



DCT's
Dhempe College of Arts and Science
Miramar, Goa
Department of Mathematics
Department Activity under DBT Star Scheme
Report

Presentation of Research Paper at the International Conference on Recent Developments in Science and Technology for Achieving Sustainable Goals Using Statistical Techniques – 2025

1. Introduction

T.Y.B.Sc. Mathematics students **Ms. Aastha Naik, Ms. Mitali Shirodkar, and Ms. Saiesha Gawas**, accompanied by **Ms. Rashmi Naik** from the Department of Mathematics, participated in the *International Conference on Recent Developments in Science and Technology for Achieving Sustainable Goals Using Statistical Techniques – 2025*, organised by the **Amity School of Applied Sciences, Amity University, Uttar Pradesh, Lucknow Campus**, on **25th–26th September 2025**.

2. Poster Presentation

The students presented a research poster based on their collaborative study. Their work was recognised and awarded **Third Place in the Poster Presentation Competition**, bringing pride to the college and the department.

3. Invited Lecture

At the same event, **Ms. Rashmi Naik** delivered a **short invited lecture** titled: *“Modeling Social Media Detox: The Role of Connectivity and Peer Pressure on Mental Health.”*

The lecture was based on collaborative research carried out with the students. The session was highly appreciated by experts and participants for its **relevance to contemporary societal issues**.

4. Funding Support through DBT Star Fund

The participation of the faculty member and students was made possible through financial support from the **DBT Star College Scheme**. The fund covered registration, travel, and related expenses. A **detailed statement of expenditure** has been enclosed for reference.

5. Outcomes and Benefits

- Provided students with **international-level exposure** to research presentation and academic networking.
- Enhanced the department's visibility by achieving recognition in the **poster presentation competition**.
- Strengthened the **research culture among undergraduate students**, motivating them to actively engage in collaborative work.
- Highlighted socially relevant research on mental health and digital well-being through the invited lecture.

6. Conclusion

The participation in the international conference proved to be a **fruitful academic experience** for both students and faculty. The recognition earned by the students and the invited talk delivered by the faculty added to the prestige of the department. The **support of the DBT Star College Scheme** is gratefully acknowledged.

