



# Department of Pure Mathematics PROSPECTUS 2025-26

According to choice Based Credit system

## BANGABASI EVENING COLLEGE

**(NAAC RE-CCREDITED B++ in February, 2025, 3<sup>rd</sup> Cycle CGPA 2.82)**

19, Rajkumar Chakraborty Sarani Kolkata -  
700 009



## Preface

Post Graduate Department of Mathematics welcome to our glorious institution Bangabasi Evening College (NAAC re-accredited as B++), which is located at 19, Rajkumar Chakraborty Sarani, Kolkata - 700009. The historical institution, Bangabasi College emerged from Bangabasi School, founded by Acharya Girish Chandra Bose in 1885 in a rented house at Bowbazar Street with just 6 teachers and 12 students. The College shifted to its present building in the year 1903. The College derived its name from the then patriotic newspaper, 'Bangabasi'. The College is located in the vicinity of Sealdah Station in Central Kolkata giving easy access to students coming from rural, semi-urban and urban areas. Bangabasi Evening College was originally an integral part of Bangabasi College, which was founded by the great educationist and philanthropist Acharya Girish Chandra Bose. By leaving aside the lucrative job he took upon himself the tough job of educating his poor, illiterate



Dr Sanjib Chattopadhyay, Principal

'Bangabasi College' (1887 AD.), with the sole objective of promoting the cause of education in Bengal during the nineteenth century Renaissance in India. After the independence of India in 1947 A.D. there was an influx of young talents from the then East Bengal (now Bangladesh) and elsewhere. In order to accommodate them as well as to ease the tremendous pressure of admission to the College three new shifts like Morning, Evening and Commerce had to be opened. Bangabasi Evening section was founded by Sri Prasanta Kumar Bose, the noted educationist of Bengal and the illustrious son of Acharya Girish Chandra Bose in 1940 for the needy working students. In 1944 he introduced the Arts and Science faculties in the Evening section.

Through the introduction of the 'Phase Reduction Scheme' of the University Grants Commission the separate existence of Bangabasi Evening College was officially recognized on 11 April, 1965 under a separate Governing Body. It is located at the heart of the megacity Kolkata. It is surrounded by 4 major roads of Kolkata, namely, Acharya Prafulla Chandra Road at the East side, Raja Rammohan Sarani at the West, Mahatma Gandhi Road at the North and at the South side Bipin Bihari Ganguly Street is located. Bangabasi Evening College is a renowned educational institution with rich cultural tradition in its background. The College spreads its academic umbrella in various new directions to accommodate, nurture and stimulate the mediocre as well as bright students of the cross section of the society. To give a systematic account of the various achievements of the College. During its journey of 54 years, Bangabasi Evening College has encouraged the vision of distinction through continuous improvement of the teaching learning process helped by research and all other academic pursuits. The college is proud of its students who emerge as achievers in diverse spheres in spite of limitations. The relationship between teachers and students is one of our greatest strengths. The teachers are totally dedicated to the interest of students motivating them to do their best in their chosen fields. With generous help and encouragement of the Governing Body, administrative and financial assistance from the Department of Higher Education, Government of West Bengal and constant cooperation from all the stakeholders, Bangabasi Evening College has been playing a major role in contributing to the cause of weaker and poorer sections in the country, producing empowered and enlightened individuals.

### **ABOUT THE DEPARTMENT OF PG MATHEMATICS**

It is appropriate to consider how it has grown in terms of teaching, research, infrastructure and administrative improvements. The College has reached its high level of excellence due to the dedicated team work of the teaching, administrative, assisting staff members, also getting support and encouragement from the Governing Body and above all administrative and financial support from the Government of West Bengal. To commemorate the glorious past, the committee resolved that a valuable volume would be published highlighting every aspect and achievement of the institution. Prof. Prasanta Kumar Bose, the illustrious son of Acharya Girish Chandra Bose was the founder Principal of Bangabasi Evening College. Bangabasi Evening College has introduced Post Graduate Department of Mathematics from 2015-2016 session, as a regular course in M.Sc under University of Calcutta. There are many opportunities for students to work with our faculty to improve their quality of learning. Our permanent and guest faculty members are amply efficient and also affectionate in solving the problems of the students. Many teachers are engaged in active research funded by UGC and DST research projects in specialized areas. PhD works are also performed here in Mathematics Department. Some UGC and DST seminars have recently been organized in Mathematics department. The department of Mathematics started teaching its Post Graduate Course from 2015 with academic autonomy under University of Calcutta (Self Financing Basis), with constant encouragement and support

from present Principal Dr. Sanjib Chattopadhyay. The CBCS syllabus of this course was specially designed by University of Calcutta in 2018. Well known and reputed teachers have delivered lectures and taught for the PG course.



Undoubtedly it is true that the total system of education has been interposed after the declaration of Lock-down phase to prevent COVID 19 in the year of 2020. During the lockdown phase regular classes were taken by the teacher through college website. Several National and International Webinar lectures were organized by the college. There was a persistent notion or obsession that education is never possible

without chalk and talk, though now we are travelling upon the ground of hard reality that uninterrupted classroom education of so many people in our country according to demand and supply would never be



possible, especially in case of natural calamity prone areas or in contagious disease prevalent areas. We would have to choice between Conventionalism and Activism, which one would be more suitable for us. Conventionalism means classroom education and activism means modern system of e-learning. Every idea has got its own limitations. We must conclude that no one is self-sufficient, one has to depend on others. The combination of both will

make the education system more meaningful.

PG Math Department in collaboration with Gurudas College has organized a two days international webinar from 22.6.20 to 23.6.20. Dr. Neil Hindman, Emeritus Professor of Mathematics, Harvard University, delivered lecture on Topology and its interaction with other fields of Mathematics (on Stone-Čech compactification). Prof Atasi Debray, Dept of Pure Math, CU and Dr Supriya Mukherjee, HoD, Dept. of Mathematics, Gurudas college along with students and teachers of both the colleges were present in the webinar. Also, Prof. M. AKBARI TOOTKABONI, Professor, Department of Pure Mathematics, UNIVERSITY OF GUILAN, RASHT, IRAN, delivered lecture on the same broad topic (on "ULTRAFILTERS ON  $\sigma$ -ALGEBRA").

DST Sponsored Seminar of PG Pure Mathematics, 2016



## UNIVERSITY OF CALCUTTA P.G. Admission Notice 2025 – 2026

Faculty of Science, Technology, Agriculture and Home science Course

Website: [www.caluniv-ucsta.net](http://www.caluniv-ucsta.net)

or [www.caluniv.ac.in](http://www.caluniv.ac.in)

Applications are invited for Centralized Admission to the Post Graduate Courses in the University Departments and PG Courses in affiliated Under-Graduate Colleges other than Autonomous Colleges of this University as stated below to be held from the academic session 2025-2026 into the following Post Graduate Courses under above faculties from the 3 Year B.Sc./B.A. Hons. or its equivalent Graduates of University of Calcutta and Autonomous Colleges and Other universities graduating not earlier than 2024.

**Candidate who appeared final year/ semester examination and waiting for result are also eligible to apply with a condition that they have to produce their mark sheet before the generation of merit list. ☒**

**Faculty of Science, University of Calcutta Science:**

**2 YEAR M.SC. / M.A. COURSES BEARING SL. NO. 01 TO 27 ARE OFFERED BY THE DEPARTMENTS.** UNIVERSITY OF CALCUTTA (in-house Courses) Apply for Pure Mathematics (PMCU) in Bangabasi Evening College (PMBE)

Details: INFORMATION BROCHURE in University Admission Portal For Date, Time & Venue: ADMISSION SCHEDULE in University Admission Portal For Lists & Corrigendum (if any): See University Admission Portal Submission of Application only through online.

Visit [www.caluniv.ac.in](http://www.caluniv.ac.in) or [www.caluniv-ucsta.net](http://www.caluniv-ucsta.net)

Secretary UCSTA, C.U. Email: [cquadmissionmscbtech@gmail.com](mailto:cquadmissionmscbtech@gmail.com) HELP DESK MOBILE NO.: ☒ 9062356574 / 7890712434 / 8981857061 / 8274991985 / 8585842324 (C.U. Rajabazar Sc. College Campus including V.L. College Campus) (10:30 AM to 05:30 PM Monday to Saturday) ☒ 9903834287 / 7890733985/8697470469 (C.U. Ballygunge Sc. College Campus) (10:30 AM to 05:30 PM Monday to Saturday)

**Welcome to Department of Mathematics (PG) Bangabasi Evening College,  
Affiliated to University of Calcutta**

**SYLLABUS AND COURSE STRUCTURE**

The following choices are given for CBCC subjects and Elective Paper to be opted by the students of our department:

For detailed Syllabus and course structure please visit the following link:

[https://www.caluniv.ac.in/academic/department/PureMath/PM\\_Syllabus\\_18.pdf](https://www.caluniv.ac.in/academic/department/PureMath/PM_Syllabus_18.pdf)

**CBCC A** - Statistics

**CBCC B** - Applied Mathematics

**Elective I:** 104: Advanced Complex Analysis I, 105: Advanced Reimannian Manifold I,

**Elective II:** 201: Modules and Rings I, 204: Rings of Continuous Functions I.

**PG FACULTY MEMBERS**

**Permanent Faculty**

Sl.No.	Name of the teachers	Images	Designation	Association
1.	Dr. Banamali Roy (HoD & PG Course Coordinator)(9239031580)		Associate Professor	Bangabasi Evening College
2.	Dr. Mahendra Rong Controller of Exam(9674335554)		Associate Professor	Bangabasi Evening College
3	Mr. Surya Bahadur Subba		Assistant Professor	Bangabasi Evening College
4	Dr Magfura Pervin		Assistant Professor	Bangabasi Evening College
5	Dr. Sudip Majumdar		State Aided CollegeTeacher (SACT)	Bangabasi Evening College
6	Mr. Achintya Singha		State Aided College Teacher (SACT)	Bangabasi Evening College

## Visiting/Guest Faculty

Sl No,	Name of the teachers	Designation	Association
1	Prof. D. K. Ganguly	Visiting Professor	University of Calcutta
2	Prof. Manjusha Majumder	Visiting Professor	University of Calcutta
3	Prof. S. K. Sardar	Visiting Professor	Jadavpur University
4	Prof. M. C. Mukherjee	Guest Faculty	Bangabasi Evening College
5	Prof. Gopal Ghosh	Guest Faculty	Bangabasi Evening College
6	Dr. Rahul Banerjee	Visiting Professor	St. Pauls C. M. College
7	Dr. S. Kanjilal	Visiting Professor	St. Pauls C. M. College
8	Prof. M. Maity	Visiting Professor	Vidysagar University
9	Prof. Mridula Kanoria	Visiting Professor	University of Calcutta
10	Dr. S. De	Visiting Professor	University of Calcutta
11	Dr. U. K. Pahari	Visiting Professor	Netaji Nagar Day College
12	Dr. B. Mandal	Visiting Professor	Surenranath College
13	Dr. Pradip Majhi	Visiting Professor	University of Calcutta
14	Dr. G. C. Shit	Visiting Professor	Jadavpur University
15	Dr. B. Sau	Visiting Professor	Jadavpur University



Two day National Seminar of PG Pure Mathematics (Mathematical Modeling and Applied Epidemiology) in 2022 by NSMMAE



UGC SPONSORED NATIONAL SEMINAR 2016

## INFRASTRUCTURE OF THE DEPARTMENT

- AC Departmental Library
- ICT facility
- Well-equipped Computer Laboratory
- Wi-Fi zone with Internet Facility
- LAN connection
- NPTEL Local Chapter
- Book Bank Facilities
- E-Book
- E-Journal
- National Digital Library Membership for the students
- All AC Classrooms
- AC Computer Lab
- Dedicated Wi-Fi

## EQUIPMENTS AND LAB SOFTWARES

- Desktops and Laptops
- LCD Projector, Air Conditioner
- Photocopy (Xerox) Machine,
- Laser Printer, Colour Laser Printer, Scanner
- Smart Board
- White Marker Board
- Notice Board for Students, Teachers, PG Office
- WinEdit / MikTex / Texworksetc. (Software)
- AI Pannel

## STUDENT SUPPORT

- National and Departmental Seminar
- Convocation after Degree by CU
- Special PG classes in Puja vacation and Summer Recess.
- Scholarship and Award for the Meritorious Students
- Educational Tour for all students



DST Sponsored National Seminar of PG Math , Professor RS Kulkarni, Former Professor and Director of Harish Chandra Research Institute on the dias



UGC SPONSORED NATIONAL SEMINAR 2016



DST Sponsored National Seminar, Professor RS Kulkarni, Former Professor and Director of Harish Chandra Research Institute (Right)

Details of intake of PG Course under the University of Calcutta							
Name of the PG Course	Year of Commencement	Total Intake approved by CU	UR	SC	ST	OBC-A	OBC-B
Mathematics	2015	26	16	5	1	2	2



DST Sponsored National Seminar, Professor RS Kulkarni, Former Professor and Director of Harish Chandra Research Institute with the PG Math students.

### Eligibility Criteria

1. Qualifying marks in Honours Subjects (%) for CU Candidates (Home University):  
General/UR Category- 45 % marks in Mathematics Honours.
2. Qualifying marks in Honours Subjects (%) for CU Candidates (Home University):  
Reserved Category (SC and ST)- 40 % marks in Mathematics Honours.
3. Qualifying marks in Honours Subjects (%) for Other University Candidates (Non-Home University):  
General/UR Category- 45 % marks in Mathematics Honours.
4. Qualifying marks in Honours Subjects (%) for Other University Candidates (Non-Home University)  
Reserved Category (SC and ST)- 40 % marks in Mathematics Honours.



Prof. (Dr.) Sonali Chakravarti Banerjee, the Hon'ble Vice Chancellor, C.U., and Prof (Dr). Asish Chattopadhyay, the Hon'ble. Pro-Vice Chancellor (Academic), C.U. bestowing certificates to the MSc Mathematics Students (Session 2015-17, 2016-18, 2017- 19) in the Certificate Distribution Ceremony on 26<sup>th</sup> August, 2022 from 9.00 AM to 3.00 PM at Calcutta University Institute Hall, 7, Bankim Chatterjee St, College Square.

*DST Sponsored Seminar of PG Mathematics (Pure) :Department'*: PG Pure



Mathematics department of Bangabasi Evening College has conducted two day DST sponsored National Seminar on "Mathematical Modeling and its Application to Epidemiology (NSMMAE-2022)" during 10-11, November 2022 at the seminar room. Speakers from different parts of the country, including Dr Malay Banerjee, Professor of Kanpur IIT, Dr Sariful Alam, Professor of IEST, Shibpur, Dr Santanu Saha Roy, Professor of National Institute of Technology, Rourkela, Dr Sunil Kumar, Professor of

Mathematics, NIT, Dr Sankar Prasad Mondal, Professor of MAKAUT and several others delivered lectures.

## Fees Structure

Amount of Fees to be paid at the time of admission for each course: 16500/-

Amount of Fees to be paid Semester wise for each course:

Second Semester Fee : 11,000/- Third Semester Fee: 16,500/-

Fourth Semester Fee : 11,000/-

Fees/ Charges	For the Session 2026-2026		For the Session 2026-2027	
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester	4 <sup>th</sup> Semester
Tuition Fee:	9000/-	9000/-	9000/-	9000/-
Session Charge:	1000/-	-	1000/-	-
Library Fee:	500/-	-	500/-	-
Admission Fee:	3000/-	-	3000/-	-
Exam Fee:	1500/-	1500/-	1500/-	1500/-
Lab Charges	500/-	500/-	500/-	500/-
Academic Development Fees (Seminar, Workshop, Educational tour)	1000/-		1000/-	
Total	16500/-	11000/-	16500/-	11000/-

### Method of Payment:

Go to [www.bangabasievening.edu.in](http://www.bangabasievening.edu.in): Click "Pay Admission/Tuition/Seat Booking/Exam Fees" at the top of this college webpage,

Then Type Educational Institution/Organization Name at the middle portion, marked by the magnifying glass as "Bangabasi Evening College", Two Names will appear:

First, "Bangabasi Evening College"

Second. Bangabasi Evening College (PG).

Click upon the second name.

The first is applicable only for the under graduate department in this college.

Then Select Payment Category of admission, e.g., "ADMISSION FEES FOR PG 1<sup>ST</sup> SEM",

Then Fill up the form putting the "ROLL NUMBER".

Then Select Year : **2025-26**

Confirm and pay by Challan or debit or credit Card or Net Banking



Educational Excursion at Barrackpore Gandhighat



Educational Excursion at Baruipur

**THE GOVERNING BODY**

**Dr Mou Roy**  
University Nominee

**Sri Ashok Deb**  
President

**Dr Sanjib Chattopadhyay,**  
Secretary

**Dr Ranu Chakraborty,**  
Teachers' Nominee

**Dr Banamali Roy**  
Teachers' Nominee

**Dr Prosenjit Mukherjee,**  
Teachers' Nominee

**Sri Sanjoy Kumar Chakraborty, Govt. Nominee**

**Dr Asutosh Kumar**  
Govt. Nominee

**Sri Swarup Das, G.S Students' Council (Interim)**

**Sri Goutam Das**  
Non-teaching Nominee (Interim)

**Dr Rahul Bhattacharya**  
University Nominee