



Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)



Department of Mathematics

Group Discussion under Participative Learning:
Numerical Methods:2024-25

Department of Mathematics organized group discussion activity on the topic "Special functions and Improper Integrals" on 22nd January, 2025 for the B.Sc. II year students.

The purpose of this activity was to enhance students' understanding of numerical techniques used to solve mathematical problems where exact analytical solutions are difficult to obtain.

The discussion began with an introduction to the concept of numerical methods and their importance in scientific and engineering computations. Students discussed various techniques such as the **Bisection Method**, **Newton-Raphson Method**, **Interpolation**, and **Numerical Integration**. They explained how these methods are used to find approximate solutions for equations, evaluate integrals, and solve real-life mathematical problems.

During the discussion, students shared examples and solved simple problems using these numerical techniques. They also discussed the advantages, limitations, and applications of numerical methods in fields such as physics, engineering, and computer science.

Outcome: -The group discussion was informative and engaging. It helped the students gain a better understanding of numerical methods and their practical applications in mathematics and other scientific disciplines.

Beneficiaries-6



Students actively participating in Group Discussion

Head,
Department of Mathematics
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar, (Burli).



Principal,
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.