

DEPARTMENT OF MATHEMATICS

Report Of Academic Year 2021-'22

1. The Department of Mathematics organized "TILASTOT2021, observing National Statistics Day on June 29, 2021. As a part of this, the Department conducted a poster-making competition for the students of SCAS on the topic "Covid- 19 Pandemic and Statistics". The winners of the competition are:

- First prize: Megha C. M., V semester B.Sc. Geology
- Second prize: Anagha S., II semester B.Sc. CS.

Cash awards of Rs. 750/- and 500/- were given to the prize winners respectively.

The Department also conducted a webinar for the second semester B.Sc. CS, Psychology and Mathematics and V semester B.Sc. Mathematics students of SCAS on "Legacy of Statistics in India, Opportunities & Careers" by Dr. Krishna E., Rtd. Associate Professor in Statistics, St. Joseph's College for Women, Alappuzha and former faculty of Department of Mathematics, SCAS, through Zoom. Vice-principal and Head of the Department Dr. Rani M. J. welcomed, followed by the presidential address by Executive Director Rev. Dr. Devis Chenginiyadan. Principal Dr. Mathew Paul Ukken and former principal Dr. Jenson P. O. addressed the audience. The talk by Dr. Krishna E. dealt with the life of the Indian Statistician P. C. Mahalanobis, introduced famous Indian statisticians, and detailed the career scope for Statistics. She also provided a list of courses and colleges in which one can pursue higher education in Statistics.

2. The Department of Mathematics organized its inauguration for the academic year 2021-'22 through online mode on August 16, 2021 at 1.40 p.m. The chief guest of the day was Dr. Vijaykumar Ambat, Emeritus Professor of CUSAT. HOD Dr. Rani MJ welcomed the gathering and Rev. Dr. Devis Chenginiyadan, Principal Dr. Mathew Paul Ukken felicitated over the function. Association report of previous two academic year was presented. After the inaugural session, a talk was delivered by Dr. Vijaykumar Ambat, on what to do after studying Mathematics.

3. On behalf of World Photography Day on August 19, the Department of Mathematics of SCAS organized a Photography Competition, REFLECTION, for the students of the college on the topic "PRACTICAL MATHEMATICS, mathematics that you see around you". Students were asked to upload the photo with a title and description along with their name, class and a photo of their ID card in the google form. The results are as follows:

- First Prize: Sona Ginish, III Sem B. Com ACCA
- Second Prize: Mimsi Mubarak, V Sem B.Sc. Physics
- Third Prize: Akhil Prasannakumar, III Sem, B.Sc. Geology

The winners were given a merit certificate and cash prizes as the First prize: Rs. 500/-, Second prize: Rs. 300/-, Third prize: Rs. 200/-.

A discussion of the photographs uploaded by the participants was conducted among the students of the Department of Mathematics on September 17, 2021 at 1.00 p.m.

4. On behalf of the MATHEMA 2021, observing National Mathematics Day on December 22, the Department of Mathematics, SCAS organized various competitions for the students of SCAS. The quiz competition was held in Room number 225. Chaitanya Krishna and Deepthi Thankachan of third year B.Sc. Mathematics secured first and second position and Arya M. S. of first year B.Sc. Physics bagged the third prize.

A sudoku competition was also organized by the department. The competition was to complete the sudoku puzzle within the shortest possible time. Selin Freya of first year B.Sc. Mathematics, Chaitanya Krishna of third year B.Sc. Mathematics and Ishma Denson of first year B.Sc. Mathematics bagged the first second and third prizes, respectively. The paper presentation competition was also organized by the department. The competition had only one entry and the entry was given a consolation prize. The participant Midhun Babu of first year BCA presented the PPT on December 22, 2021 at 1.30 p.m. at room number 301.

5. On behalf of observing Science Day, SPECTRA 2022, on February 28, 2022, the Department of Mathematics, along with other science departments of SCAS organized 'Essay Writing' competition and 'Calculate the Integral' competition. Registration was done with Google forms (link: <https://forms.gle/xRhWr3UhHCs3GeYu5>). The topic for Essay Writing competition was "Is Mathematics, Queen of Sciences?". The competition was open to all the students of SCAS. Students were asked to send their entries to scasdeptmaths@gmail.com on or before February 27, 2022. The winners of the competition are:

- First: Devika Vijayan, II M.Sc. Clinical Psychology
- Second: Sreyas Krishna, II B.Sc. C. S.

The Calculate the Integral competition was also open to all the students of SCAS. The competition was held on February 28, 2022, at Room No. 201 in the Admin Block (II year B.Sc. Mathematics class) at 11.00 a.m. 7 students participated in the competition. The competition consisted of questions to calculate integrals in the stipulated time. The one who did the maximum was declared the winner. The result of the competition is as follows:

- First: Chaitanya Krishna, III B.Sc. Mathematics
- Second: Smrithi, III B.Sc. Mathematics
- Third: Deepthi Thankachan, III B.Sc. Mathematics

The prizes for the competition were given at the official meeting of the SPECTRA 2022, observing National Science Day on March 2, 2022.

6. Department of Mathematics conducted an online Alumni Meet on 6th March, 2021 at 7 pm. 40 students participated in that programme including the faculty members. Various students of the 5 passed out batches joined and shared their memories and experiences. HOD Dr. Rani M. J. interacted with the students along with other faculty members.

7. The Department of Mathematics, SCAS has organized a Pi Approximation competition on behalf of Pi- Day on March 14, 2022 at 1.00 p.m. in the I year class (Room No.: 202). The students were asked to write the approximate value of Pi on a paper within 2 minutes and the winner is the one who writes the maximum digits in the correct approximation. The winners were as follows:

- First Prize: Deepthi Thankachan (III year B.Sc. Mathematics)
- Second Prize: Devadhathan P. M. (I year B.Sc. C.S.)
Athul Krishna K. R. (I year B.Sc. C.S.)
- Third Prize: Amrithes P. (I year B.Sc. Chemistry)

Prizes were distributed to the students during the inaugural session of the one-day seminar conducted on March 23, 2022.

8. The Department of Mathematics, SCAS has organized a One-Day seminar on "Introduction to Metric Spaces" on Wednesday, March 23, 2022 at 10.20 a.m. in the Decennial Hall (Room No.: 425). The speaker was Dr. Sabna K. S., Assistant Professor, KKTM College, Pullut. The session was inaugurated by the Executive Director of SCAS, Rev. Dr. Devis Chenginiyadan. Dr. Mathew Paul Ukken, Principal, SCAS felicitated over the function. The prizes for the winners of the Pi- Approximation Competition conducted by the department were given by the dignitaries. After the official meeting, the speaker gave the talk on Introduction to Metric Spaces, introduced the term distance between 2 points, generalized the concept to the metric and provided examples of the same, like taxi cab geometry.
9. Ms. Parvathy G. Menon attended an orientation session of Innovation Ambassadors – Foundation Level conducted by Ministry of Education's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode.
10. Ms. Brindha Valson E. took part in a WEB-Workshop on Solvable and Nilpotent Groups in the month of November.
11. Ms. Bini George and Ms. Parvathy G. Menon attended One Week Online National Level FDP on Role of Mathematics in Latest Engineering Trends conducted by Lord's Institute of Engineering and Technology, Telangana from 04-06-2021 to 10-06-2021.
12. Ms. Neethu K. Damu, Ms. Jinu M. J. and Ms. Parvathy G. Menon completed One Week Faculty Development Program on Outcome Based Education conducted by Vimala College, Thrissur from 17th September to 23rd September, 2021.