

HARMAL PANCHAKROSHI SHIKSHAN MANDAL'S
GANPAT PARSEKAR COLLEGE OF EDUCATION
Vidya Sankul, Bhom Plateau, Harmal- Goa

Department of Mathematics

Annual Report of the Academic Year 2023-24

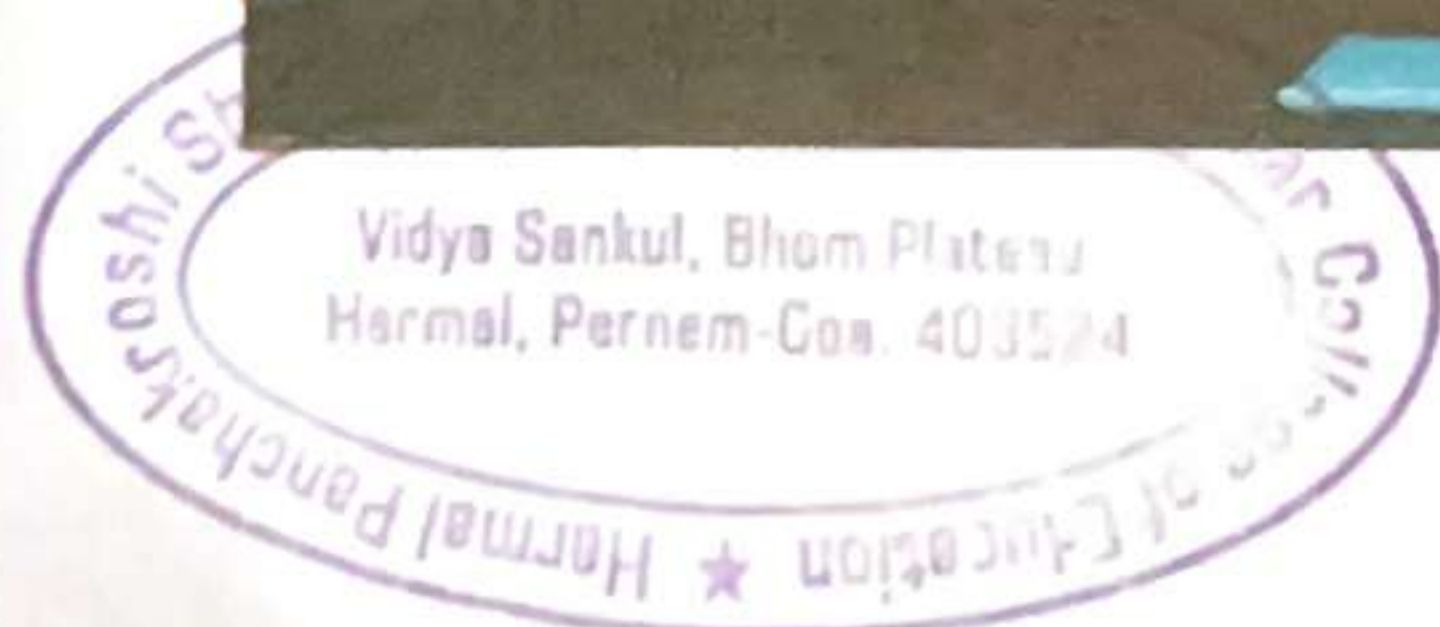
Faculty Members:

1. Ms. Namrata Khorje – Assistant Professor and In-Charge
2. Mr. Suraj Parmekar – Assistant Professor
3. Ms. Winita Rawool – Assistant Professor

Events Organised:

1. Tesseract 1.0

Tesseract 1.0 was an All-Goa Inter-Higher Secondary School Event organised on 14th December 2023 in collaboration with the Department of Physics. The event aimed at providing a platform to higher secondary school students to explore and showcase their talents in the subjects of Physics and Mathematics. A total of five higher secondary schools participated and displayed their skills through various competitions which included Power Point Presentation, Poster Making, Mathematics Quiz, Model Making, Theme based dance, etc. Shri Shantadurga HSS - Bicholim emerged as overall champions while Don Bosco HSS – Panjim and Harmal Panchakroshi Higher Secondary School – Harmal, were declared runners up and second runners up respectively.



2. Study Tour

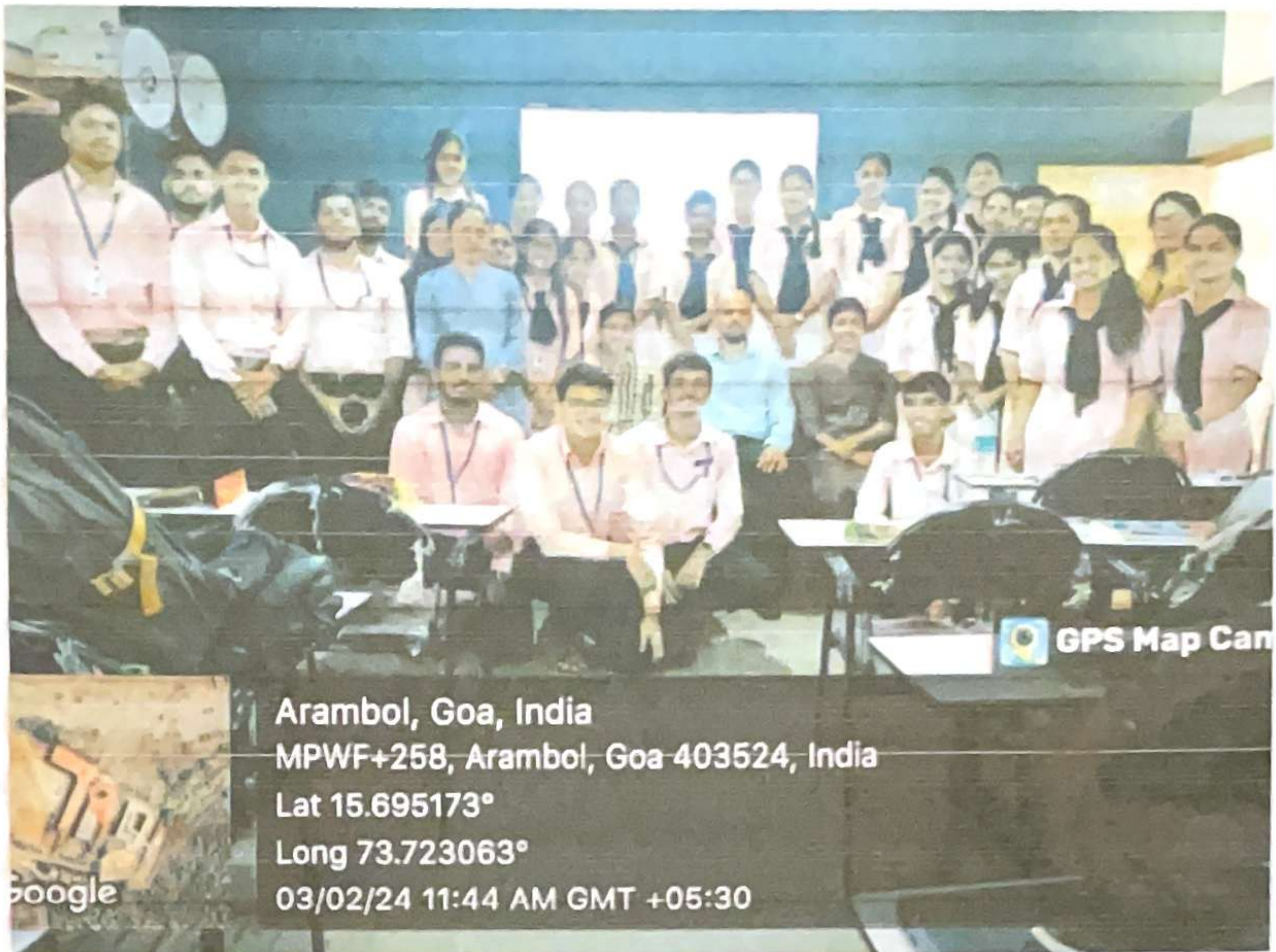
The Department of Mathematics organized a study tour for T.Y.B.Sc.B.Ed. and Fo.Y.B.Sc.B.Ed. students' of Mathematics from 26th November 2023 to 3rd December 2023. The places selected for the study tour were Bhopal, Indore, Ujjain and Surat. This tour gave students exposure to new culture and environment and also helped them to enhance their knowledge and understanding.



3. National Mathematics Day Celebration 2023

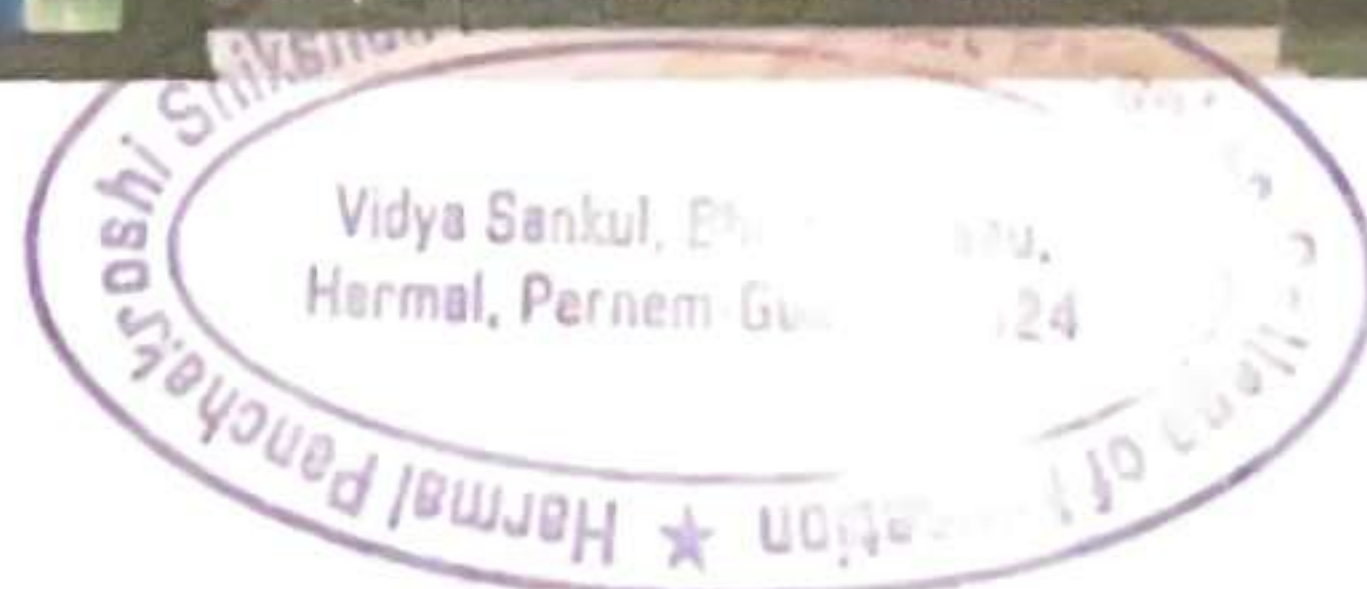
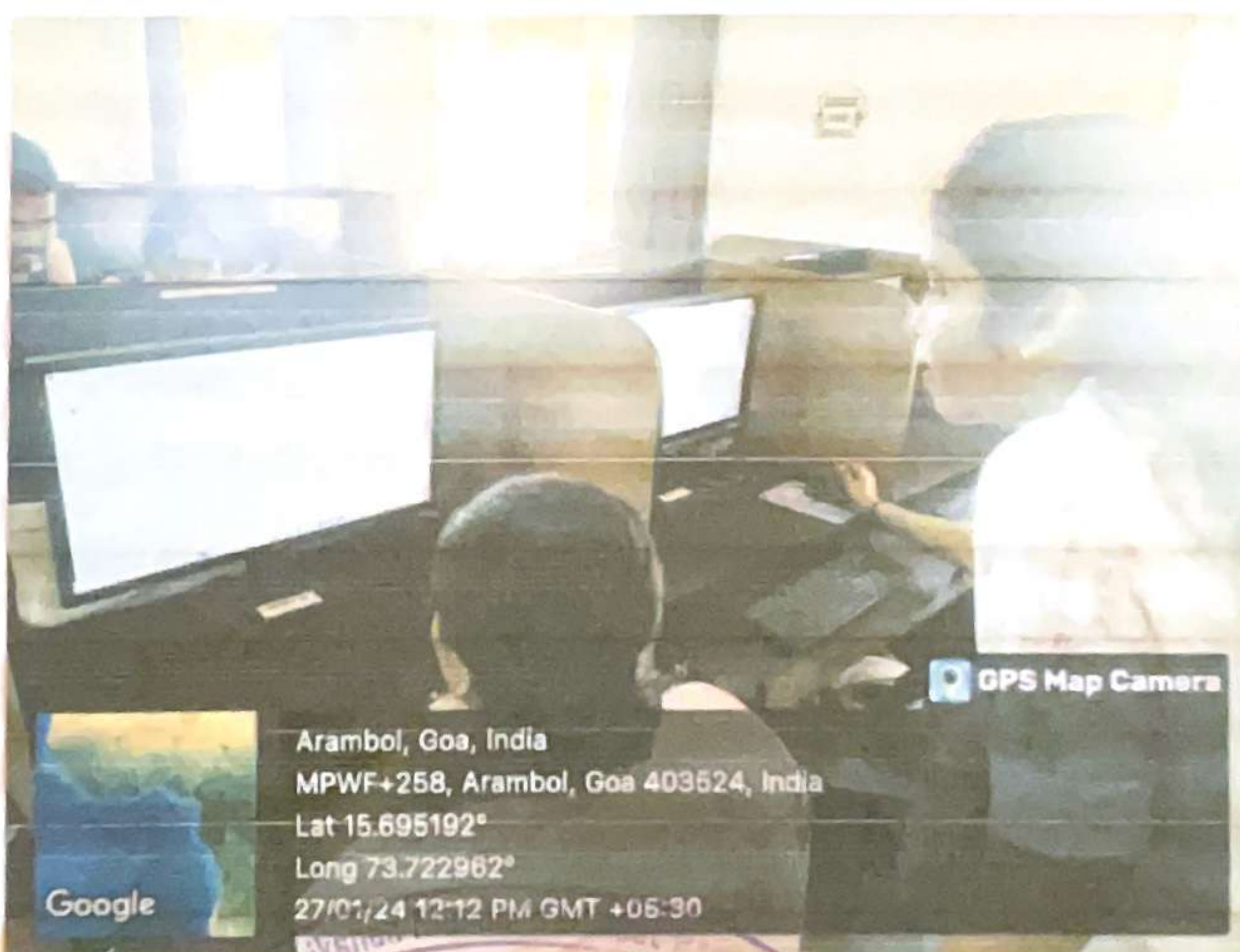
National Mathematics Day 2023 was celebrated on 3rd February 2024 in collaboration with the Department of Education. Mr. Brian D'Souza, Assistant Professor and In-charge of the M.Sc. Mathematics Programme at Govt. College of Arts, Science and Commerce – Sanquelim was the chief guest and resource person. He delivered a talk on the topic 'The Unity of Calculus', covering ideas of Archimedes, Newton and Leibniz and uniting them under the umbrella of calculus. The talk was attended by the PCM students of F.Y. B.Sc. B.Ed. and S.Y. B.Sc. B.Ed. along with the mathematics students of T.Y. B.Sc.B.Ed.





4. Value Added Course Titled ‘Mathematical Typesetting using LaTeX’

The Department of Mathematics in Collaboration with the Short-Term Certificate Course Committee organized a 30-hour value added course on the topic ‘Mathematical Typesetting using LaTeX’ from 5th August 2023 to 30th March 2024. Ms. Namrata Khorje, Mr. Suraj Parmekar and Ms. Winita Rawool were the resource persons for the course. This course was organised for S.Y.B.Sc.B.Ed. students of GPCOE. This course provided hands-on training in this typesetting software and also highlighted advantages over MS Word and other typesetting software.



Student Participation in Co-curricular activities:

- Mr. Jitu Vijay Hulmani from S.Y. B.Sc. B.Ed. participated in the Online Foundation Course in Mathematics (OFCM) 2023 organised by the Mathematics Training and Talent Search Programme (MTTS) Foundation, Hyderabad from 20th August 2023 to 2nd September 2023. A total of 538 students across the country were selected, 7 of which were from Goa.
- Mr. Sunny Shetye from S.Y. B.Sc. B.Ed. won the 2nd place in the Comic Strip Making Contest on the theme 'If Math Could Talk' organised by the Department of Mathematics - P.E.S. College of Arts and Science, Ponda on 5th September 2023.
- Ms. Supriya Gawas from S.Y.B.Sc.B.Ed. was selected for the Level-0 of the Mathematics Training and Talent Search (MTTS) Programme 2024 organised by the MTTS Trust -Hyderabad. The camp was held at the Institute of Chemical Technology -Mumbai, from May 20th 2024 to June 15th 2024. A total of 155 participants were selected for Level-0 across the country, 3 of which were from Goa.
- Ms. Vandana Naik, Ms. Ritika Chodankar, Ms. Ayusha Salgaonkar and Ms. Ruchi Sawant participated in Online workshop on "Indian Knowledge System : Origin and Techniques of Vedic Mathematics" organised by the Department of Mathematics, Govt. College, Khandola – Goa.

Faculty Participation towards improvement of Professional Competence:

1. Ms. Namrata Khorje

- Attended FDP on Enhancing Final Year Projects organized by DHE.
- Completed One week FDP on "Blended Learning: Concepts and Tools" Ramanujan college, University of Delhi in collaboration with Ganpat Parsekar College of Education.

2. Mr. Suraj Parmekar

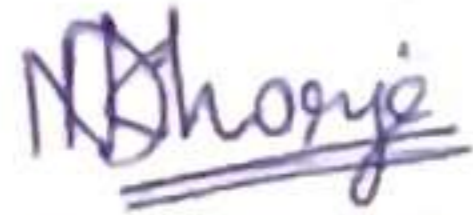
- Completed Online Refresher Course in Mathematics from Ramanujan College – New Delhi
- Invited as resource person to conduct quiz competition on 'Math Skill' at S.S. Dempo College of Commerce and Economics – Cujira, Bambolim.
- Attended the MTA Regional Conference organized by Mathematics Teachers' Association, DHE and SCERT.
- Attended FDP on Enhancing Final Year Projects organized by DHE.
- Attended FDP on Citation and References using Mendeley organized by NSB Bangalore.
- Attended Webinar on Research and Review Paper Writing using Modern AI Tools organized by My Research Support – Maharashtra.
- Attended workshop on "Innovating, Designing, Modelling, Characterization & Simulation of Materials & Biomolecule using in Silico Solution Suite,



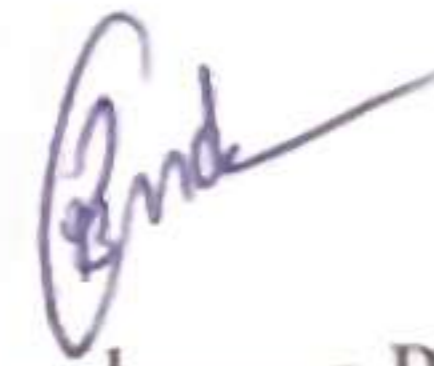
Atomistic Simulation Advanced Platform (ASAP), J-OCTA & PRinS”
organized by DRDRM Goa University

3. Ms. Winita Rawool

- Completed One week FDP on “Blended Learning: Concepts and Tools” Ramanujan college, University of Delhi in collaboration with Ganpat Parsekar College of Education.
- Presented a research paper titled ' Evaluating Pre-service Teacher Training for Inclusive Education in Goa' at National conference on Education: Rethinking and Conceptualization of Ethics and AI in Education on 6th April 2024.
- Attended International Conference on the theme 'Educate, Empower and Transform: SDG 4- Quality Education ' at Ganpat Parsekar College of Education on 10th and 11th January 2024.



Ms. Namrata Khorje
In-Charge
Department of Mathematics



Dr. Pandurang Pandit
Officiating Principal

