	71
Value added course on Recent Development in Mathematical Computing	11th October,2022 to 21st October,2022 (Total 32 Hrs.)	65
Value added course on "A Short Journey on Marketing & Communication Skill"	11th October,2022 to 21st October,2022 (Total 36 Hrs.)	79
Value added course on India's "Role in the World Today [Political and Economic]"	11th October,2022 to 21st October,2022 (Total 33 Hrs.)	50
Certificates Course on Study of animal diversity in North Bengal and South Bengal in specific areas	12-13 <sup>th</sup> Nov 2022, 20 and 27 <sup>th</sup> Nov 2022, 18 <sup>th</sup> Dec 2022, 5 <sup>th</sup> Feb 2023 (Total 39 Hrs.)	51
Add-on Course on Advanced Field Survey Techniques	09-03-2023 to 14-03-2023 (Total 30 Hrs.)	51
Add-on Course on Applied Field Research Methods	15-03-2023 to 18-03-2023 (Total 30 Hrs.)	44
Add-on Course on Collection, Preservation, Display & Cataloging of Museum Specimens	05.06.2023 to 12.06.2023 (Total 10 Hrs.)	44
Value added course on "Insect diversity, hemocyte diversity and pollution"	13 JUNE 2023, 19 JUNE 2023, 21 JUNE 2023, 27 JUNE 2023, 28 JUNE 2023 (Total 35 Hrs.)	51
Add-on Course on Quick Mathematics: a preparatory course for various competitive exams	26-06-2023 to 01-07-2023 (Total 32 Hrs.)	64
Value added course on A Complete Practical Guide Course on Human Blood Cell Count, Hemoglobin Estimation and Interpretation of Diseases	01-02-2023 to 31-05-2023 (Total 36 Hrs.)	45
Value Added Course on Applied Statistics & Econometrics	05-06-2023 to 16-06-2023 (Total 33 Hrs.)	29
Value Added Course on Water Pollution and Analysis	07-06-2023 to 13-06-2023 (Total 32 Hrs.)	19
Value Added Course on Philosophy: A Life Skill	07-06-2023 to 23-06-2023 (Total 30 Hrs.)	72
Value Added Course on Performing Arts in Sanskrit	09-06-2023 to 23-06-2023 (Total 33 Hrs.)	54

Value Added Course on Bangalir Hensel	13-06-2023 to 26-06-2023 (Total 35 Hrs.)	84
Value Added Course on Environmental Education and Sustainable Development	14-06-2023 to 26-06-2023 (Total 32 Hrs.)	24
Value Added Course on Beyond Literary Texts: The Expanding Horizons	16-06-2023 to 26-06-2023 (Total 32.5 Hrs.)	36
Value Added Course on Individual: Rights & Lawas (Indian Context)	16-06-2023 to 23-06-2023 (Total 36 Hrs.)	43
Value Added Course on Social Awareness & Obligations of an Indian Citizen	12-06-2023 to 28-06-2023 (Total 33 Hrs.)	30
Value Added Course on Cultural Heritage of India	12-06-2023 to 23-06-2023 (Total 36.5 Hrs.)	35
Value added course on Techniques on Biodiversity and Plant Resource Utilization	22-06-2023 to 27-06-2023 (Total 32 Hrs.)	97
Value added course on Cultural Heritage of India- Medieval Period	01.11.2023 - 08.11.2023 (Total 36.5 Hrs.)	50


**Barasat Government College**  
 Department OF Bengali  
**বাঙালির হৈশেল**  
 Value Added course  
 35 Hours  
<https://forms.gle/MopHhHtD8aoDGBYE7>  




15 June, 16 June, 19 June, 21 June, 22 June, 23 June  
11am - 5pm  
Bengali Department  
Annex Building


**Barasat Government College**  
 Department of Zoology  
**ADD- ON COURSE**  
 On  
 Collection, preservation, display and cataloging of museum specimens  
 Session 2022-23



Level of Study:	Undergraduate, Postgraduate
Coordinators	Dr. Jayati Ghosh and Smt. Indrani Banerjee
Mode of Study:	Offline
Contact Hours	30
Course starting date	5th June, 2023


**Barsat Govt College**  
 Department of Chemistry  
 offers



**VALUE ADDED COURSE ON  
 WATER POLLUTION AND  
 ANALYSIS**  
 SESSION 2022-23

**Course Offers:**  
 35 contact hours  
 Certificate on completion  
 Hands on training

**7th- 13th JUNE, 2023**  
[chemistry@bgc.ac.in](mailto:chemistry@bgc.ac.in)

## G. SEMINARS CONDUCTED BY THE COLLEGE

**Total number: 19**

<b>Name of the workshop/ seminar</b>	<b>Number of Participants</b>	<b>Date</b>
Unish Shotok Bishoye Bishesh Boktrita O Bitorko Sabha by Dept. of Bengali	70	30th June, 2023
ONE DAY SEMINAR ON BRANCH CUT ANALYSIS FUNCTION by DEPT. OF MATHEMATICS	65	23 <sup>rd</sup> December,2022
Academic seminar on research methodology related to field and laboratory environmental research, environmental sustainability on the occasion of World Environment Day on 16 June 2023 BY DEPT. OF ZOOLOGY	41	16 <sup>th</sup> June, 2023
Seminar on research methodology to celebrate world cancer day 23 held on 16.02.2023BY DEPT. OF ZOOLOGY	58	16 <sup>th</sup> February, 2023
Seminar as an awareness program on Worlds Zoonoses Day 2022, dt. August 23, 2022 (Invited talk by Dr Aritri Dutta, DBT/Wellcome trust)BY DEPT. OF ZOOLOGY	36	23 <sup>rd</sup> August, 2022
"A day with Physics" organized by Dept. of Physics	40	6 <sup>th</sup> January 2023
Seminar on the Topic of The evolution of Indian Science in the last 200 years with special emphasis on Jagadish Chandra Bose, Prafulla Chandra Ray and C.V.Raman at National Science Day by DEPARTMENT OF CHEMISTRY	62	24 <sup>th</sup> February, 2023.
Seminar to Celebrate World Population Day by dept. of ECONOMICS	45	12 <sup>th</sup> & 13 <sup>th</sup> July 2022
One-day Seminar on Exploring the Career Opportunities in Data Science by dept. of ECONOMICS	62	22 <sup>nd</sup> September 2022
One Day Seminar on National Career Service Portal cum Free Career Enhancement Training by dept. of ECONOMICS	77	25 <sup>th</sup> April 2023
NAAC and AQAR preparation (IQAC)	62	11 <sup>th</sup> January, 2023
Cyber Crime (IQAC)	110	12 <sup>th</sup> September, 2022

Seminar on সংস্কৃতদিবস by DEPARTMENT OF SANSKRIT	72	12 <sup>th</sup> August
Seminar on সন্দ্বাবনাদিবস by DEPARTMENT OF SANSKRIT	75	20 <sup>th</sup> August 2022
A one day seminar on Plant Nomenclature was organised by PG Dept. of Botany	40	6 <sup>th</sup> May, 2023
Seminar on “Mangrove Biodiversity” on occasion of International Day for Biodiversity	65	22 <sup>nd</sup> May, 2023
International-seminar-on-understanding-gender-identity by Dept. of History	45	16 <sup>th</sup> Dec. 2022
Understanding the journey of human right by Dept. of Political Sciences	65	21 <sup>st</sup> Dec. 2022
Seminar on “WORLD PHILOSOPHY DAY” by the Department of Philosophy	65	18 <sup>th</sup> November, 2022

**2023 WORLD CANCER DAY**  
SEMINAR ON RESEARCH METHODOLOGY

**16 FEBRUARY, 2023**  
12.30 PM  
BARASAT GOVERNMENT COLLEGE

**AMLAN GHOSH**  
ASSOCIATE PROFESSOR OF ZOOLOGY  
GENETICS OF NON-COMMUNICABLE DISEASE  
DEPARTMENT OF LIFE SCIENCES  
PRESIDENCY UNIVERSITY KOLKATA

Environmental carcinogenesis in the context of arsenic toxicity and associated malignant conditions in West Bengal: an update

SEMINAR HALL  
8013247086  
www.bgc.ac.in

**BARASAT GOVERNMENT COLLEGE**  
NAAC-A GRADE & DST-FIST SPONSORED COLLEGE  
ESTD 1950

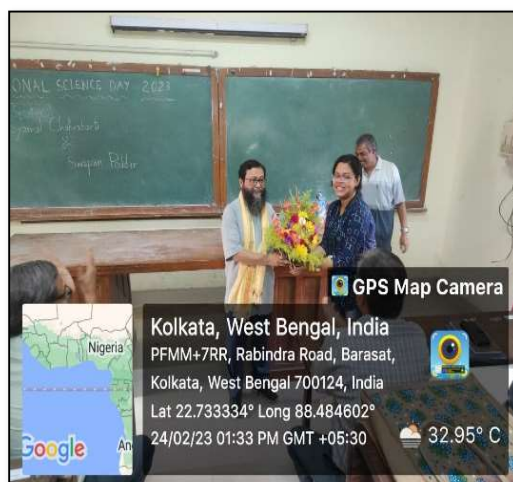
**INTERNATIONAL SEMINAR ON "UNDERSTANDING GENDER IDENTITY"**  
"লিঙ্গ চেতনা"

ORGANISERS: DEPARTMENT OF HISTORY AND IQAC

Speakers: **Dr. Sayan Bhattacharya**  
Assistant Professor, University of Maryland, USA  
**Mx. Sintu Bagui**  
Founder: Kolkata Anandam  
Dr. Soma Roy  
Kolkata Anandam

Chief Patron: **Dr. Samar Chattopadhyay**  
Principal (W.B.S.E.S.)  
Barasat Government College

Date: 16 December 2022  
Time: 12.30 PM  
Venue: Seminar Hall, Annex Building  
All Are Welcome





## H. STUDENT PARTICIPATION IN SPORTS/ CULTURAL/ OUTREACH EVENTS

**Total events: 38**

<b>Date of event</b>	<b>Name of the event</b>	<b>Name of the student participated</b>
19-12-2022 to 22-12-2022	Represented West Bengal State University in the East Zone Inter University Table Tennis (M) Tournament held at Assam Royal Global University, Guwahati	Subhajit Halder
21-11-2022 to 25-11-2022	Represented West Bengal State University in the East Zone Inter University Football (Women) Tournament held at Sambalpur University, Sambalpur	Anju Oraon
14-12-2022 to 16-12-2022	Represented West Bengal State University in the East Zone Inter University Kho-Kho (Women) Tournament held at Fakir Mohan University, Balasore	Ritu Dey
25-12-2022 to 27-12-2022	Represented West Bengal State University in the East Zone Inter University Kabaddi (Women) Tournament held at Berhampur University, Berhampur	Ruhina Khatun
03-01-2023 to 06-01-2023	Represented West Bengal State University in the East Zone Inter University Taikwondo (Men) Tournament held at Guru Nanak Dev University, Amritsar	Titas Pyne
27-12-2022 to 31-12-2022	Represented West Bengal State University in the East Zone Inter University Badminton (Men) Tournament held at Awadesh Pratap Singh University, Rewa	Joydeep Saha
11-07-2022	Poster Competition dedicated to World Population Day organised by Department of Economics	Aniket Bhattacharjee, Aniket Das, Anirban Biswas, Ankit Mitra, Anwasha Das, Ashok Debnath, Ayush Gupta, Bijoylaxmi Mondal, Diptorup Ghosh, Monalisa Ghosh, Mrityunjoy Bala, Prarthito Bandopadhyay, Prerona Dutta, Pritha Ghosh, Rajdeep Ghosh, Rhishika Ghosh, Shreya Ghosh, Sneha Chowdhury, Sudeshna Chowdhury
16th June, 2023	Poster competition held at Mrinalini Dutta Mahavidyapith	Sreya Roy, Dipanjana Bhattacharyya, Nelov Mallick, Esha Paul, Pallbita Ghosh, Adrita Paul
31st March, 2023	Quiz program held in Presidency University	Nelov Mallick, Arkadip Mondal, Prerana Chowdhury

<b>01-08-2022 to 15-08-2022</b>	NSS PROGRAM: On the occasion of 'AZADI KA AMRIT MAHOTSAV', Volunteers of NSS Unit of Barasat Govt. College have received certificates for online Pinning Flag & uploading Selfie with National Flag under 'HAR GHAR TIRANGA'	60 NSS VOLENTEERS
<b>08-08-2022 to 14-08-2022</b>	NSS PROGRAM: On the celebration of 'Iconic Week' (8-14/08/2022) as a part of 'AZADI KA AMRIT MAHOTSAV', NSS volunteers of Barasat Government College, participated in Poster Competition.	60 NSS VOLENTEERS
<b>12-08-2022</b>	NSS PROGRAM: On International Youth Day, organised Campus cleaning programme	47 NSS VOLENTEERS
<b>15-08-2022</b>	NSS PROGRAM: Celebrating Independence Day	75 NSS VOLENTEERS
<b>23-08-2022</b>	Seminar As An Awareness Program And Poster Making Session And Wall Magazine Session Conducted By Dept. of Zoology, Barasat Govt. College on Worlds Zoonoses Day	Basusri Dandapat, Anushka Ghosh, Tista Das, Amit Bera, Sumeet Sanpui, SK Rifa, Nandana Sen, Sharmishta Kundu, Meghna Das, Puja Das, Sayan Halder, Md. Sahil
<b>05-09-2022</b>	NSS PROGRAM: NSS Volunteers of Barasat Government College were present at Milan Mela Prangan, E.M. Bypass, Kolkata and engaged for the logistic support of the programme on felicitation of students and teachers by Hon'ble Chief Minister, Govt. of West Bengal	10 NSS VOLENTEERS
<b>09-09-2022</b>	NSS PROGRAM: An Awareness rally on International Literacy Day (08.09.2022) was organized by NSS Unit of Barasat Government College at adopted Slum Saradapally, where the local children actively participated along with NSS volunteers on 09.09.2022. •On the occasion of International Literacy Day (08.09.2022), NSS Unit of Barasat Government College visited Saradapally where interactive discussions with the local people were held on importance of Literacy in their life. •Conducted Workshop with children on the occasion of International Literacy Day	38 NSS VOLENTEERS
<b>24.09.2022</b>	NSS PROGRAM: Awareness rally on 'stop child labour' on the occasion of NSS Day. •Campus sanitization. •Celebrating NSS day by tree plantation •Celebrating NSS day by tree plantation •Celebrating NSS day by tree plantation	91 NSS VOLENTEERS
<b>05-10-2022</b>	NSS PROGRAM: Actively participated in #CleanIndia2.0 campaign such as	2 NSS VOLENTEERS



	Cleaning Puja Pandels & making handmade drawings to aware Cleanliness	
20-10-2022	NSS PROGRAM: NSS Volunteers had participated in 'Lifestyle for the Environment Pledge' & they received the certificates on it from Ministry of Environment Forest & Climate Change, Govt. of India	50 NSS VOLENTEERS
31-10-2022	NSS PROGRAM: Successfully taken part in #UnityDay on the occasion of birth anniversary of Sardar Vallabhbhai Patel, organized by Ministry of Culture, Govt. of India •actively participated in #FitIndiaFreedomRun3.0 through his #fitness activities to make life healthy	1 NSS VOLENTEERS Narayan Biswas
10-11-2022	NSS PROGRAM: HIV Awareness Program and Tree Plantation	85 NSS VOLENTEERS
02-12-2022	NSS PROGRAM: NSS volunteers of Barasat Govt. College have participated in '#CleanEnvironment & #SwachhBharatMission Campaign', #WORLDIDAIDSDAY organized by NSS Cell, WBSU	4 NSS VOLENTEERS Puja Biswas, Arko Karmakar, Bala Chatterjee, Sujata Bala
17-12-2022 to 23-12-2022	NSS PROGRAM: Special Camp	49 NSS VOLENTEERS
06-01-2023	NSS PROGRAM: NSS Orientation Programme Awareness Activities Health & Social Issues	39 NSS VOLENTEERS
12-01-2023	NSS PROGRAM: Celebrating National Youth Day	80 NSS VOLENTEERS
26-01-2023	NSS PROGRAM: Celebrating Republic Day	35 NSS VOLENTEERS
15-02-2023	Blended Capacity Building Programme for Stakeholders of River Ganga - Fifth Colloquy: Ganga Samvad Organized by South Asian Institute of Advanced Research & Development (SAIARD) and Sponsored by National Mission for Clean Ganga Ministry of Jal Shakti (Department of Water Resources, River Development & Ganga Rejuvenation), Government of India	Arghya Deep Das, Ayantika Ghosh, Parthib Biswas, Rupam Majumder, Shrabani Pramanik, Srijan Dutta
16-02-2023	NSS PROGRAM: Awareness Programme on Protection of Rights, Full Participation & Equal Opportunity for Specially Abled	63 NSS VOLENTEERS
21-02-2023 to 22-02-2023	NSS PROGRAM: Annual Sports Day of College	14 NSS VOLENTEERS
10-03-2023	NSS PROGRAM: Celebrating International Women's Day	77 NSS VOLENTEERS
17-03-2023	NSS PROGRAM: Campus Cleaning	27 NSS VOLENTEERS
27-03-2023	NSS PROGRAM: Blood Donation Camp	12 NSS VOLENTEERS

11-05-2023	National Dialogue on Urban Water Security: A Global Concern Ministry of Youth Affairs Organized by South Asian Institute for Advanced Research and Development and school of Oceanographic Studies of Jadavpur University, Kolkata	Ankita Mondal, Ayantika Ghosh, Debanjan Roy, Md Sajid Haque, Mouli Roy, Pratik Mondal, Ratul Basu, Shayeri Chatterjee, Sounak Dubey
22-05-2023	NSS PROGRAM: Vivek Samhati Utsab	1 NSS VOLENTEERS Mistu Dutta
26-05-2023	Climate Change and Disaster Risk Reduction: Making Sustainability a Way of Life” under the umbrella of G20 & Y20 Organized by of Govt of India, South Asian Institute for Advanced Research and Development & RIS (Ministry of External Affairs, Government of India)	Adity Sen, Ankita Mondal, Arghya Deep Das, Ayantika Ghosh, Debanjan Roy, Dwipayana Bagchi, Md Asiful Haque, Md Sajid Haque, Mouli Roy, Parthib Biswas, Piyali Mukherjee, Pratik Mondal, Ratul Basu, Rupam Majumder, Sayantan Bandyopadhyay, Shayeri Chatterjee, Shrabani Pramanik, Snigdha Das, Sounak Dubey, Srijan Dutta, Subhra Saha, Sucheta Dey
05-06-2023	NSS PROGRAM: World Environment Day Observation	68 NSS VOLENTEERS
21-06-2023	NSS PROGRAM: International Yoga Day Observation	65 NSS VOLENTEERS
30-06-2023	Bitorko Sabha organized by Department of Bengali	U. G sem 2 and sem 4 students



## I. GENDER SENSITIZATION PROGRAMS HELD

**Programs: 2 Workshops: 4**

Date	Event
23 <sup>rd</sup> Nov 2022	Gender Sensitization workshop with Department of Political Science
8th December 2022	Women's Rights are Human Rights: Awareness Programme on Gender Based Violence
27th March 2023	Celebration of Women's History Month
26 <sup>th</sup> May 2023	Gender Sensitization workshop with Department of Chemistry
12 <sup>th</sup> June 2023	Gender Sensitization workshop with Department of Geography
26 <sup>th</sup> June 2023	Gender Sensitization workshop with Department of Mathematics

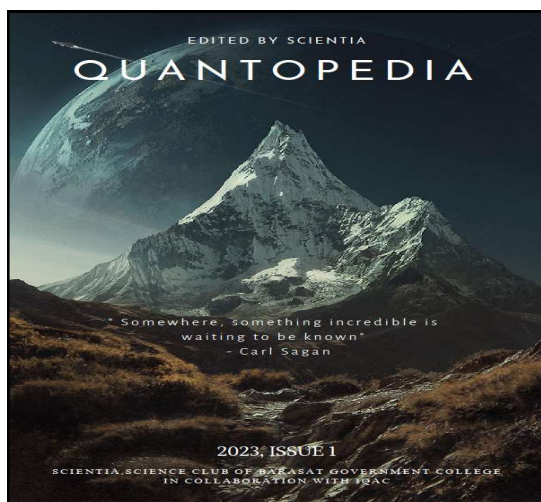


## J. SCIENCE CLUB ACTIVITIES

**Magazine Published : 1**

**Videos created: 7**

Discipline	Video Name	You tube link
BOTANY	M.S. Swaminathan: The father of green revolution of India	<a href="https://youtube.com/watch?v=xx-OUHC8CdQ&amp;si=ZKDHAVOD8f2f8H9C">https://youtube.com/watch?v=xx-OUHC8CdQ&amp;si=ZKDHAVOD8f2f8H9C</a>
CHEMISTRY	Fritz Haber : Genius or Genocider	<a href="https://youtube.com/watch?v=CSL-MC6IUUg&amp;feature=share9">https://youtube.com/watch?v=CSL-MC6IUUg&amp;feature=share9</a>
ECCONOMICS	Milton Friedman : Economic Genius	<a href="https://youtube.com/watch?v=j5ywnzwR39w&amp;feature=share9">https://youtube.com/watch?v=j5ywnzwR39w&amp;feature=share9</a>
GEOGRAPHY	S.P. Chatterjee: Father of Indian Geography	<a href="https://youtu.be/1UcwA7IUu6c">https://youtu.be/1UcwA7IUu6c</a>
MATHEMATICS	Kurt Gödel :Unraveling the Mind	<a href="https://youtu.be/CvY63jUPQCg?si=P3RrCcaU3yjHK5Uc">https://youtu.be/CvY63jUPQCg?si=P3RrCcaU3yjHK5Uc</a>
PHYSICS	Homi J. Bhabha: Indian Nuclear Physicist	<a href="https://youtube.com/watch?v=Oc9OrnQZzPM&amp;feature=share9">https://youtube.com/watch?v=Oc9OrnQZzPM&amp;feature=share9</a>
ZOOLOGY	Gopal Chandra Bhattacharya : 1 <sup>st</sup> entomologist of India	<a href="https://youtu.be/vF_I7lKDsg">https://youtu.be/vF_I7lKDsg</a>



Page No.	Topic	Department
1	APPLICATION OF CRISPR/CAS9 TECHNOLOGY IN AGRICULTURE.	BY DEPARTMENT OF BOTANY
7	NANO-CHEMISTRY, A NEW ERA OF SCIENCE.	BY DEPARTMENT OF CHEMISTRY
26	THE APPLICATION OF RANDOMISED CONTROLLED TRIALS ON DEVELOPMENT ECONOMICS, RESEARCH AND POLICY MAKING.	BY DEPARTMENT OF ECONOMICS
36	QUANTITATIVE REVOLUTION AND ITS ADAPTATION IN GEOGRAPHY.	BY DEPARTMENT OF GEOGRAPHY
50	LEGACY OF A PROBLEM WHICH HAD REMAINED UNSOLVED FOR OVER 350 YEARS - FERMAT'S LAST THEOREM	BY DEPARTMENT OF MATHEMATICS
59	MAGLEV : WORLD'S FASTEST TRAIN	BY DEPARTMENT OF PHYSICS (PG)
63	UNRAVELING THE MYSTERIES OF BLACK HOLES : A JOURNEY INTO THE COSMIC ABYSS.	BY DEPARTMENT OF PHYSICS (UG)
67	GROWING INTO MORDERN MAN, HAVE WE COMPLETELY DISOWNED OUR PAST ?	BY DEPARTMENT OF ZOOLOGY

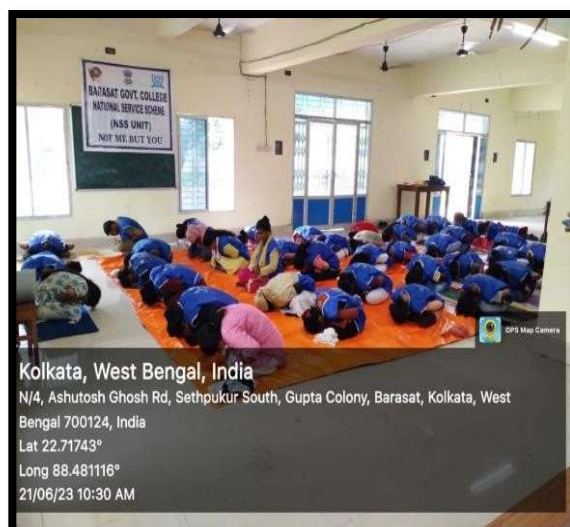
*"The important thing is not to stop questioning."*  
- Albert Einstein

**K. NSS ACTIVITIES FOR SOCIAL OUTREACH AND COMMUNITY SERVICES****Total Programs: 24**

<b>Date</b>	<b>Activity</b>
1 <sup>st</sup> to 15 <sup>th</sup> August 2022	Observed National Youth Day
12.08.2022	Campus Cleaning Programme on the occasion of International Youth Day
15.08.2022	Observed Independence Day
05.09.2022	Programme on felicitation of students and teachers by Hon'ble Chief Minister, Govt. of West Bengal
09.09.2022	Observed International Literacy Day
24.09.2022	Observed NSS Day
05.10.2022	Observed Swachh Kaal : Amrit Kaal
20.10.2022	'Lifestyle for the Environment Pledge'
27.10.2022	'Ekta Shrinkhala Campaign'
31.10.2022	Azadi ka Amrit Mohotsav: Fit India Freedom Run 3.0
10.11.2022	HIV Awareness Programme
10.11.2022	Tree Plantation Programme
02.12.2022	Clean Environment & Sustainability Swachh Bharat Mission Campaign
17 <sup>th</sup> to 23 <sup>rd</sup> Dec 2022	7 Day Special Camping Programme on 'Health, Family Welfare and Nutrition'
06.01.2023	Celebration of 'Students Week 2023'
12.01.2023	Observed National Youth Day
26.01.2023	Observed Republic Day



16.02.2023	Awareness Programme on 'Protection of Rights, Full Participation & Equal Opportunity of Specially Aabled'
10.03.2023	Observed International Women's Day (8 <sup>th</sup> March)
17.03.2023	Campus Cleaning Programme
27.03.2023	Blood Donation Camp
22.05.2023	Vivek Samhati Utsab - 2023
05.06.2023	Observed World Environment Day
21.06.2023	Observed International Day of Yoga





## L. STUDENTS ACADEMIC RECORD 2022-23

Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Physics	20	20	90%
Chemistry	18	13	
Zoology	25	17	
Botany	22	21	
Mathematics	30	30	
Geography	42	42	
Economics	17	16	
English	61	56	
Bengali	58	57	
Philosophy	67	46	
Political Science	53	53	
Sanskrit	27	22	
History	63	62	
<b>Total</b>	<b>503</b>	<b>455</b>	
B.A. General	290	242	81 %
B.Sc. Pure General	59	41	
B.Sc Bio General	13	9	
<b>Total</b>	<b>362</b>	<b>292</b>	
M.Sc. in Physics	15	15	100 %
M.Sc. in Botany	26	26	
M.Sc. in Zoology	24	24	
M.A. in Bengali	33	33	
<b>Total</b>	<b>98</b>	<b>98</b>	