Report on workshops/seminars (3.2.2) conducted by different Departments during the year (2022-23)

DEPARTMENT OF ZOOLOGY

Session: July,2022 – June,2023

Title of the Program 1 : Seminar as an awareness program on Worlds Zoonoses Day

Date of Program : August 23, 2022

Introduction : Dr Aritri Dutta, Grants Adviser, DBT/Welcome trust talked on Zoonotic diseases. Zoonoses are caused by harmful germs like viruses, bacterial, parasites, and fungi. These germs can cause many different types of illnesses in people and animals, ranging from mild to serious illness and even death. World Zoonoses Day is observed on July 6 every year to honour the very first vaccination that was administered for the zoonotic diseases. This day aims to educate, aware and communicate on the diseases that start in animals and can be transmitted to humans.

Brief report on the program: This year's theme, "One World, One Health: Prevent Zoonoses!" emphasizes the need to break the cycle of transmission to prevent future pandemics. The COVID-19 pandemic is a reminder of how zoonotic infectious disease can be a problem globally from one community.

Zoonosis is an infectious disease that can spread between species – from animals to humans or vice versa. According to World Health organisation, "Zoonotic pathogens may be bacterial, viral or parasitic, or may involve unconventional agents and can spread to humans through direct contact or through food, water or the environment. They represent a major public health problem around the world due to our close relationship with animals in agriculture, as companions and in the natural environment. Zoonoses can also cause disruptions in the production and trade of animal products for food and other uses.

Number of Participants =36

Video link (youtube):

Text file link in college portal (Flyers/report etc): https://bgc.ac.in/index.php?option=com_content&view=article&id=166&Itemid=0





Title of the Program 2 :	Seminar on research methodology to celebrate world		
cancer day			
Date of Program	:	16.02.2023	

Introduction : Dr. Amlan Ghosh of Presedency University talked on Environmental carcinogenesis in the context of arsenic toxicity and associated malignant conditions in West Bengal: an update. World Cancer Day is a global healthcare event for the awareness of cancer, which has been commemorated on February 4th of every year for the past 23 years (since 2000) with the aim of spreading awareness and educating people about its detection, treatment, and prevention.

Brief report on the program: There are many ways that people can advocate for awareness. One of the most effective ways is through education and spreading information about cancer prevention, screening, and treatment. This can be done through social media, public speaking engagements, or hosting informational events. Increasing cancer awareness in more deprived areas could help to reduce health inequalities and improve cancer outcomes. Having cancer awareness will give you the confidence to speak to a doctor if something doesn't feel normal to you, as spotting cancer early increases the chance of survival.

Moreover, arsenic induces nephrotoxicity and hepatotoxicity by increasing oxidative stress and apoptosis. Furthermore, arsenic exposure may cause carcinogenicity as it increases oxidative DNA damage and chromosomal aberration and interferes with cellular signaling pathways.

Number of Participants =58

Video link (youtube):

Text file link in college portal (Flyers/report etc): https://bgc.ac.in/index.php?option=com_content&view=article&id=166&Itemid=0





Title of the Program 3: Academic seminar on the research methodology related to field and laboratory environmental research, environmental sustainability on the occasion of World Environment Day

Date of Program: 16 June 2023

Introduction : Dr. Priyanka Halder Mallick, Associate Professor, Department of Zoology, Vidyasagar University, Paschim Medinipur delivered her lecture on "Preserving Paradise: Ecotourism as a Catalyst for Environmental Sustainability and the SDGs".

Brief report on the program:

Ecotourism helps in environmental protection, wildlife conservation, poverty alleviation and socioeconomic development. It affects environmental, social and economic components of the community and the whole country. The lecture focused on review of ecotourism researches throughout the world. It has both positive and negative impacts on environmental, social and economic aspects of the country. There is need of cooperation among different stakeholders, training of ecotourism to tourism entrepreneurs and appropriate management policy for sustainable implementation of ecotourism projects.

Number of Participants =41

Video link (youtube):

Text file link in college portal (Flyers/report etc): https://bgc.ac.in/index.php?option=com_content&view=article&id=166&Itemid=0





DEPARTMENT OF BOTANY

SESSION: JULY, 2022 – JUNE.2023

1. TITLE OF THE PROGRAMME: ONE DAY SEMINAR

DATE OF PROGRAMME : 6th May, 2023

INTRODUCTION: Seminars are organised periodically by PG Dept. of Botany, to draw the student's interest towards academic field, to improve their knowledge and understanding of the topic discussed in the seminar.

BRIEF REPORT OF THE PROGRAMME: A one day seminar on Plant Nomenclature was organised by PG Dept. of Botany in collaboration with IQAC, Barasat Govt. College. Professor Gour Gopal Maiti, Former Professor of University of Kalyani delivered lecture as a resource person. Both the students of UG and PG interacted with Professor Maiti and acquired knowledge on the topic.

2. TITLE OF THE PROGRAMME: INTERNATIONAL DAY FOR BIODIVERSITY CELEBRATION

DATE OF PROGRAMME: 22nd May, 2023

INTRODUCTION: International Day for Biodiversity was celebrated each year by PG Dept. of Botany in collaboration with IQAC, Barasat Govt. College to make the student aware to biodiversity as well as conservation of plants and animals with a view to save our earth.

BRIEF REPORT OF THE PROGRAMME: The PG Dept. of Botany, Barasat Govt. College organised a seminar on "Mangrove Biodiversity" by Professor Pratip Palit, Retired Principal Scientist, CRIJAF, Barrackpore on the International Day for Biodiversity. A wall magazine was also published on the topic Biodiversity on that very day and was inaugurated by Professor Palit. Both the students of UG and PG interacted with Professor Palit and acquired knowledge on the topic.

DEPARTMENT OF CHEMISTRY

Session: July,2022 - June,2023

Title of the Programme	:	Commemoration of National Science Day
Date of Programme	:	24 th February, 2023.

Introduction : Each year national science day is celebrated in the department with a seminar on popular science by by a renowned scientific personality.

Brief report on the programme (Different achievements and benefits of the programme) : Prof. Syamal Chakrabarti, Professor, Department of Chemistry, University of Calcutta spoke 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.

Video link (youtube):

Text file link in college portal (Flyers/report etc): <u>https://bgc.ac.in/pdf/webinar/BGC-CHEMISTRY-FLYER-20th-Feb-2023.pdf</u>





DEPARTMENT OF ECONOMICS

Session: July,2022 – June,2023

Programme I

 Title of the Programme :
 Seminar and Poster Competition to Celebrate World Population

 Day
 :
 12th & 13th July 2022

Introduction : Two day programme on the occasion of World Population Day has been organized by Department of Economics in collaboration with I.Q.A.C., Barasat Government College. On the first day a poster competition was held where students presented poster on themes like, (i) *Population and Environment*, (ii) *Population and Hygiene*, and (iii) *Population and Economics Growth*. The aim was to strengthen students' knowledge and awareness on demographic issues. On the 2nd day a State Level Seminar was orgainsed on the topic, '*Population-Some Critical Issues*'. The two esteemed resource persons delivered their lecture on key concepts of population studies and emerging issues on changing demographic structure of the population.

Brief report on the programme (Different achievements and benefits of the programme)

The 1st day of the programme started with inaugural lecture by Dr. Samar Chattopadhyay, Hon'ble Principal, Barasat Government College. The students got boost from the highly motivating speech by our respected I.Q.A.C. Coordinator, Dr. Abhijit De, Associate Professor, Dept. of Physics, and respected Secretary of Teachers' Council, Dr. Prabir Bhattacharyya, Associate Professor and HoD, Dept. of Chemistry, Barasat Government College. The **best part of the programme was the Poster Competition**. Students from various disciplines have participated in the poster competition with great enthusiasm. Through this attempt students learned about the major concerns regarding population growth, specially the detrimental impact of overpopulation on environment, economy and overall

planetary health. It proved to be a very creative and effective learning tool for them. The posters have articulated major demographic concerns very beautifully and exchanged their views. The Top 3 poster presenters have also been awarded.

On the 2nd day, a seminar was organized where the first speaker, Smt. Dola Chattopadhyay, Assistant Professor, Dept. of Economics, Barasat Government College, discussed about different demographic factors, the concept, measurement, and definition which strengthened students understanding on this subject. Also, performance of India in comparison to other developed and developing countries in terms of population parameters have been demonstrated with empirics with the aid of tabular and graphical illustrations. The 2nd lecture was given by Dr. Rupam Mukherjee, Assistant Professor, Dept. of Economics, Kabi Sukanta Mahavidyalaya. He discussed about the consequences of population aging. His deliberation touched upon many pivotal issues like, how this crisis will exacerbate in the future and to what extent this will disrupt and divert economic activities globally, what will be the key challenges etc. **Thus this seminar has benefitted the students immensely in understanding the population dynamics, major concerns over changing demographic structure and its impact in framing policies.** They have got a preliminary idea on Population Studies which is a leading branch of Economics and key focal point of research and encouraged many of them to specialise in this field in future. The Two-day programme ended with a vote of thanks given by Smt. Kaushiki Banerjee, Assistant Professor of Economics, Barasat Government College.

Video link (youtube): Day 1 link - https://www.youtube.com/watch?v=rlq3m4QIyj4

Day 2 Link - https://www.youtube.com/watch?v=G52sBfTbbXQ

Text file link in college portal (Flyers/report etc) :

Flyer Day 1 - https://bgc.ac.in/news/admin/uploads/cea5b_final_poster-2022.pdf

Flyer Day 2 - https://bgc.ac.in/pdf/webinar/seminar-flyer-08072022.pdf





Programme II

Title of the Programme :One-day Seminar on Exploring the Career Opportunities in DataScience

Date of Programme : 22nd September 2022

Introduction : The seminar was jointly organised by Department of Economics in collaboration with Career Counselling, Entry in Service & Placement Cell, and supported by I.Q.A.C., Barasat Government College. The purpose of this seminar was to aware students about data science and the high demand for data scientists in today's job market. The emphasis was on to give brief idea on Data science, which is an interdisciplinary academic field which focuses on **research methodology**, i.e starting from collection of data, preparing database, modelling and evaluating the data, deploying the suitable model to solve complex real world problems and to accomplish certain business goals in this competitive and fast changing world.

Brief report on the programme (Different achievements and benefits of the programme)

The seminar was highly demanded by the students as data science has tremendous potential for employment growth in modern competitive world which is very much data driven. The programme started with inaugural lecture by Dr. Samar Chattopadhyay, Hon'ble Principal, Barasat Government College. The importance of skill formation on youth is illustrated by our respected I.Q.A.C. Coordinator, Dr. Abhijit De, Associate Professor, Dept. of Physics, Barasat Government College. Then, our resource person, Mr. Kabindra Kundu, Executive Director, Handson School of Data Science, beautifully explained the types of data, methodology for pursuing research with both qualitative and quantitative data. Students from both Science and Humanities background have participated with immense interest. Through power point presentation he has lucidly and briefly explained how data science enable companies to efficiently analyse mammoth data from multiple sources and help companies in taking righteous decisions or framing appropriate policies to unlock utmost growth potential. He specifically emphasized on huge career opportunities for data scientists that exists on sectors like, marketing, healthcare, finance, banking, policy work, and many more and the importance to know research methodology to build successful career as data analyst. There was also a detailed discussion on the type of course, duration, course content. The entire session was very interactive. The session was very insightful and informative to the students in shaping their job skills. The seminar ended with a vote of thanks given by Dr. Rajnarayan Gupta, Associate Professor of Economics (& HoD), Barasat Government College.

Video link (youtube): <u>https://www.youtube.com/watch?v=3EYZm2c8uV8</u>

Text file link in college portal (Flyers/report etc) :

https://bgc.ac.in/news/admin/uploads/777a8_WhatsApp-Image-2022-09-15-at-15-43-38.pdf







Programme III

Title of the Programme :One Day Seminar on National Career Service Portal cum FreeCareer Enhancement Training

Introduction: The seminar was jointly organised by National Career Service Centre for SC & ST, Government of India and Department of Economics with support from Career Counselling, Entry in Service & Placement Cell, Barasat Government College. The seminar was conducted with the aim of providing skilful employment of the undergraduate students of the college.

Brief report on the programme (Different achievements and benefits of the programme)

In this seminar, the officers from National Career Service Centre, Kolkata Office, demonstrated various services, placement opportunities that are available in the National Career Service Portal. The deliberation started with discussing the registration procedure on the website, exploring different events, courses on skill development (both online & offline) and information on upcoming job vacancies throughout the country. Students got an idea of the nature and type of skills demanded by the employers in recent times. Besides their regular study, the seminar has typically helped students in collating information on job vacancies in various sectors throughout the country from this single portal. Also those who have attended the seminar, the centre will provide personalised guidance and career counselling to help students choose their optimal career choice at meagre cost. So this seminar has indeed opened plethora of opportunities in front of the undergraduate students of this college to increase their employability after graduation by developing appropriate skill with the help of this centre. The session ended with a vote of thanks given by Sri Dibyendu Sekhar Mahanty, Assistant Professor of Botany, Barasat Government College.

Video link (youtube):

Text file link in college portal (Flyers/report etc) : Geotagged images have been incorporated.

https://bgc.ac.in/pdf/activities/economics/Seminra%20on%20NationalCareer%20Service%20Portal.p df

Attach image files (Flyers, Geotag Images of the programme)

DEPARTMENT OF SANSKRIT

Session: July,2022 – June,2023

Title of the Programme	:	সংস্কৃতদিবস
Date of Programme	:	12th August, 2022

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Introduction

Sanskrit Day is celebrated every year across the country to spread awareness about Sanskrit, the oldest language of India.Sanskrit is the mother of allIndian languages. It is celebrated on the occasion of shravana purnima or Raksa Bandhan.

Brief report on the programme:

This year the Department of Sanskrit organized two programmes on this occasion, one online and the other offline. On 12th August Dr. Tamonash Chakraborty, Assistant Professorin Sanskrit, Taki Govt. College, delivered a talk on the importance of learning Sanskrit online. Departmental students chanted vedic mantra and performed dance on Sanskrit devotional song.

On 17th August Departmental students arrangeda cultural program to celebrate the Sanskrit Day. They recited Sanskrit poems and stotras, sang songs in Sanskrit, and staged a Sanskrit play named 'Chipitaka-charvanam' by Srijiva Nyayatirtha. Departmental teachers also took part in the function.

The main objective was to encourage and make the students familiar with the language and literature of this ancient language.

Video link (youtube): <u>https://youtu.be/d8kLQWING9k</u>





Title of the Programme	:	সদ্ভাবনাদিবস
Date of Programme	:	20th August, 2022

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Introduction

Sadbhavana Diwas is celebrated every year on 20th August to commemorate the birth anniversary of Late Prime Minister Rajiv Gandhi. The theme of Sadbhavana is to promote National integration and communal harmony among people of all religions, languages and regions.

Brief report on the programme:

This year the Department of Sanskrit organized twoprogrammes on this occasion, one online and the other offline. On 20th August, a short video created by our students with many views on Sadbhavana. Our Principal and teachers gave their valuable opinion in this connection. Students also took part in this program.

A seminar took place on 22nd August in this occasion. Sri Uttam Adhikary, Assistant Professor in Political Science, Barasat Govt. College and Sri Vivek Karmakar, Assistant Professor in Sanskrit, Scottish Church College, delivered their speech. Sri karmakar discussed what nationalism was in ancient India. Sri Adhikary expressed that Sadbhavana should be practiced in our daily life.

Students of all semesters took part in this seminar. They all were impressed by the lectures.

Video link (youtube): <u>https://youtu.be/bqg_SzalKkA</u>



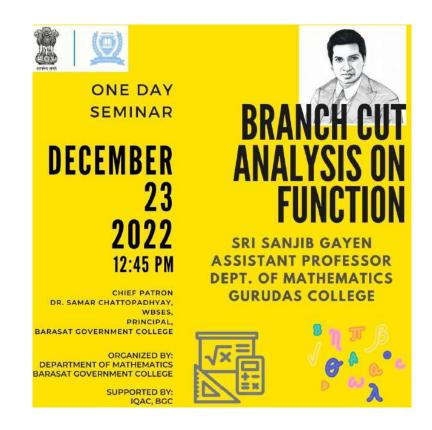
Glimpses of Sadbhavana Diwas Celebration

DEPT. OF MATHEMATICS

One- day seminar on branch cut analysis function by Dept. Of Mathematics was organized on 23.12.2022

Total participants were 65.

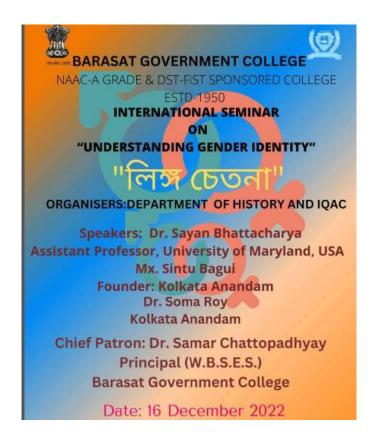
Link: https://bgc.ac.in/pdf/webinar/IMG-20221220-WA0000.pdf



DEPT. OF HISTORY

International-seminar-on-understanding-gender-identity by Dept. of History on 16 Dec. 2022. Gender awareness is necessary because no one is ever completely able to 'step outside' of the social and cultural processes that partly shape our identities, values and perceptions, but we can still develop ways of reflecting and ways of interrogating ourselves, and this is very important for group work.

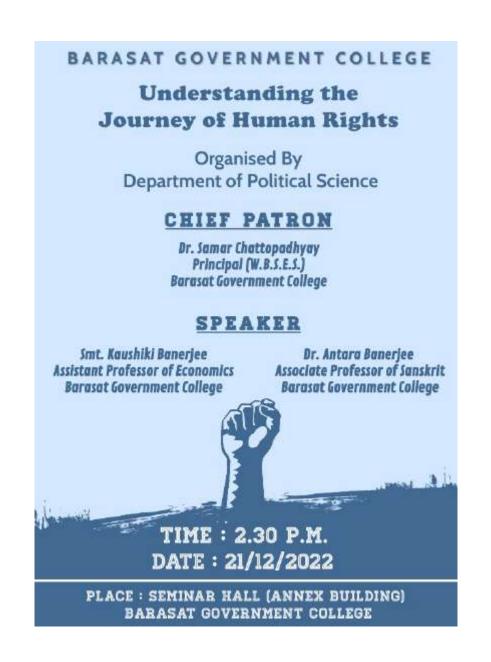
Link: https://bgc.ac.in/pdf/webinar/international-seminar-on-understanding-gender-identity.pdf



DEPT. OF POLITICAL SCIENCES

Seminar on understanding the journey of human right was organized by by Dept. Of Political Sciences on21 Dec. 2022. Human rights include the right to life and liberty, freedom from slavery and torture, freedom of opinion and expression, the right to work and education, and many more. Everyone is entitled to these rights, without discrimination. Human rights law obliges governments to do some things, and prevents them from doing others. Individuals also have responsibilities: in using their human rights, they must respect the rights of others. No government, group or individual person has the right to do anything that violates another's rights.

Link: https://bgc.ac.in/pdf/webinar/Human%20Rights%20Flyer.pdf



DEPARTMENT OF PHYSICS

Session: July,2022 – June,2023

Title of the Programme	:	A day with Physics
Date of Programme	:	6 th January, 2023

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Introduction

A seminar on "A day with Physics" was organised by the PG Dept of Physics, Barasat Govt College on occasion of superannuation of Mr. Prabir Kr Sen (Skilled Laboratory Bearer) of this Department. Mr. Prabir Kr Sen has spent a long time in the Physics Laboratory with full dedication. To remember his dedication to this Department, a seminar on recent research on some areas of Physics was organised.

Brief report on the programme:

Two invited speakers have participated in the seminar and explored their recent research activities. UG and PG students enjoyed the talk and get some ideas for their future research thinking. One speaker Dr. Prabir Mukherjee, Associate Professor, Dept. of Physics, Govt. College of Engineering & Textile Technology, Serampore, West Bengal delivered his talk on "Rotator phase transitions of the normal alkanes". Other speaker Suman Hazra, Ex-student of Dept of Physics, BGC (Presently doing research in Trinity College of Dublin, Ireland) delivered his talk on his recent research area "Application machine language on atomic and molecular system". Students are very much excited to listen a talk from their senior student of this Department. Dr Suman Hazra guided the present students about their future planning of research thought. More than 40 students (UG & PG) were participated in the program.





Geo-tagged picture of talk by Dr Prabir Mukherjee



Geo-tagged picture of talk by Dr Suman Hazra