



BETHUNE COLLEGE

181, Bidhan Sarani, Manicktala, Azad Hind Bag, Kolkata - 700006

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From Principal's D E S K

It an immense pleasure for me to write the foreword of the 2nd issue of our News Letter which was first published in the previous year, on 30th November 2020. This News Letter reflects achievement of the institution and we are determined to nurture it properly for our aspirations in the near future. We know, we are still far from commitments. But even in the pandemic situation, our students, faculty members and Non Teaching staffs are working relentlessly for the every sphere of development, be it in academic sphere, or at the arena of social service or yearly celebration of different events.

I express my heartfelt thanks to the convener and the members of the editorial board of the News Letter Committee for its timely publication in the 173rd foundation day of the esteemed Institution.

- Bethune College has secured 88th rank in NIRF ranking 2020 under College Category on 11-6-20. As per survey conducted by India Today 2021-22, Bethune College has secured 5th rank in the Eastern Region.
- College has secured 16th Rank according to Education World Rankings 2021-22 (Autonomous College Category)

College Publications :

- The college magazine "**Adiganta**" 2019-20 was released on 15-12-20. The issue is dedicated to Pandit Ishwar Chandra Vidyasagar to commemorate his 200th birth anniversary, consists of articles on his life and work. Edited by **Sri Sumanta Mukhopadhyay & Dr. Piyali Gupta**.
- The peer reviewed academic journal of Bethune College, **Heritage Vol. VI**, bearing ISSN No. 2349-9583 – was published on 15-12-20, mainly highlighting the importance of interdisciplinary research. **Dr. Dipayan Chattopadhyay** and **Dr. Debalina Banerjee** (Executive Editors), **Dr. Sudeshna Mitra** and **Dr. Samiran Ghosh** (Editors).
- A Report of Webinar Series (June 2020 to September 2020), a snapshot of the efforts taken by the faculty members to continue the process of knowledge accumulation and diffusion overcoming all constraints of the pandemic, was released on 15-12-2020. Report prepared by **Dr. Maitri Ghosh** and **Sri Sumanta Mukhopadhyay**.
- First Newsletter of the college (2019-20), initiated by **Prof. Krishna Roy**, Principal, Bethune College was released on 15-12-20.
- "Voices Beyond Silence: Issues and Insights" (ISBN No. 978-81-948279-2-4) – published by **SOPAN** and Women's Studies Centre, Bethune College, Kolkata, was released on 22-12-20. The book deals with pertinent issues related to women. Chief Editor–Prof. Krishna Roy, Editors–**Dr. Nilanjana Bagchi** and **Dr. Maitri Ghosh**.
- Proceedings of State level Seminar on (a) Career Counselling and Soft Skill Development (b) Environment: Issues for concern - published on 22-12-20.
- **AALAP 2020** – released on 22-12-20 deals with reminiscence of AALAP.

- e- Publications:** The digitized version of the peer reviewed journal of the college
- "Heritage", Vol. VII, was published on 31-03-21, formally released by **Prof. Pratap Chandra Roy**, Head, Department of Mathematics.
 - The Department of Statistics released an e-magazine containing students' writings on National Science Day, February 28, 2021.
 - "EPISTEME" the e-journal of the Department of Physics was published on National Science Day, February 28, 2021.
 - A departmental e-magazine titled "Aabhuday" was published by students of Semester 6, Department of Hindi on June 11, 2021.

ONLINE CLASSES : Owing to the prevalent pandemic of Covid-19, the College continued with online teaching-learning, examinations and evaluations. Live Streaming of video tutorials on Zoom/ Google meet/MTS/ Team-link/YouTube etc. was also relied upon to reach out to students more effectively. Tutorial classes were followed by interactive online sessions. Online tutorial and remedial classes were regularly held and study materials were uploaded in Google classrooms. GCR was used for examinations and evaluations. E-contents were made available on the College website.

BETHUNE COLLEGE COVID SQUAD

Amidst the second wave of the COVID-19 pandemic, the **Bethune College Covid Squad** was started as an initiative of Students' Activity Cell with roughly twelve students from Semesters four and six, on April 28, 2021, with the purpose of providing help to the families of the students and staff of our college. However, as the group expanded, it started to extend help to people from all over the state. Currently, the group consists of **60** student volunteers and has been able to help almost **150** people till date with all kinds of help, from oxygen cylinders and hospital beds to food facilities and RTPCR tests and a lot more.

ETHICS & VALUE EDUCATION COURSE

A 30 Hour-Certificate Course on **Ethics & Value Education** has been designed from the academic session 2020-2021, for the undergraduate students of Semester 1 and 2 of Bethune College, under the able supervision of **Prof. (Dr.) Krishna Roy**, Principal, Bethune College. This online course helps the students to awaken their consciences and enhance their abilities to do or not to do certain things in daily life. The internal members of the Ethics & Value Education Committee have organised a series of online



lectures based on a framed syllabus. The lectures were delivered by a panel of eminent speakers like the Principal of Bethune College, **Prof. Uday Maitra** from Indian Institute of Science, Bangalore, Faculty members from the University of Calcutta, Jadavpur University and Cyber security expert/ Advocate of High Court of Calcutta in addition to the esteemed faculty members of Bethune College. Each student was assessed on the basis of an online test, submission of dissertation and presentation through a seminar.



(New Arrival for Research) Perkin Elmer FTIR Model No. Spectrum-two was Installed In The Department of Chemistry On 19-04-21.

KANYASHREE

50 Fresh K1 applications [present 2nd semester students] and **118 K2 applications** [present 4th semester students] have been successfully processed. All these applications have "Sanction Finalized" as their status. Most of the applicants have received their grant amount.

DBT STAR COLLEGE SCHEME

In spite of the severe difficulties faced during the current situation, the five Departments, Physics, Mathematics, Chemistry, Zoology and Botany organized several workshops and webinars. Students submitted posters and projects maintaining covid protocol.

Department	Date	Workshop / Webinar	Speaker
Physics	04-05-21 & 05-05-21	Two day workshop on Simple Experiments Using Arduino for UG Students	Dr. Sandeep S. Ghugre , Scientist-H, UGC-DAE-CSR, Kolkata Center.
Mathematics	25-01-21 & 26-01-21	Introduction of Bio-Mathematics	Prof. Pratap Ch. Roy , Department of Mathematics, Bethune College, Kolkata. Dr. Samiran Ghosh , Department of Zoology, Bethune College, Kolkata. Dr. Debaparasad Pal , Department of Mathematics, Bethune College, Kolkata.
Chemistry	06-01-2021 22-05-2021 24-05-21 09-06-21	Biomimetics: Challenge to Chemists Workshop on Glimpses of Physical Chemistry Experiments at the 6th Sem & 4th Sem level of Calcutta University Organic Reactions In Water Synthetic Strategies in Chemistry	Prof. G. Mugesh , IISc. Bangalore. Prof. T. K. Paine , IACS, Kolkata. Dr. Sharmila Bhattacharya , Department of Chemistry, Vidyasagar College, Kolkata. Dr. Suchandra Biswas , Department of Chemistry, Bankim Sardar College, South 24 Parganas. Dr. Chandrakanta Bandyopadhyay , Department of Chemistry, Ramakrishna Mission Vivekananda Centenary College, Rahara, North 24 Parganas. Dr. Sanchita Goswami , Department of Chemistry, Calcutta University.
Botany	23-12-20 23-06-21 & 24-06-21	Workshop on Herbarium Techniques Virtual Workshop on Biostatistics	Conducted by Central National Herbarium & ENVIS Resource Partner on Biodiversity, Botanical Survey of India, Howrah. Dr. Paramita Nandy (Dutta) , Sister Nibedita Govt. General Degree College for Girls, Kolkata. Dr. Dipayan Chattopadhyay , Bethune College, Kolkata. Prof. Sabyasachi Bhattacharya , Agricultural and Ecological Research Unit, Indian Statistical Institute. Dr. Seemanti Ghosh , Bethune College, Kolkata.
Zoology	26-03-21 28-06-21, 29-06-21 & 30-06-21	<i>In Silico</i> approach for drug designing and discovery: An overview. Workshop on Bioinformatics	Smt. Shruti Mukherjee , Department of Biophysics, Bose Institute, Kolkata. Dr. Krishnendu Sinha , Department of Zoology, Jhargram Raj College. Swati Saha , Doctoral Fellow, University of Louisville, Kentucky, USA. Poulami Goswami , JRF, Department of Botany, Delhi University.

Other programs under DBT Star College Scheme

- **A Photography Contest** was organised by the Department of Botany, on the occasion of World Wildlife Day from March 3-31, 21.
- Awareness Program on "**Biodiversity: Conservation and Commitment**" was conducted by the students of UG Semester-V of the Department of Botany in the biodiversity rich places of their residential areas and college campus. The video was uploaded to YouTube on May 25, 2020.
- **Four poster presentations and ten review projects** on varied curriculum relevant topics were successfully completed by the students of the Department of Chemistry by March 2021.

TUESDAY LECTURE SERIES

Tuesday Lecture initiated by Prof. Krishna Roy, Principal, Bethune College, to encourage intellectual stimulation of teachers and pedagogic interaction amongst themselves continued to enrich the teaching community.

Lecture No.	Date	Topic	Speaker
9th	15-12-20	Sound of Gunshots and Smell of Gunpowder in Bengal Sky : 1857-1900	Dr. Anasua Datta
10th	26-01-21	Republic Day: Historical Perspective	Smt. Sanjukta Roy
11th	27-04-21	ভারতীয় ও তাঁর সিধু জাঠা	Dr. Samiran Ghosh
12th	25-05-21	Plant – Microbe Interactors : The good and the Diverse	Dr. Sritama Mukherjee
13th	28-06-21	সত্যজিত-এর বিজ্ঞান	Sri Sumanta Mukhopadhyay

WEBINARS

"Computer Applications of Chemistry at the Undergraduate Level & Food Safety and Control", a one day webinar was organized, by the Department of Chemistry in collaboration with Royal Society of Chemistry, on January 19, 2021.

Dr. Priyatosh Dutta, Associate Professor, Department of Chemistry, Anandamohan College, Kolkata and **Dr. Jagabandhu Chakrabarti**, Ex-Director, CFL, Kolkata were the esteemed speakers.



4th Sanghamitra Sanyal Memorial Lecture (Online) was Organised by the Department of Botany on April 10, 2021. **Dr. Subhasis Panda** (WBSSES), Principal, Government General Degree College, Chapra, Nadia spoke on "Sacred Groves: A hidden treasure Trove of herbal immunity booster to cure Covid-19 patients and need more local awareness for conservation before its extinction".

Webinars organised by IQAC / DVV Workshop on 21.04.2021

A training program of the faculty member of Bethune College was organised by IQAC on data validation process of NAAC the technicalities and modalities of data representation and different important aspects of DVV evaluation were discussed and teachers were trained in understanding the same. Some non teaching staff also present in this discussion. **Dr. Tilak Chatterjee**, Principal Bankim Sardar College and **Dr. Suchandra Biswas**, IQAC Coordinator, Bankim Sardar College, and **Sri Debashis Biswas** were the esteemed guests.

Bethune College Collaborated with Sister Nivedita University, Department of Hospitality and Tourism.



IQAC & IPR Cell Webinars

IQAC of Bethune College in collaboration with the Intellectual Property Right Cell of the college observed **World Creativity and Innovation Day on April 21, 2021** in which **Smt. Trisha Basak**, Reputed Author and Secretary, Kolkata Translators' Forum and Winner of Somen Chanda Smarak Samman (Pashchimbanga Bangla Akademi) and **Dr. Surajit Sarkar**, Department of Genetics, University of Delhi and Winner of Har Gobind Khurana Innovative Biotechnologist Award 2017 were the resource persons.

IQAC of Bethune College in collaboration with the Intellectual Property Right Cell of the college observed **World Book and Copyright Day on April 23, 2021** with a webinar in which **Sri Tridib Kumar Chattopadhyay**, author, editor and publisher & **Prof (Dr) Subir Kumar Roy**, Head, Dept of Law and Registrar, Bankura University were the resource persons.

The IQAC of Bethune College in collaboration with the Intellectual Property Right Cell of the college observed **World Intellectual Property Day** on April 26, 2021 with a webinar in which **Dr. Mohuya Hom Choudhury** Scientist, C Patent Information Centre, Kolkata West Bengal State Council of Science & Technology was the resource person.

AALAP

Aalap 2020 was inaugurated by the lighting of lamp and formal release of

four publications in the College premises on December 22, 2020. This was followed by a programme held on the virtual platform for the very first time from 5pm onwards. Since virtual *Aalaap* was a brand new endeavour, the entire fest was limited only to intra-college participation. Entries from events like Western Music, Eastern Music, Eastern Dance, Western Dance, Recitation and Rabindrasangeet were taken beforehand. After preliminary screening the best 15 entries from each event were sent to external judges. The results were announced during the event and their performances were showcased. The only live event of the fest was the Debate on the motion "Prisoners on death row or life imprisonment should be used for involuntary medical testing." The fest ended with two splendid performances, one folk and another A.R. Rahman tribute by the Bethune College Choir. Virtual barriers did not reduce the footfall of our fest, with almost **300** people joining via Zoom and more than **4300** views on YouTube. It was a very fun Aalaap and it embodied the new normal of virtual events in this pandemic.



REPUBLIC DAY

Republic Day was observed in the College premises. Principal **Prof. Krishna Roy** hoisted the National Flag in the presence of teaching and teaching supporting staff of the College. It was followed by the address of **Prof. Krishna Roy**, **Smt. Sanjukta Roy**, recitation by **Dr. Supriti Paul** and songs sung by **Dr. Chirantani Das**, **Smt. Arati Banerjee** and youngest attendee **Sanchari Sinha**.



BHASA DIBAS

An online programme on **International Mother Language Day** was organised by the Department of Botany on February 21, 2021.

International Mother language day was also celebrated online on February 22, by the Department of Hindi. A webinar was organised in which **Dr. Rajashree Shukla**, Head of the Department of Hindi, Calcutta University and **Maithili Poet** and writer **Kamlesh Premendra** were the esteemed speakers.



ANNUAL PRIZE DISTRIBUTION

The Annual Prize Distribution ceremony of Bethune college was conducted in the blended offline-online mode on February 27, 2021.



A select gathering of a few senior teachers, Heads of Departments / representatives of departments, committee members and only toppers of undergraduate examinations and recipients of five prestigious endowment medals of the college were invited to be present in the College Auditorium. **Sri Jawhar Sircar** was the Chief Guest and **Prof. Jayasri Ray Chaudhuri**, Director of Public Instruction was the Guest of Honour. **Sri. Debashis Biswas**, Inspector of Colleges, CU, Principal **Prof. Krishna Roy**, some former principals and alumni were among the other distinguished guests. **Dr. Sharmistha Mukhopadhyay**, (?) who was an alumni of this institution was felicitated with the Kadambini Ganguly Memorial Award. Prominent among other prize winners were **Madhumita Hazra**, Dept of Mathematics, who won the Principal's Medal for being the Highest Scorer in Science subjects, **Ritika Ghosh**, Dept of Economics, who won the **Papiya Dutta Roy** Award of Excellence in Social Science and **Piyali Seth**, Dept of Philosophy, who won the **Papiya Dutta Roy** Award of Excellence in Humanities and **Krittika Surolia**, Dept of Hindi, who won the **Nalini Das** Silver Medal for all-round excellence. All other prize winners attended the program

virtually and were requested to collect their prize from respective departments later.

NATIONAL SCIENCE DAY was celebrated in Bethune College on February 28, 2021.

An Intra-college Online Coding Competition was organised by the Department of Computer Science.

A webinar on **"Sprints and Hops – The Global Journey of a Mutant SARS-Cov-2 Coronavirus"** was organised under DBT Star College Scheme. **Eminent Scientist Prof. Partha P. Majumdar**, graced the occasion.

Department of Botany, under DBT Star College Scheme organised a program entitled **"Biodiversity: Conservation and Commitment"**



ONLINE YOGASANA COMPETITION

In view of the pandemic this year student participation in Sports was not possible. So an online Yogasana competition was organised. Ten students took part in the online Yogasana competition which was held on March 19, 2021. All the videos were sent to Honorable Judge **Dr. Malay Kumar Mukhopadhyay**, Joint DPI, Bikash Bhavan, Saltlake, Kolkata for judgment of ranks.



ANNUAL SPORTS

Annual sports was held on March 20, 2021 at Bethune College from 10.30am to 5pm. Only teaching and non-teaching staff took part in five events including Word Making, Memory Game, Table Tennis, Simplification and Cricket. Principal **Prof. Krishna Roy** inaugurated the Annual sports. The Guest of Honour, **Dr. Pintu Sil, OIC, State Institute of Physical Education for Women inaugurated the Gymnasium Bethune College** at Nivedita Prayer Hall.



COLLEGE SANITIZATION PROGRAM

was accomplished on May 05, 2021 by the college authorities. All departments and buildings including the Science and Arts Libraries were sanitized.



WORLD ENVIRONMENT DAY

June 5, 2021 was celebrated by the Student Activity Cell with a program entitled **"Revive and Survive: Conversations on World Environment Day"**, which included two Inter-college (in Photography and Upcycling) and one intra-college (Quiz) competition. A number of students

participated from various colleges. Students of different clubs also performed a Scene compilation event, Elocution on nature and a Group Dance.

The Department of Zoology in collaboration with IQAC organised a program which included a Survey on Ecological Awareness of the Population of West Bengal, a quiz, an essay writing competition, documentation of the faunal distribution of the locality of Bethune college, e-slogan writing, and a webinar

"Termite : Natural Recycler and Soil engineer of the Environment".

RABINDRA JAYANTI

The occasion was not observed with the fanfare that it is celebrated every year due to the raging pandemic situation in India at that moment. *Abelar Baithak* an online program was arranged on May 16, 2021 and a video was uploaded in the official YouTube channel of the Students' Activity Cell.

NSS ACTIVITIES

Several activities were undertaken by the NSS Unit of Bethune College.

- On 15-12-20, old clothes were donated to an orphanage (Nalta Arindam Welfare Society).
- On 18-02-21, a mini Book fair '*Boi Kotha Kao*' (umming Books) was arranged in the Centenary Hall of the College. Along with many booksellers and publishers from outside, NSS Unit Bethune College donated old and new books. Some stationery and food were also distributed to the street children on that day.
- On 05-03-21, an orphanage Nalta Arindam Welfare Society' was visited by the NSS Unit of Bethune College along with other faculty members. Food was distributed to the children residing there on behalf of the unit.
- "Take away one" : A program for distribution of old clothes to pavement dwellers was held in the College premises on 12-04-21.
- On 24-04-21, a workshop was organised jointly by the NSS unit of Bethune College and Bengal Bratachari Samity.
- On 04-06-21 **Dr. Lina Sen**, delivered a wonderful speech highlighting the importance of NSS activities for the students.
- On the occasion of World Environment Day, (05-06-21) posters (on environmental awareness) were made by the students of Bethune College. A web magazine *Sangbed* (on environmental issues) was also launched on that day. Students of the Department of History along with the NSS Unit of Bethune college, edited this volume.
- On 12-06-21, a webinar titled '*Bratachari – a Cultural Heritage of Bengal*' was organized in collaboration with the *Banglar Bratachari Samiti*. The programme had been initiated by **Sri Shiladitya Basu Ray**, WB, Chief Guest : **Prof. S. S. Sarkar** (V.C., NSOU) Special Secretary. Bethune College has been selected as the first college for such a venture. NSS Unit of Bethune College will conduct a certificate course on Bratachari for interested students.



Archives

Bethune College has a very old archive consisting of many rare documents on women education in colonial Bengal. In the month of February, the archival materials were shifted from the Arts library to the newly constructed Archive Building. Members of the Archive Committee along with the Librarian had rearranged the archival documents in a chronological order. Quotations were invited for requisite furniture, cleaning and cataloguing of the documents. Experts from West Bengal State Archive visited the College Archive in the month of March and they provided some valuable suggestions for the cataloguing and maintaining the archive.

Career Counselling Cell in collaboration with different departments organized webinars for the benefit of students. Majority of the resource persons were ex-students of Bethune College who went on to perform brilliantly in various competitive exams and currently hold prestigious positions.

Topic	Collaborating Department	Date	Resource persons
Our students : scaling new heights	Botany	30-03-21	1. Apaala Basak PhD student, University of Missouri 2. Debaparna Datta , Scientific Officer, Bhaba Atomic Research Center 10th Rank Holder, CSIR UGC NET Dec. 2018 3. Swarnali Dey , PhD student, University of Calcutta. 1st Rank Holder, CSIR UGC NET Dec. 2020
a) Career opportunities for graduates of humanities/ social sciences b) Career growth in workplace : Women vis-a-vis men	—	19-04-21	Dr. Rupa Majumder , Director & Editor, Dev Sahitya Kutir
How to prepare yourself for higher studies- I	Economics	24-04-21	1. Medha Chatterjee , Masters student, IGIDR, Mumbai 2. Bidisha Bhattacharya , Ex-research assistant in the Ministry of Parliamentary Affairs, GOI Ex- consultant to chairman, 15th Financial commission, 2019
Career opportunities in the field of computer science	Computer Science	25-04-21	1. Ritesh Prasad , Executive Officer, MHA 2. Soumi Sarkar , GATE and UGC-NET qualified
Preparation for research / higher studies in abroad	Zoology	05-05-21	1. Sayani Banerjee , M.Sc student, Regensburg University 2. Chandrima Das , District Entomologist, Hooghly, WB
Career opportunities in Sanskrit	Sanskrit	15-05-21	Kunal Kumar , Assistant Commissioner of Revenue, WB Revenue Service, Directorate of Commercial Taxes
A career conversation on instructional design	English	21-05-21	Keka De , Instructional Designer
Philosophy and beyond : future prospects and Services opportunities	Philosophy	10-06-21	1. Ms. Ayanika Chatterjee , Assistant Professor, Hooghly Mohsin College 2. Ivy Banerjee , Information Process Specialist, Tata Consultancy
Psychology and higher education: scope I Indian institutions	Psychology	11-06-21	1. Dr. Sucharita Maji , Assistant Professor, IIT Dhanbad 2. Sabnam Basu , SRF, IIT Kanpur 3. Debaparna Mukherjee , SRF, IIT Kanpur
Career opportunities in archival studies	History	11-06-21	Sumita Seal , Chief Archivist, Directorate of State Archives, WB
Statistics Students' Higher Study and Employment : India and Abroad	Statistics	26-06-21	Sweta Rai , Ph. D. student, Colorado School of Mines, USA Susmita Das , Business Analyst. Clear Tax India

On-Campus Recruitment Drives

Sl. No.	Company	No of applicants	Status
01	TATA Consultancy Services	131	Interview ongoing
02	COGNIZANT	49	Interview ongoing

PSYCHOLOGICAL COUNSELLING

Regular Psychological Tele Counselling is provided to students, teaching and teaching supporting staff of the college every day from 9 pm to 10 pm by an enthusiastic, experienced and skilled teacher, of the Department of Psychology. During the last one year, i.e., 2020-2021, the number of cases has increased drastically due to the insurgence of COVID 19, Post Aamphan trauma, lockdown etc. 90% of the clients have reported decline in emotional distress.

CAS

10 faculty members have been promoted under CAS. CAS of more teachers is awaiting final approval.

WOMEN'S STUDIES CENTRE

Dr. Nilanjana Bagchi is the Director of the Centre and faculties of various departments of the College are its members. Besides publishing a book entitled "Voices Beyond Silence: Issues and Insights" the centre has engaged itself in other programs relevant to the present scenario.

	Public Awareness Program (state level)	18-12-20	Discussion on Women's Health The Bengal Obstetric in association with and Gynaecological Society
	Webinar	25-3-21	"Amader Katha" (Our Narratives) An initiative to observe International Women's Day
	Essay writing competition for students	15-4-21	Relevance of studying Women's Studies in today's context "Our narratives"
	Poster making competition for students		

UNIVERSITY RESULTS

Even in this pandemic situation our students performed brilliantly in both Undergraduate and Postgraduate Examinations of the University.

Under Graduate

Stream	No. of Students		No. of students with SGPA above 7
	Appeared	Passed	
B. A. Sem 1	193	192	122
B. A. Sem 3	196	195	118
B. A. Sem 5	220	220	129

Stream	No. of Students		No. of students with SGPA above 9
	Appeared	Passed	
B. Sc. Sem 1	197	197	132
B. Sc. Sem 3	224	222	129
B. Sc. Sem 5	243	243	126

Post Graduate

Stream	No of Students		No. of students with SGPA above 6
	Appeared	Passed	
M. A. Sem 3	15	15	4

Stream	No of Students		No. of students with SGPA above 7
	Appeared	Passed	
M. Sc. Sem 1	56	55	32
M. Sc. Sem 3	25	25	24

- PG Semester I results of English, Bengali and Psychology have not been declared as yet.
- PG Semester III results of Bengali, Botany and Mathematics have not been declared as yet.

Activities organised by Students' Activity Cell

The first Newsletter of Bethune College Students' Committee under the Students 'Activity Cell' ox Nostra-Our Voice' VI. I, Issue I was published on 26.06.2021.

Date	Event	Club Activity	Resource Person
15-12-20	Formation of Bethune College Students' Committee		
07-05-21	Workshop 1 : Mock Debate	Quiz & Debate Club	Teachers-in-charge of the club
16-05-21	Obelar Baithak : Outreach programme by students	Literary Club & Cultural Club	
16-05-21	Workshop 2: Mixed Media & Sketching	Art & Craft Club	1) Pratyusha Chakraborty , Artist, Sharegrow and Doodles 2) Anubroto Maitra , Artist, Calcutta Spectrum
18-05-21	Workshop 3: Rabindrasangeet	Cultural Club	Dr. Kanya Sengupta , Asst. Professor, Deptt. of Philosophy, Bethune College
21-05-21	Workshop 4: Shrutinatak	Film & Drama Club	Dr. Chhandam Chakraborty , Asst. Professor, P.G. Deptt of Bengali, Bethune College
22-05-21	Workshop 5: Basics of Photography	Photography Club	Prof. Prabhas Krishna Sinha , Ex-lecturer of Photography, Deptt. of Mass Communication, St. Anthony's College, Shilong
23-05-21	Workshop 6: Eastern Dance	Cultural Club	1) Dishani Ghosh , B. Mus. in Kathak & Rabindranritya 2) Sampriti Sarkar , Trained in Kathak, Manipuri & Navanritya
01-06-21	Phire Dekha: Raja Rammohan Roy A discussion cum cultural programme and intra-college quiz	Quiz & Debate Club and Cultural Club	
02-06-21	Workshop 7: Creative Writing & Journalism	Literary Club	Mr. Sambit Basu , Sub-editor, Sangbad Pratidin
03-06-21	Workshop 8: Through the Looking Glass : Your Guide to Watch a Movie	Film & Drama Club	Dr. Piyali Gupta , Asst. Professor, P.G. Deptt. of English, Bethune College
04-06-21	Workshop 9: Water	Science & Environment Club	Dr. Supriti Paul , Asst. Professor, Deptt. of Chemistry
11-06-21	Workshop 10: Preliminaries of Debating	Quiz & Debate Club	Ms. Sanjukta Roy , Asst. Prof., Deptt. of Political Science, Bethune College
15-06-21	Intra-college Quiz Competition 2021	Quiz & Debate Club	

Special achievements of students

Sl.	Name & Dept.	Achievement
1.	Soumasree Mukherjee Dept. of English	Heldrich Dvorak Travel Fellowship Award for her paper presented at the 42nd International Conference of Southwest Popular/American Cultural Association Presented a paper titled "Reality of Unfelt Feelings: Exploring the Role of Postmemory in Reception" at 2nd International Interdisciplinary Conference on Post memory and the Contemporary World organized by Inmind Support, Gdansk, Poland.
2.	Esha Das , Dept. of English	1 st prize at 'Impulse' organised by Heramba Chandra College, Economics Department.
3.	Madhusree Das Dept. of English	1 st prize for International Creative Writing Competition by Heramba Chandra College (HCC), Department of Economics
4.	Bidisha Acharya , Dept. of English	3rd position in Melomania held by Artriq Foundation.
5.	Amita Hembram , Dept. of English	3rd position of the event SIYAAHI (English) of the SATRANGI' 21 organised by Heramba Chandra College, Department of Economics.
6.	Kirtika Surolia , Dept. of Hindi	Published two articles on "The mindful" website and three articles on "The Pleasant Dream" website
7.	Tamara Guin , Dept. of Sanskrit	Kala Visharad Final (6th) year painting award from Chitrangan, School of Art.

Sl.	Name & Dept.	Achievement
8.	Saheli Chakraborty , Dept. of Sanskrit	2nd position in the Rabindra Nritya category of online Inter College Cultural Competition, organized by Muralidhar Girls College.
9.	Manami Nandy , Dept. of Sanskrit	2nd prize in Dance in the Talent Search examination, at Suro Bharati Sangeet Kala Kendra.
10.	Anoushka Banerjee	Co-Author in the Anthology "The Enticing Scribbles".
11.	Deepshikha Kedia	Completed the Jurni Ambassador Program by The Jurni, London, United Kingdom.
12.	Shrestha Dasgupta , Dept. of Philosophy	3rd in dialogue writing competition – Tete-a-tete of Jadavpur University literary society.
13.	Roshni Mukherjee , Dept. of History	Best Paper in the Online National Conference organised by the Indian Council for Historical Research.
14.	Tiyasha Bose , Dept. of History	Best Photographer of the year in the Penholics Annual Awards.
15.	Ayantika Mishra , Dept. of History	Best Public Relations Representative in the Penholics Annual Awards/
16.	Srijoni Das , Dept. of History	Published articles in the magazine Saptadinga and Bhorer Baarta.
17.	Deblina Adhikari , Dept. of Chemistry	1st Prize in "ADvertiz" of SATRANGI, 21 organized by Heramba Chandra College.
18.	Sunetra Das , Dept. of Chemistry	2nd Prize in Creative writing "SIYAAHI" (Bengali) of SATRANGI, 21 organized by Heramba Chandra College.
19.	Rishita Sengupta , Dept. of Comp. Sc.	2nd position in 'Build Your Bits' organized by Department of Physics, St. Xavier's College.
20.	Shalini Majumdar , Dept. of Zoology	3rd position in Envitiative, organised by University of Business School, Chandigarh.
21.	Ananya Misra , Dept. of Zoology	3rd position in Inter College Singing Competition organised by Heramba Chandra College.

TEACHERS' ACHIEVEMENTS: Faculty Members of Humanities

- Dr. Anindita Datta** edited a book as a co-editor with Shantanu Ghosh, entitled "Atmohatya Kathokata" (A Collection of Bengali Essays), Ebong Mushayera, Kolkata, January, 2021, ISBN-978-81-945120-6-6.
- Sohini Bhattacharya** published articles "Bishnu Paler Manasamangol: Polli Kobir Abhinabatwa", Abhijatri Feri, A Peer Reviewed UGC enlisted research journal, Ed. by Dr. Achintya Biswas, ISSN 2231-2862, December, 2020, "Dharmaraj O Shunya Puran: Ekti Oitihashik Ruprekha", Antorjatik Pathshala (July-Dec, 2020), A Peer Reviewed E-journal, Ed. by **Dr. Amit Roy**, ISSN 2230-9594, and "Nagna Hoye Jabar aage: Ekti Antorborti Path", Dibaratrir Kabya, UGC enlisted Journal, ISSN 2229-5763, January, 2021 and also presented a Research paper on "Niranjoner Ushma: Analokito Abhinibesh" at a Seminar for Research Scholar, sponsored by UGC DRS-SAP, phase-II, in the Department of Bengali, Jadavpur University, on 26-03-21.
- Dr. Anwesha Khan** wrote an article "Sahityeo Jini Shilpi" in the special issue "Aban Thakur 150" of Masik Krittibas in April, 2021, Vol-04, Issue-05, pg. 34-40.
- Dr. Anwesha Khan** spoke on "Vandemataram Ebong Bankimchandra" in a webinar on Bankimchandra Chattyopadhyay, organized by Sahitya Akademi on 18-02-21.
- Dr. Piyali Gupta** contributed a chapter titled "Negotiating the wily ways of the World: Tarasundari Dasi's engagement with the theatre and world of Nineteenth Century Bengal" in *Voices Beyond Silence: Issues and Insights*, 2020 published by Sopan and Women Studies Centre, Bethune College.
- Dr. Ranjana Sharma** published books on Bangala folksongs titled "Bangala Lokgeeton Ka Samajshastra" on January 2021, collection of poems titled "Ped Karte Hain Intazar" (collection of Poems) in February 2021.
- Dr. Amrita Bagchi** published articles titled "Medicalisation of Diseases: A Crisis in the Domain of Social Health", in the journal of *Science and Culture*, Vol 86/No 11-12, November-December, 2020, ISSN 0036-8156, pp. 357-361 and titled "The Developmental Phase of Private Health Care Sector: History of Nursing Homes in the Early Years after Independence in Kolkata", in the Peer Reviewed Journal 'Heritage', Vol VII, PP 12-22, December 2020, ISSN 2349-9583
- Dr. Sudeshna Mitra** published papers "Philosophy in the Dominion of Artificial Intelligence" in Seminar proceedings of One Day State Level Seminar on Career Counselling and Soft Skill Development, organized by Bethune College, Funded by Department of Higher Education, Govt. of West Bengal on 23rd December, 2020 and "Global Religion and Universal Ethics" in *Heritage*, Vol-VI, Peer Reviewed Journal, Bethune College, ISSN No- 2349-9583.
- Dr. Kanya Sengupta** published a paper "A Critical Probe into Post Modernism" in *Heritage*, Vol-VI Peer Reviewed Journal, Bethune College, ISSN No. 2349-9583.
- Saswati Ray** published a paper "Comparative Study about Proper Name: Frege-Mill- Russell" in *Heritage*, Vol-VI, Peer Reviewed Journal, Bethune College, ISSN No. 2349-9583 and wrote articles "Some Key Doctrines on Environmental Ethics" in Seminar proceedings of One Day State Level Seminar on 'Environment: Issues for concern', organized by Bethune College, published on 23rd December, 2020, and "Career Prospects after graduation with Philosophy Honours" in Seminar proceedings of One Day State Level Seminar on "Career Counselling and Soft Skill Development", organized by Bethune College, published on 23rd December, 2020.

Faculty Members of Science:

- Laha Set. al.** (2021) In silico and expression analysis of $\Delta 1$ -pyrroline-5-carboxylate synthetase in rice seedlings under NaCl stress, *Research Journal of Biotechnology*, Vol.16(5).
- Mukherjee S and Chattopadhyay Det. al.** (2021) A salt-tolerant chloroplasticFBPase from *Oryza coarctata* confers improved photosynthesis with higher yield and multi-stress tolerance to indica rice, *Plant Cell, Tissue and Organ Culture (PCTOC)* <https://doi.org/10.1007/s11240-021-02026-1>
- Banerjee S.** (2020) 'Competitive examination in chemistry and career opportunities' in a proceeding organized by Bethune College, Kolkata.
- Karmakar S.** (2021) "A mild synthesis of substituted pyrazoles from one-pot three component reaction of simple starting materials" - *Res. J. Chem. Environ.*, Vol. 25 (5), 166-169 (E-ISSN: 2278 - 4527).
- S. Ganguly. et. al.** (2021) Octupole correlation in 127 I- S. Kumar, A. Kumar, R.P. Singh, S. Muralithar ; *International Journal of Modern Physics E* Vol. 23 Page 51.
- Bagchi N, Basu D and Sen S.** (2021) "Emergence of Self As Portrayed By Rabindranath Tagore Through His Female Characters: A Closer Perspective" - Publications include full papers in Conference Proceeding of a symposium of the ICSSR Sponsored and RCI Accredited *Three-day National Conference on "Entitlement, Equality and Mental Health: Contemporary Psychosocial Perspectives"* organized by Department of Applied Psychology, Kazi Nazrul University, Asansol, West Bengal, India.
- Banerjee D.** (2021) "In Search of Meaning of Life through the vision of Hijra Community; Publications include full papers in Conference Proceeding of a symposium of the ICSSR Sponsored and RCI Accredited *Three-day National Conference on "Entitlement, Equality and Mental Health: Contemporary Psychosocial Perspectives"* organized by Department of Applied Psychology, Kazi Nazrul University, Asansol, West Bengal, India.
- Chandra, S.** (2020) Optimal Inventory Policy and Optimal Price Discount on Backorders under Ramp Type Demand Environment, *Insights into Economics and Management* Vol. 4, 48-57, Book Publisher International (chapter in edited book) (Print ISBN: 978-93-90516-42-1, eBook ISBN: 978-93-90516-45-2).
- Chandra, S.** (2021) Two Warehouse Inventory Model for Deteriorating Items with Ramp Type Demand and Price Discount on Backorders, *Journal of Scientific Research*, 13 (2), 455-465.
- Chandra, S.** (2021): Optimal Ordering Policy For Seasonal Products/Newly Launched Fashion Items Under Periodic Review, *Current Approaches in Science and Technology Research* Vol.1, Book Publisher International (chapter in edited book) (Print ISBN Number: 978-93-90149-96-4, EISBN Number: 978-93-90149-97-1).
- Misra, TK.** (2020). **A report on the study of zooplanktons of Mirik Lake in Eastern Himalayan biodiversity hotspot, Darjeeling India.** *International Research Journal of Basic and Applied Sciences* ISSN: 2455-6718RNI: WBENG/2016/76189, Vol. 5.
- Raha, P. & Ghosh, S. et. al.** (2020) Ammonia induced Astrocyte swelling in *Channa punctatus*. *Heritage*: VII, pp.107-110.

13. Raha, P. (2020) Change in activity of Ornithine-Urea cycle enzymes in *Channa punctatus* under hyperammonia stress. *Heritage*, Vol. VII: 96-100.
14. Ammonia induced astrocyte swelling in *Channa punctatus* – P. Roy Chaudhury, P. Raha and S. Ghosh, *Heritage*: VII, pp. 107-110 (2020).
15. Datta S. (2020) Prevalence of Paramphistomosis in and around Santiniketan, Birbhum, West Bengal, *Heritage*, Volume VII, ISSN 2349-9583.
16. Saha HK. et. al. (2020) Effect of sublethal doses of Cypermethrin on the haemocytes of *Periplaneta americana* (Dictyoptera: Blattidae). *Heritage*, Vol. VII: 82-90.
17. Saha HK. et. al. (2020) Seasonal pattern and Species composition of ants "Hymenoptera:Formicidae" in and around Serampore, Hoogly, West Bengal. *Entomology and Applied Science Letters* 7(4): 83-88.
18. Saha HK. (2021) Review the relationship between reproductive cycle and ecosystem management of acridids. *International Journal of Entomology Research* 6 (1): 22-26.
19. Chakrabarti A. et. al. (2020) Shrimp cultivation and the prospect of household earnings in a village of Sunderban. *Heritage*: Vol. VII: 101-106
20. Chatterjee S. et. al. (2020) Avian diversity in pond ecosystems. *Heritage*, Vol. VII. : 68-81.
21. Ray PC (2021) "Prediction of Amplitude and Timing of Solar Cycle 25", *Solar Phys*, <https://doi.org/10.1007/s11207-021-01791-8>.
22. Basu S. (2020) "An abstract and generalized approach to Vitali's theorem on nonmeasurable sets", *Math Bohemica*, Vol. 145 (2020), pp.65-70.
23. Pal R. (2020) "Asian influences on Renaissance Mathematics", *Indian Science Cruiser*, Vol. 34 pp.35-39.
24. Pal D. (2021) "Balanced harvesting in two predators one prey system", *Journal of Applied Mathematics and Computing*, Vol. pp.1-23.
25. Chattaraj B. (2020) "Computation of truth values of Hypothetical Syllogism rule for Quasi-Linguistic truth valued propositions and its application in taking decisions in Health care". Proceedings of 14th International Conference of IMBIC on MSAST, Vol. 9, pp. 63-66.
26. Paul S. et. al. (2020) "Many facets of reactions of thiocyanate anions with bare and complexed copper (II) ions", *Heritage*, Vol. VII: 63-67.
27. Pal D. et. al. (2020) "Crime against Women in India: A State-Level Analysis"; *Journal of International Women's Studies (JIWS)*; Vol. 22, Issue 5; ISSN 1539-8706.
28. Pal D. Is There Any Relationship Between Output Growth and Export Growth in Indian Information Technology Industry After Liberalization? Sikdar, Soumyen, Das, Ramesh Chandra, Bhattacharyya, Rajib (Eds.), "Role of IT- ITES in Economic Development of Asia, Issues of Growth, Sustainability and Governance", Springer Nature, Print ISBN 978-981-15-4205-3, Online ISBN 978-981-15-4206-0, pp. 27-35.
29. Pal D. Analysis of Causality between Wage and Productivity in Food and Beverage Industry in India; Prof. Mihir Kumar Pal (Eds.), "Productivity Growth in the Manufacturing Sector: Mitigating Global Recession", Emerald Publishing Limited, UK; ISBN: 9781800710955
30. Ray S. et. al. (2021) Agronomic Advancement of Rice: A Review. *Heritage*, Vol VII: 47-62.
31. Mukherjee S, Ray S, Ghosh S. and Sinha Ray D. (2020) Women and Nature interface in Voices beyond silence: issues and insights, Bethune College publication, (ISBN: 978-81-948279-2-4)
32. Ray S. (2020) Career prospects after specializing in Botany in Proceedings of one day state level seminar on career counselling and soft skill development, Bethune College, pp 58.
33. Ray S, Das A, Ghosh S. et. al. (2020) Increased carbon footprint: a review in Proceedings of seminar on Environment: Issues for concern, pp. 58-61, held on 24th Feb, 2020, Bethune College.
34. Laha S. (2020) Arsenic pollution: human health concern, pg:64, in Proceedings of State level Seminar on Environment: Issues for concern held on 24th Feb, 2020, Bethune College.
35. Mukherjee S. (2020) Ocean acidification in Proceedings of State level Seminar on Environment: Issues for concern, pg: 44-48, held on 24th Feb, 2020, Bethune College.
36. Dr. Ashok Kumar Das acted as a Chair person in a webinar "The World of Plants: Its impact on indigenous people, society and biosphere" and also delivered an invited lecture on "Current trends in plant disease management" organized by Department of Botany, Govt. General Degree College, Mohanpur, Paschim Medinipur, held on 18th & 19th November, 2020.



Basement of the College Administrative Building was renovated and assigned as the storage room. All the departments have been assigned designated places for their use.

ACADEMIC CONTRIBUTION OF PROF. KRISHNA ROY, PRINCIPAL

A. Publications:

1. Unheard Voices: A Panoramic view of lifestyle diseases and occupational health hazards of women in India. *In Voices Beyond Silence: Issues and Insights*, Ed: N. Bagchi and M. Ghosh, published by Bethune College and Sopan, Kolkata, Nov. 2020, p 3-10. ISBN: 978-81-948279-2-4.
2. Alzheimer's Disease: Are Women More Susceptible? *Heritage*, Vol. VI, (Dec. 2019) 2019-2020, p: 166-172 ISSN 2349-9583
3. Osteoporosis at a Glance: A General Awareness of the Disease., *Heritage*, Vol. VII, Dec. 2020, p 1-11. ISSN 2349-9583.
4. Matilda Effect and those Unsung Women Scientists, Newsletter : Journal of Women Studies Centre, Lady Brabourne College, Vol. 11, 2021, p 78-84. ISSN : 2395-4299
5. Self Confidence, Neurohormone and Diet, *In Proceedings of One day State level Seminar on Career Counselling and Soft Skill Development*, held on 19th February 2020. p. 20-21.
6. Effect of Environmental Factors on Human Sleep, *In Proceedings of One day State level Seminar on Environment: Issues and Concerns*, held on 24th February 2020. p. 20-21.

B. Talks and lectures:

1. Acted as resource person for Ethics & Value Education 30 Hours Certificate Course (For UG Sem1 & Sem2 students) Session-2020-21 on 10-02-21, on "Introduction to Values and Ethics: An Indian Perspective"
2. Acted as resource person in Faculty Improvement Programmes (FIP-01) organized by UGC HRDC, under Calcutta University, on **05-03-21**: (Topic of Discussions: Role of Teachers in HE Department, Rules and Regulations of Teachers under Career Advancement Scheme (UGC Regulations 2016)
3. Acted as resource person in Faculty Improvement Programmes (FIP-04) organized by UGC HRDC, under Calcutta University, on **06-03-21**: (Topic of Discussions: Service matters of College and University Teachers with special emphasis on promotion under CAS under UGC Regulations 2016)
4. Acted as resource person in Faculty Improvement Programmes (FIP-02) organized by UGC HRDC, under Calcutta University, on **17.03.2021**: (Topic of Discussions: Role of Teachers in HE Department, Service matters, Duties and Responsibilities.)
5. Acted as resource person in Faculty Improvement Programmes (FIP-03) organized by UGC HRDC, under Calcutta University, on **22-03-21**: (Topic of Discussions: Promotion, Service matters and Issues in Higher Education)
6. Acted as Resource Person on "An Introduction to Brain, Mind and Human Consciousness" for six days in the month of February to April 2021, in the Certificate Course on "Consciousness Studies and Self Awareness: Modern Sciences and Ancient Indian Science", organized by **Kaivalyadhama, Lonavala and ARCIS, Kolkata (Academy Of Research For Cultivation Of Indian Sciences)** on 06-02-21, 07-02-21, 27-03-21, 28-03-21, 04-04-21 and 14-04-21.
7. Acted as Resource person in National Webinar on Celebrating International Women's day 2021: on "Women Empowerment and Achievement In leadership", organized by Internal Complaints Committee, Netaji subhas Open University, Kolkata, India, on 25-03-21.

C. Book Published: Biography of **Rosalind Franklin** (in Bengali), by **Grontho Tirtha**, Kolkata. April 2021. ISBN: 978-81-7572-404-4

Newsletter Committee

Convenor : Dr. Amita Kar
 Co-convenors : Dr. Satarupa Bandyopadhyay, Dr. Sourav Ganguly
 Members : Dr. Sulakshana Karmakar, Dr. Piyali Gupta, Dr. Suchandra Chowdhury, Dr. Smita Roy, Dr. Amrita Bagchi, Dr. Saswati Laha, Mandira Mitra, Smt. Sanjukta Roy, Smt. Srijani Maitra