



ESTD. 1957

# NABAGRAM HIRALAL PAUL COLLEGE

A Government Aided Undergraduate and Postgraduate College

Affiliated to University of Calcutta

An ISO 9001: 2015 Certified Institution of Higher Education

## DEPARTMENT OF MATHEMATICS

### ***Program Outcomes:***

The program outcomes for a Mathematics Honours student typically include a combination of in-depth knowledge, skills, and competencies acquired during their academic journey of this course. After successful completion of a 3-year degree program in Mathematics, the students

**PO1:** The capacity to learn algebra, calculus, geometry, differential equations, and a number of other fields of mathematics thoroughly would be proficient in calculus, analytical geometry and differential equations, as these are essential tools for solving complex mathematical problems.

**PO2:** The acquired knowledge and abilities have intrinsic beauty, which enhances one's ability to use analytical reasoning. This can be applied to problem-solving and modelling in the actual world.

**PO3:** Apply mathematics to theoretical and applied problems through critical comprehension, analysis, and synthesis.

**PO4:** Ability to successfully express mathematics orally, in writing, or graphically.

**PO5:** Understanding of the structure of curves and surfaces in space and in plane, as well as the ability to apply multivariable calculus techniques in fields such as physics, economics, and optimisation.

  
Principal  
Nabagram Hiralal Paul College

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**Nabagram, Konnagar, Hooghly, 712246, West Bengal**

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**PO6:** Additionally, this programme will aid students in improving their employability for positions in the banking, insurance, and investment industries, as well as data analysts and other public and private businesses.

## ***Programme Specific Outcomes:***

The 3-year Degree Programme helps the students:

**PS1:** Idea of thinking is more logical and precise.

**PS2:** Teach pupils how to use appropriate mathematical analytical methods to solve challenges and problems in mathematics and related fields.

**PS3:** Obtain the necessary skills and knowledge to tackle specific theoretical and practical issues in the more complex branches of mathematics and allied fields.

**PS4:** Provide students sufficient knowledge and skills enabling them to undertake higher studies in mathematics and its allied areas on multiple disciplines compatible with mathematics.

**PS5:** Encourage the students to acquire a variety of general skills that are beneficial in the workplace, internships, and extracurricular activities.

  
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