

Murgaon Education Society's Vasant Joshi College of Arts and Commerce, Zuarinagar-Goa
Department of Mathematics and Statistics
Annual Report
2022-23

Faculty Achievements:

Ms. Shruti B. Nayak

- 1) Participated in the Mathematics webinar on the topic “**Art Integrated Teaching In Mathematics**” organised by the Mathematics pedagogy unit of St. Xavier’s Institute of Education on 30th July, 2022.
- 2) Participated in the Mathematics webinar on the topic “**Teaching And Learning Of Mathematics, In Endemic And Beyond**” organised by the Mathematics pedagogy unit of St. Xavier’s Institute of Education (Autonomous) on 27th August, 2022.
- 3) Participated in the Mathematics webinar on the topic “**Mathematics In The Social Domain: Does It Strengthen Or Hinder Democracy?**” organised by the Mathematics pedagogy unit of St. Xavier’s Institute of Education (Autonomous) on 24th September, 2022.
- 4) Participated in the National Level webinar on ‘**Role of Data Analytics in Actuarial Science**’ organized by the Department of IT and Department of Mathematics and Statistics of MES College of Arts and Commerce, Zuarinagar -Goa on 20th October 2022.
- 5) Participated in 5 days Faculty Development Programme on ‘**Preparation for NAAC Accreditation at various levels**’ organized by IQAC of M.E.S. College of Arts and Commerce, Zuarinagar – Goa from 9th November 2022 to 14th November 2022.
- 6) Participated in the online workshop on **NEP2020: Multidisciplinary and Holistic Education** held on 13th January 2023 organized by HRDC, Goa University.
- 7) Participated in an online webinar on “Awareness on MOOCS platform among faculty” organized by Teaching, Learning and Education Technology Cell of Murgaon Education Society’s Vasant Joshi College of Arts and Commerce, Zuarinagar-Goa on 6th May 2023.
- 8) Created three modules (in Konkani) in the subject of Commercial Arithmetic-I for the DISHTAVO project of DHE, Goa Government.

Ms. Prajakta A Desai

- 1) Participated in one day state level workshop on ‘**SageMath**’ organized by the Department of Mathematics and Statistics of Dnyanprassarak Mandal’s College and Research Centre, Assagao, Bardez, Goa in association with Directorate of Higher Education, Government of Goa on 21st March 2023.
- 2) Participated in an online webinar on “Awareness on MOOCS platform among faculty” organized by Teaching, Learning and Education Technology Cell of Murgaon Education Society’s Vasant Joshi College of Arts and Commerce, Zuarinagar-Goa on 6th May 2023.

Student Achievement:

- 1) Mr. Sanath Nayak of BCA semester II participated in one day state level workshop on ‘**SageMath**’ organized by the Department of Mathematics and Statistics of Dnyanprassarak Mandal’s College and Research Centre, Assagao, Bardez, Goa in association with Directorate of Higher Education, Government of Goa on 21st March 2023.

Student Enrichment Activity:

1) Certificate Course in Verbal Reasoning:

Department of Mathematics and Statistics of M.E.S. College of Arts and Commerce, Zuarinagar-Goa organized 40 hours “**Certificate Course in Verbal Reasoning**” from September 2022 to March 2023 for the final year students of B.A./B.Com./B.B.A./B.B.A. (Shipping and Logistics) programme. The course included 1 hour of Inaugural function/Introductory session, 19 teaching sessions (each session of 2 hours each = $19 \times 2 = 38$ hours) and 1 hour of MCQ test. The resource persons for the certificate course were Assistant Prof. Shri. Dattaprasad Shirgurkar, Assistant Prof. Dr. Kirti Tyagi, Assistant Prof. Shri. Paricshit Phal Desai and Assistant Prof. Shri. Mudraj Pagi. Ms. Shruti B, Nayak, Teacher In-charge Department of Mathematics and Statistics was the coordinator for the course. A total of 46 students enrolled for the course which included 28 females and 18 males. Inaugural function/Introductory session was held on 28th September 2022. Teaching sessions were held from October 2022- February 2023. MCQ test was held on 9th March 2023. Out of 46 enrolled students, 29 students successfully completed the course which included 18 females and 11 males. Certificate Course completion certificates were distributed to successful candidates on 3rd April 2023.



Inaugural function/Introductory session of the certificate Course on Verbal Reasoning



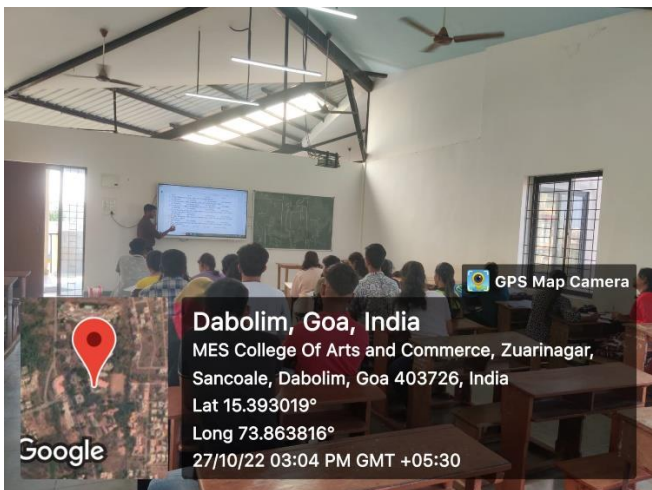
Group photo of the participants of inaugural function/Introductory session



Assistant Prof. Dr. Kirti Tyagi taking a session



Assistant Prof. Shri. Paricshit Phal Desai taking a session



Assistant Prof. Shri. Mudraj Pagi taking a session



Assistant Prof. Shri. Dattaprasad Shirgurkar taking a session



Group photo of participants who completed the certificate course

2) National Level Webinar:

On account of Golden Jubilee celebration of the college, Department of Information Technology and Department of Mathematics and Statistics organized a National Level Webinar titled, **“Role of Data Analytics in Actuarial Science”** for the students of 11th and 12th Science/Commerce students with Mathematics background, also for B.Com., B.Sc., B.C.A., B.A. students and faculties of various colleges as well as of MES college on 20th October 2022 from 3:30pm to 5:00pm. Mr. Akash Rughani, Program Director, IAQS, Mumbai- Maharashtra was the resource person for the webinar. The Webinar was streamed online via Google Meet. The resource person Mr. Akash Rughani, spoke about various insights of Role of Data Analytics in Actuarial Science. He stressed on the need of actuaries for strengthening the nation as a whole. Also he mentioned various opportunities available for the students who pursue their carrier in Actuarial Science. 122 participants attended the webinar which included 110 students (41 Male, 69 Female) and 12 Faculties (5 Males, 7 Females). Following is the breakup of participants:

GOA

M.E.S College of Arts & Commerce, Zuarinagar-Goa

	No. of Males	No. of Females	Total
Students	35	59	94
Faculty	2	5	7

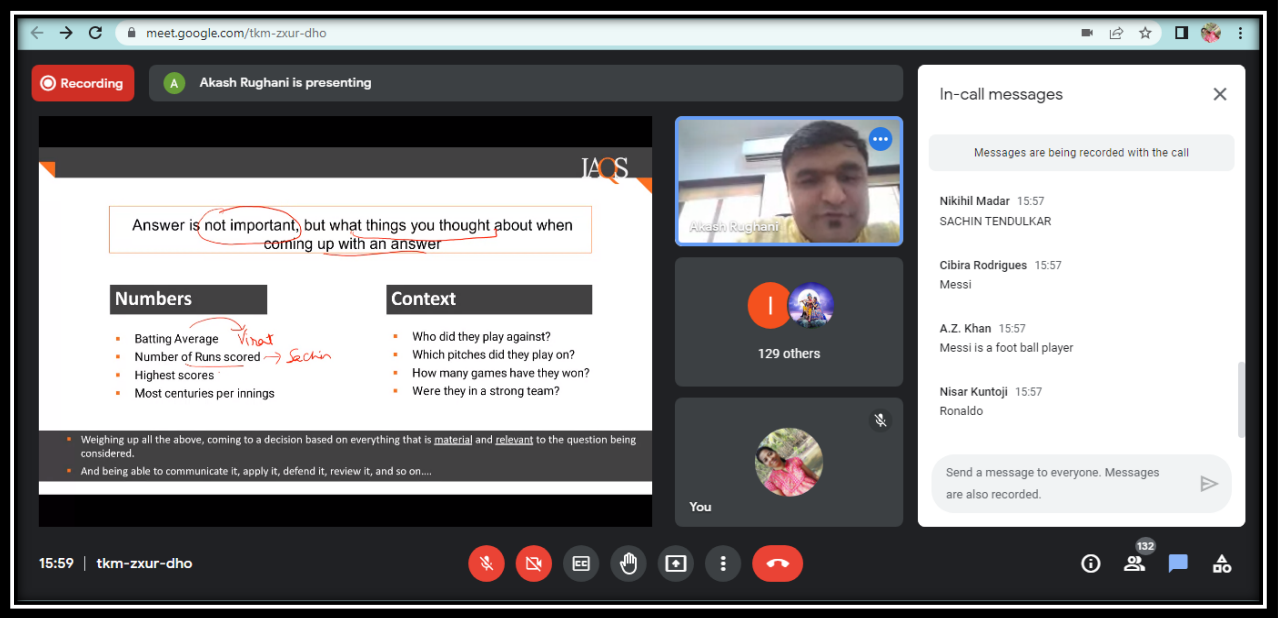
Other Higher Secondaries and Colleges from Goa

	No. of Males	No. of Females	Total
Students	5	10	15
Faculty	3	1	4

OUTSIDE GOA

	No. of Males	No. of Females	Total
Students	1	0	1
Faculty	0	1	1

E-certificate were issued to every participant after filling up of feedback form.



Mr. Akash Rughani addressing the gathering



Participants of the session



Participants of the session

Ms. Shruti B. Nayak
Teacher In-charge
Department of Mathematics and Statistics

Dr. Manasvi M. Kamat
Principal