

Late. Bhimrao Chavan Art's &
Science College Chavanwadi
(Barhali) Tq. Mukhed Dist.Nanded-431715

▶ **Department of Mathematics**

▶ **NAAC PEER TEAM**

▶ **Cycle – 1st**

Shri. Langote R. H.
Asst. Professor (Ad-Hoc)
Mathematics Department

Welcome & Department Snapshot

- • Established in 1998
- • Vision: Develop analytical thinkers through mathematical education
- • Milestones: University toppers, research publications, interdepartmental collaborations
- • Growth: Expanding course offerings and tech integration

Department of Mathematics – Student Strength Overview

- Number of Students in Recent Years:
 - First Year (FY): 32 Students
 - Second Year (SY): 15 Students
 - Third Year (TY): 14 Students
- Note: Department is expanding its intake and progressing steadily toward offering third-year classes in upcoming academic sessions.

Program Framework

- • Semester-Wise Subjects:
 - - Calculus, Algebra, Differential Equations
 - - Real Analysis, Linear Algebra, Abstract Algebra
 - - Statistics, Numerical Methods, Operations Research
- • Balance: Strong theoretical foundation with applied math exposure

Mathematics Beyond Numbers

- • Interdisciplinary Integration:
 - - Physics: Quantum mechanics, wave functions
 - - Economics: Game theory, modeling markets
 - - Computer Science: Algorithms, cryptography
 - - Society: Voting systems, epidemiology models

Project-Based Learning

- • Capstone Projects: Data analysis, optimization problems
- • Real-World Problem Solving: Mathematical modeling, simulations
- • Independent Studies: Faculty-guided research and innovation

Departmental Initiatives

- • Celebrations: National Mathematics Day
- • Student Clubs: Math Circle, Problem Solvers Group
- • Publications: Student newsletter – 'MathScape'
- • Competitions: Math quiz, poster presentations

Honors and Highlights

- • Faculty: Invited speakers, editorial board members
- • Students: National Math Olympiad, research paper wins
- • Events: Hosted intercollegiate math fests and webinars

Life After B.Sc.

- • Careers: Data Analyst, Actuarial Scientist, Researcher, Educator
- • Higher Studies: M.Sc., Competitive Exams (NET, GATE, JAM)
- • Industry Relevance: Banking, Insurance, Government sectors

Future Plans

- • Launch of integrated B.Sc.-M.Sc. Program
- • AI & Data Science electives
- • Industry tie-ups for internships
- • Research collaboration with IITs and foreign universities

Thank You