



Mithibai College of Arts,
Chauhan Institute of Science &
Amrutben Jivanlal College of Commerce and Economics
(AUTONOMOUS)

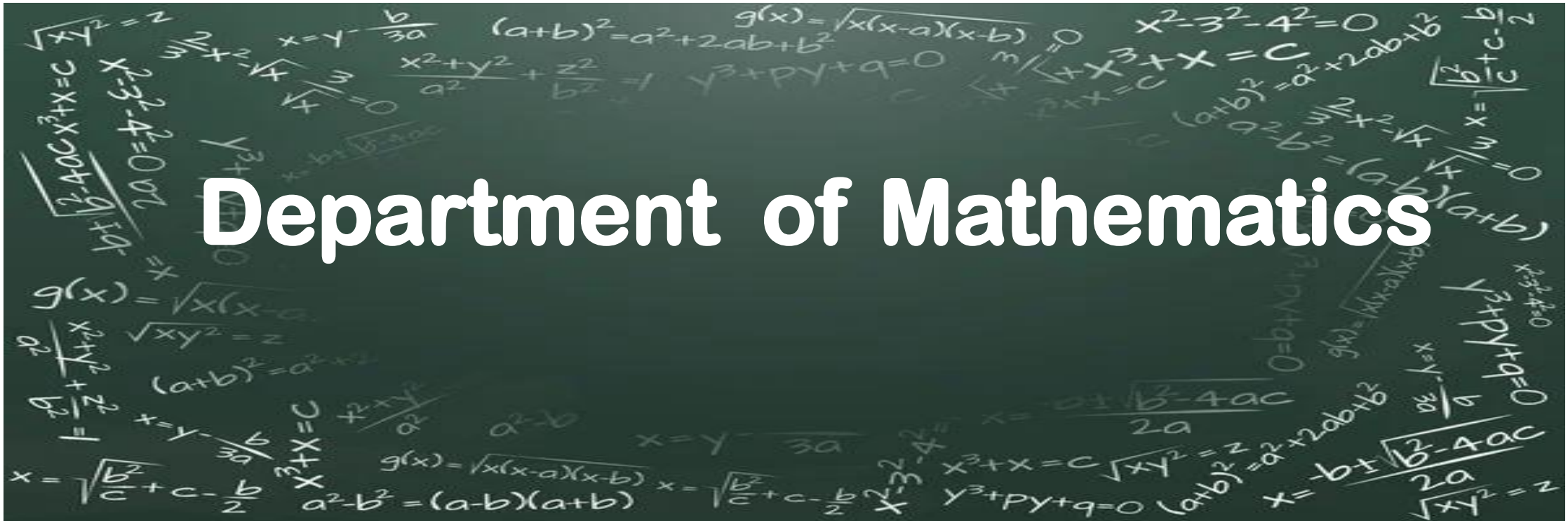
Affiliated to University of Mumbai

NAAC Reaccredited 'A' Grade, CGPA : 3.57 (February 2016)

Granted under RUSA for Enhancing Quality & Excellence in select Autonomous Colleges
GRANTED UNDER FIST-DST & STAR COLLEGE SCHEME OF DBT, GOVERNMENT OF INDIA
BEST COLLEGE (2016-17), University of Mumbai



Department of Mathematics





About the College

Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics (Autonomous) is envisaged as a destination for the most talented and promising students, since its inception in 1961. The college has 32 departments of which 16 are postgraduate departments with 10 of them conducting Ph.D. programmes.

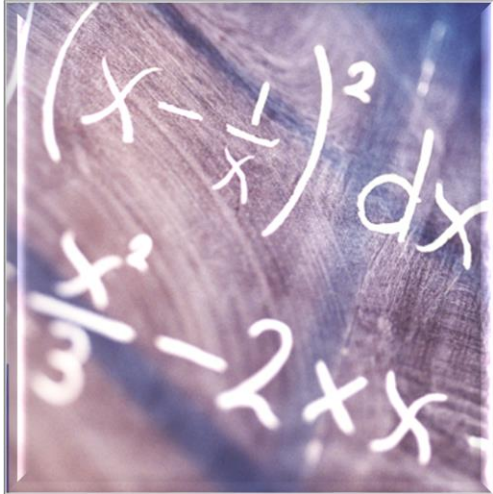
The academic year 2018-19 is year of achievements including BEST COLLEGE AWARD of University of Mumbai. INDIA TODAY RANKING 1st RANK Science & Commerce faculty 2nd Rank Arts faculty. Also Mithibai college is honoured with Government of India DST-FIST & DBT-Star College grants of Rs.1.5 Crores. This year is also very important UGC has conferred Grade 1 AUTONOMY for the period of 10 years without onsite visit by expert committee.

In addition to co-curricular and extra-curricular activities offered in this college, each student is offered a platform to display his or her varied skill sets and dormant talents. These programs, academic and otherwise, nurture qualities such as leadership, discipline, organizational capability and managing skills. Also college campus with WIFI facilities, Blackboard technology enabled, air conditioned classrooms with Interactive smart boards. The college provides ample opportunity for career advancement and extracurricular achievement. Graduates from this college are respected in corporate and multinational corporations.

About the department

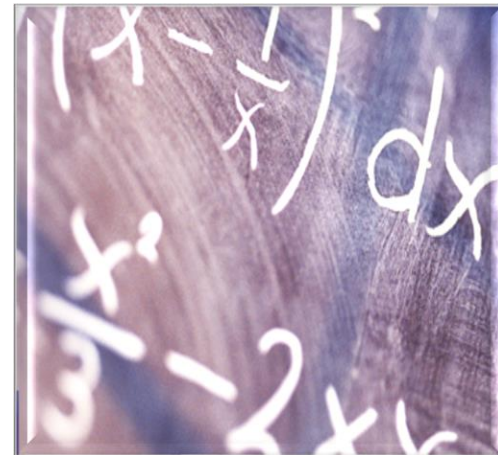
- The first batch of T.Y.Bsc (Mathematics) passed out in 1981.
- The Department consists of experienced, disciplined and knowledgeable staff members.
- In the Mathematics Department, teaching is done by traditional and innovative techniques in order to cope up with the changing trends in education.
- Mathematics Association was formed under the guidance of Dr. Alka V. Kanetkar and staff members of the Department. The association organizes various activities in mathematics for the students. Students participate actively in all the events.
- M.Sc. in Mathematics was started in the academic year 2012-13 to encourage the students for Higher education in Mathematics.
- Students from our department have pursued studies in higher Mathematics in India in reputed institutes like TIFR , IIT etc. as well as abroad

Programmes offered



**B.Sc in
Mathematics**

**M.Sc. In
Mathematics**



What Will You Learn ?

B.Sc. Mathematics

- Calculus
- Linear Algebra
- Graph Theory
- Higher order Differential Equation
- Discrete Mathematics
- Abstract Algebra
- Analysis
- Python
- Complex analysis.
- Numerical Analysis.

M.Sc. Mathematics

- Linear Algebra
- Discrete Mathematics
- Analysis
- Topology
- Measure Theory
- Linear programming and optimization
- Partial Differential Equation
- Field theory
- Fourier Analysis
- Functional Analysis
- Ordinary Differential Equation
- Graph Theory
- Probability theory
- Differential Geometry
- Complex Analysis.
- Numerical Analysis

This programme Opens the Door to Lucrative Careers

- High School or Middle School Math Teacher
- Math Professor at Community Colleges or Universities
- Data science
- Operations Analyst
- Financial Analyst
- Insurance Risk Manager
- Math Education Researcher
- Indian Civil Services
- Banking
- Actuary
- Computer Programmer
- Systems developer



Why Math at Mithibai.

- Mithibai college is one of the few institutions to offer post graduate program In Mathematics
- The Department has excellent qualified faculty members who are always ready to help students.
- The Department organizes and hosts various conferences and meetings for experts from all around the country; workshops and training programmes for students in India.
- Every year Mithimatica festival is organized to encourage student in Mathematic.
- Projects are given to final year M.Sc. students to encourage research.
- The Bachelor of Science in Mathematics provides a strong background to the fundamentals of mathematics.
- The 2 year M.Sc. programme curriculum has been devised by the experts in the field which focuses not only on the conventional Mathematics course but also keeps in view of the current needs and demands in various upcoming fields