



JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN
(AUTONOMOUS), CHENNAI – 600018

COLLEGE WITH POTENTIAL FOR EXCELLENCE
ACCREDITED BY NAAC IN 2022 WITH A++ GRADE (4th CYCLE)
AN ISO 9001:2015 CERTIFIED INSTITUTION

Department of Mathematics

HISTORY

- ❖ The Department of Mathematics was established in the year 1955 with P.U.C. Mathematics and Allied Mathematics.
- ❖ The undergraduate degree program B.Sc. was introduced in 1967 in shift I.
- ❖ An additional section for B.Sc. was introduced in the year 1993-94 in shift II to meet the increasing demand for the subject.
- ❖ From the time of its inception in 1955, Mathematics was also offered as a supportive subject for most of the departments at the degree levels.
- ❖ Under the stewardship of Mrs. G. Susila ably assisted by Mrs. T.N. Meenakshi, the Department grew from strength to strength under the stewardship of Dr. (Mrs.) T.V.Kalyani, Mrs. Amina Bibi, Mrs. Ismath Huq, Mrs. Sabirah Parveen and Mrs. Rizwana Shaheen.

VISION

To impart women students with analytical, logical and thinking skills and to inculcate moral values and perseverance so that they may lead a prosperous and successful life in the society.

MISSION

To maintain a programme that will enhance the intellectual performance of the students and to develop interpersonal skills in every student so that they may become leaders of eminence. To nurture the quality of perseverance and right thinking.

HIGHLIGHTS

- Remedial Coaching offered for Slow Learners after the college hours.
- Individual care by faculty members by meeting the parents and giving them counselling.
- Rotational seating arrangement is enhanced daily during the lecture hours.

Sanction Intake – 80 students

Subjects Taught

Semester	Core Papers	Allied	Core Elective Papers
I	- Algebra - Differential Calculus	Numerical Methods - I	
II	- Analytical Geometry - Integral Calculus	Numerical Methods - II	
III	Differential Equations & Laplace Transforms	Mathematical Statistics – I	Linear Programming / Discrete Mathematics
IV	- Vector Analysis and Fourier Series - Statics	Mathematical Statistics -II	
V	- Modern Algebra - Elements of Mathematical Analysis - Dynamics - Graph Theory		Introducing to C++ Programming / Special Functions and Linear Partial Differential Equations of Higher Order
VI	- Linear Algebra - Real Analysis - Complex Analysis - Operations Research		Group Project

Opportunities for Students

➤ The following are some areas of recruitment for B.Sc. Mathematics students

1. Government Organizations
2. Financial Institutes
3. IT firms
4. Research Firms
5. Consultancies
6. Data Analyst

➤ An unbounded scope in Mathematics is that, a Mathematics student can pass Competitive exams like UPSC, Staff selection etc. easily.

➤ Lateral entry in engineering in esteemed institutions like MIT.

➤ Scope in both public and private sectors.

Faculty Expertise



Mrs. Fathima Azher
M.Sc., M.Phil. (Ph.D.)
Assistant Professor and Head



Dr. Mrs. B. Fathima
M.Sc., M.Phil. Ph.D.
Assistant Professor



Dr. Mrs. Reehana Parveen
M.Sc., M.Phil. Ph.D.
Assistant Professor



Mrs. M.I. Jawahar Nisha
M.Sc., M.Phil. (Ph.D)
Assistant Professor



Mrs. P.S. Azeezunnisha
M.Sc., M.Phil. Ph.D.
Associate Professor

Infrastructure facilities

- There are computers in the department with 24x7 internet facility.
- The department also has a library which contains innumerable books on Mathematics for the students.
- Book bank is maintained in the Department to assist students with low economic background.



New Programs Offered (2021)

- Certificate Course on Data Science and Analytics

Add on Course (2013)

- UGC sponsored Certificate Course – Actuarial Science





Matrix Club

- ❖ The Matrix Club was established in the year 2012
- ❖ To train and equip the students with analytical thinking and logical reasoning.
- ❖ To improve communication skills by encouraging them to participate in various competitions like Quiz, Paper presentation and so on.
- ❖ Matrix club activities are carried out with the help of a teacher coordinating with the students through two student representatives appointed as Matrix club President and Secretary.
- ❖ The Students of the Mathematics department are divided into five groups and the groups are named under the mathematicians, Aryabhata, Fermat, Einstein, Newton and Ramanujan. Each student is encouraged to participate in atleast one competition conducted during the academic year.



**SALIENT
FEATURES AND
BEST PRACTICES**