



Dr S.C. Gulhane Prerna College of Commerce, Science and Arts

Run by Prerna Sewa Mandal
Reshimbag Square, Nagpur-24

Govt Recognized and Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University
NAAC (UGC) ACCREDITED INSTITUTION 'B' GRADE (CGPA-2.32)

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Master of Science (M. Sc.)

MAJOR: MATHEMATICS

Programme Specific Outcomes

- 1. Rational Thinking:** Students be able to formulate and develop Mathematical arguments in a logical manner to unravel the gist hidden in the problem at hand.
- 2. Problem solving ability:** Student should be able to think in a critical manner to process the data, and develop Mathematical problem-solving ability.
- 3. Revisiting the question:** Students should be able to recall basic facts, important milestones, discoveries in Mathematics and inculcate habit of rational thinking by which the problem at hand can be revisited, time and again, that helps in solving it.
- 4. Analytical ability:** In the growing field of research, it is necessary for students to learn to use some packages like Matlab, Scilab, Mathematica, Maxima, etc, so that analytical tools be available to investigate the functions, problems through graphs, programming, etc.
- 5. Numerical Ability:** Using packages, students can make programs to solve some problems of which exact solutions are not available, using tools of Numerical analysis.
- 6. Simulation Ability:** The problems that cannot be solved directly, can at times be solved through techniques of simulation by students.
- 7. Research:** Students thus motivated would prepare themselves for research studies in Mathematics and related fields.
- 8. Application:** Student will be able to apply their skills and knowledge in Mathematics to various fields of studies including, science, engineering, commerce and management etc.