Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College

Manchar, Tal. Ambegaon, Dist. Pune

Department of Mathematics

Annual report 2022-23

The academic year 2022-23 was a landmark period for the Department of Mathematics, marked by a deliberate and successful shift towards modern, student-centric teaching methodologies. The department's primary goal was to create a comprehensive and engaging learning environment that extended beyond traditional chalk-and-talk methods. This report details the key teaching approaches, student engagement initiatives, and significant achievements from the year, demonstrating our commitment to preparing students for the analytical demands of the future.

Our pedagogical approach for the year was a thoughtful blend of foundational and innovative methods. A significant emphasis was placed on **Teaching through Various Software** to provide practical, hands-on experience. Students utilized **Maxima, Desmos and Geogebra** for symbolic computation and algebraic manipulation, which proved invaluable for verifying complex derivations.

The department's focus on **Student-Centric Activities** led to a rich calendar of events designed to foster experiential and participative learning. Our participative learning efforts were particularly robust, highlighted by students' participation in a **two-day state-level workshop** on the implementation of NEP 2020 and the **Yuvatarang Mahotsav** on March 2 and 3, 2023, as well as a **seminar** conducted by students on April 24, 2023. A **field visit** to Morde Foods Pvt Ltd on 15 May 2023, which provided four students with a unique perspective on the application of mathematics in a corporate environment. Open Day was held to improve students' overall learning experience, attracting 42 students to a day of interactive sessions and discussions.

A notable achievement during the year was the recognition of our faculty. On 9 August 2022, Mr. V.B. Fasale, an Associate Professor in the department, was honored with the prestigious **Bandhuta Gunvant Shikshak Puraskar**. This accolade is a testament to the dedication and high standard of excellence upheld by our teaching staff.

In conclusion, the academic year 2022-23 was a success, marked by the effective integration of technology and a strong commitment to student-centric learning. By creating a dynamic and supportive environment, we have successfully equipped our students with the skills and knowledge necessary for their academic and professional journeys. The Department of Mathematics is proud of these accomplishments and is poised to build upon this momentum in the coming year.

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