ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA

REACCREDITED BY NAAC WITH A GRADE (CGPA 3.33)

ISO 9001-2015 CERTIFIED

DEPARTMENT OF MATHEMATICS
ANNUAL REPORT
2020-2021

ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA

DEPARTMENT OF MATHEMATICS

2020-21

The activities of the Department of Mathematics for the academic year 2020-21 started in the month of April 2020 in online mode. The Department organised an international webinar on "The Man who knew Infinity" commemorating Srinivasa Ramanujan, on 26.4.2020 in connection with 100th Death Anniversary of Srinivasa Ramanujan. Professor Emeritus Dr. A Vijayakumar, CUSAT who is the Vice President of Ramanujan Mathematical Society , was the resource person.

The Department organised an International Webinar on Life and Contributions of Maryam Mirzakhani on 12.5.2020 in connection with Women in Mathematics Day, 2020. Dr. Nikita Agarwal, Associate Professor in Mathematics, Indian Institute of Science, Education & Research (IISER), Bhopal was the resource person.

The Department organised Expert Talk Series for Undergraduate Students under which two National Level webinar sessions were conducted on the topic "Laplace Transforms", on 15.5.2020 and 20.5.2020. Mr. Sumesh G., Assistant Professor, Department of Science & Humanities was the resource person.

The Department organised a webinar series for 6th Semester B. Sc Mathematics students of M. G University. The sessions of the series were conducted on 24.5.2020, 25.5.2020, 29.5.2020, 30.5.2020 and 13.6.2020. The topics covered include Complex Analysis, Linear Algebra and Latex Typesetting.

In connection with National Statistics Day, the Department organized 4th Rev. Sr. Bencita Endowment Lecture as a National Webinar on the topic "SIR and its Extension for Modelling Epidemic Diseases", on 10lh July, 2020 in memory of Rev. Sr. Bencita CTC, Former Principal & Head of the Department of Mathematics. Dr. Sudheesh K Kattumannil, Associate Professor, Indian Statistical Institute, Chennai was the resource person. The webinar was presided by Rev. Sr. Sharin, Assistant Professor, Department of Economics.

Conducted Webinar on Online Tutoring in Mathematics on 16.9.2020 during 3-4 pm, in association with OSAX. All second year and third year students of the department attended. Ms Twinkle Paul Mampilly, Managing Director,Twiline Solutions Pvt. Ltd who is an alumna of the department was the resource person.

Conducted Webinar on "Stress Management during Pandemic", in association with Counselling Cell, on 7.9.2020, during 11-12 pm. All second year and third year students of the department attended. Sr. Ruby, Counsellor, Prashanthi Counselling Centre was the resource person.

In connection with World Statistics Day and Prof C. R. Rao Birth Centenary year observance, the department conducted intercollegiate online PPT competition, Portrait Drawing Competition and intercollegiate online quiz in Statistics on 21.9.2020, to honour Prof C R Rao, a living legend in Statistics.

The Department conducted Webinar on Environmental Mathematics for V Sem B. Sc Mathematics students of various colleges under M G University, on 18.11.2020. Dr Savitha K. S, Assistant Professor & HOD, St Paul's College, Kalamassery was the resource person.

An online competition on Creative Problem Solving was conducted through Google Form on 21.11.2020 and best solutions were identified. 24 students took part in the competition, out of which 6 were selected.

Department organised Online quiz competition on the topic "Life and contributions of Srinivasa Ramanujan", in connection with National Mathematics Day, on 22/12/202.

Mathematics Association activities was inaugurated by Dr Sunny Kuriakose, Academic Secretary-Kerala Mathematical Association & Dean (Academic & Administration), FISAT, Mookkanoor on 22/12/2020. A talk on Importance of National Mathematics Day was delivered by the Chief Guest.

The Department conducted remedial and revision classes for all batches in online mode. Under the Additional Support Programme for SC students, online remedial classes for Mathematics and Statistics were arranged exclusively for SC students.

The students and teachers of the department created lock down redesigns which included crafts, paintings, cuisines etc.

Students of the department prepared teaching videos for school children of classes 9 to 12, and uploaded the same in You Tube.

Department together with Staff Association organised an online condolence meeting in memory of Prof Rita Mary Thomas, Former Faculty of the Department who passed away on 26th December 2020.

Department organised an online Alumni Meet on 9th January 2021 at 3 pm.

As part of Academic Week Celebration-ORACLE, the department organised an International Webinar on "Holistic Health" based on the theme-Health @ Habitat on 11.1.2021. Ms Asha Suresh, Family Nurse Practitioner & President, Indian Nurses Association of Austin, Texas, USA was the resource person. As part of INTERACT, the department organised a talk by a student, based on the theme Heath@ Habitat. Volga Shaji of 3rd year B. Sc Mathematics delivered the talk on the topic "Shigellosis & Essential Vitamins" for the second year and first year students of Botany department on 12.1.2021. Alna K. M, student of Botany department delivered a talk on the topic "How safe are pesticides?-Impact on Human Health" for the second year and first year students of the department of Mathematics on the same day.

The Department organised DBT funded Webinar on Abstract Algebra for third year B. Sc Mathematics students on 25/1/2021 & 27/1/2021. Dr Savitha K. S, Assistant Professor & Head, Department of Mathematics, St Paul's College, Kalamassery was the resource person.

The Department organised DBT funded Webinar on Laplace Transform for second year B. Sc Mathematics students on 23/2/2021 & 25/2/2021. Mr. Sumesh G., Assistant Professor, Department of Science & Humanities was the resource person. (Total 3 hrs).

The Department organised DBT funded Webinar on Calculus for second year B. Sc Mathematics students on 26/2/2021 & 27/2/2021(Total-3 hrs). Dr Varghese Jacob, Associate Professor, Department of Mathematics, Govt College, Kottayam was the resource person.

The Department of Mathematics in association with the Department of Micobiology and IEDC organised an Expert Talk on “Ideation- Road to Entrepreneurship” on 10/3/2021. Dr Ajay James, TBI Manager, Govt Engineering College, Thrissur was the resource person.

Students of 2017-20 batch Aasisha M. P secured 5th rank and Bithiyah Joy secured 6th rank in M. G University B. Sc Mathematics Examination.

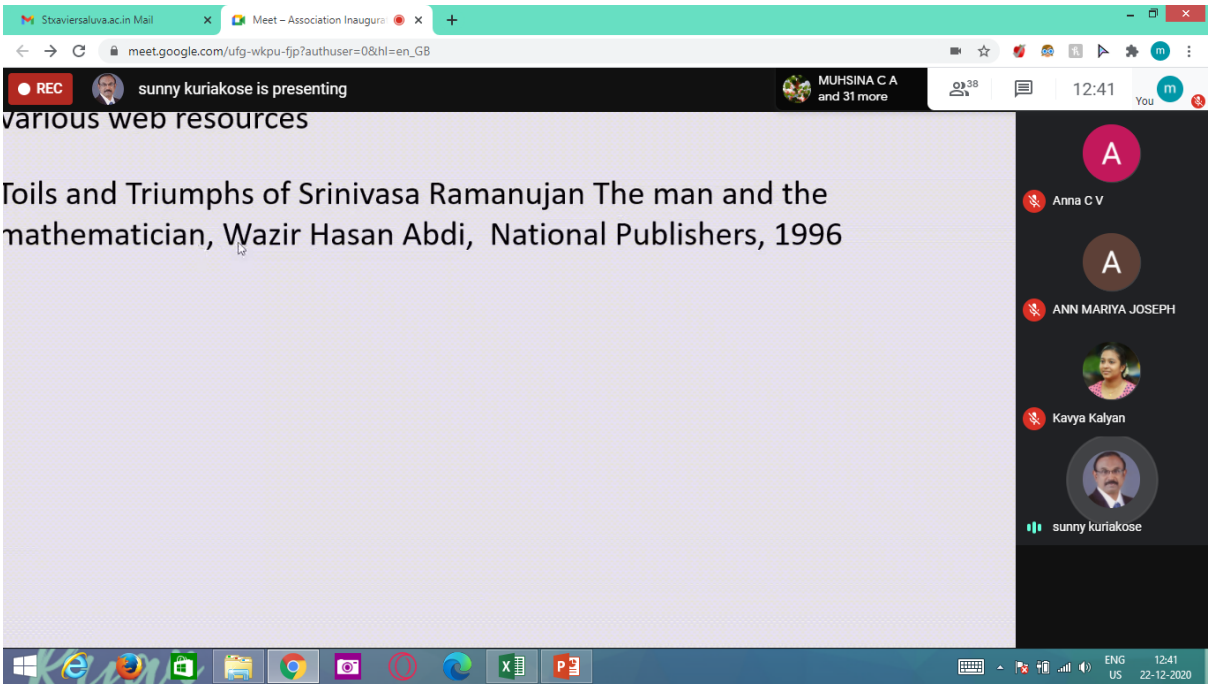
Christina Jude, second year B. Sc Mathematics student secured 3rd position in National Level Online Exam on General Mathematics, which was attended by more than 550 Maths aspirants, from 22 states of India, various institutions including NISER, IISER, IITs, NITs, Central and State Universities, in May 2020.

Mary Anju P. J of second year B. Sc Mathematics was the winner of All Kerala Elocution Contest , conducted by ASAP Ernakulam.

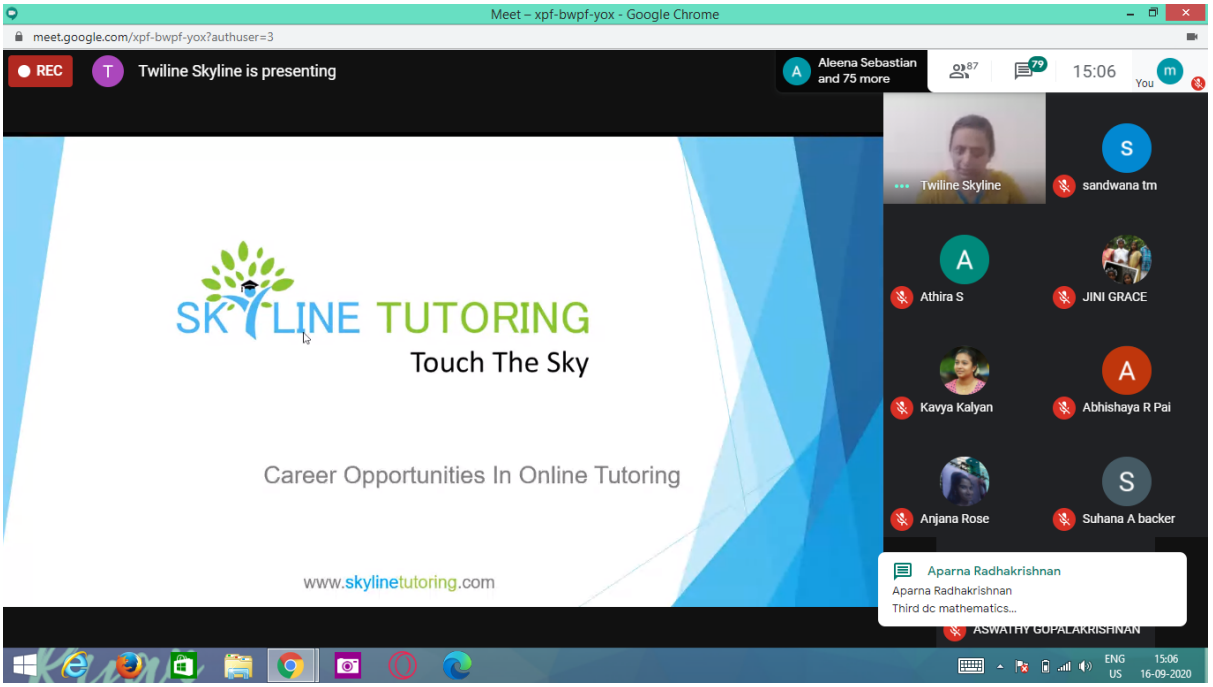
In the Corontime Fest conducted by Students’ Council, Sumayya Salim of 3rd year B. Sc Mathematics secured third place in “Sing O Corona” competition, and Mary Anju P. J of second year B. Sc Mathematics secured first place in “Pen a Caption” competition.

Two students –Krishnapriya T. H (III year B. Sc Mathematics) and Greeny George (II year B. Sc Mathematics) bagged prizes in the online contest “Bhashakkoru vaakku” and Sinu Margarat Seemon (I B. Sc Mathematics) secured first prize in the Sahithya Prasnothari competition organised by the Department of Malayalam, in connection with Bhashavaracharanam, conducted during 2nd to 6th November, 2020.

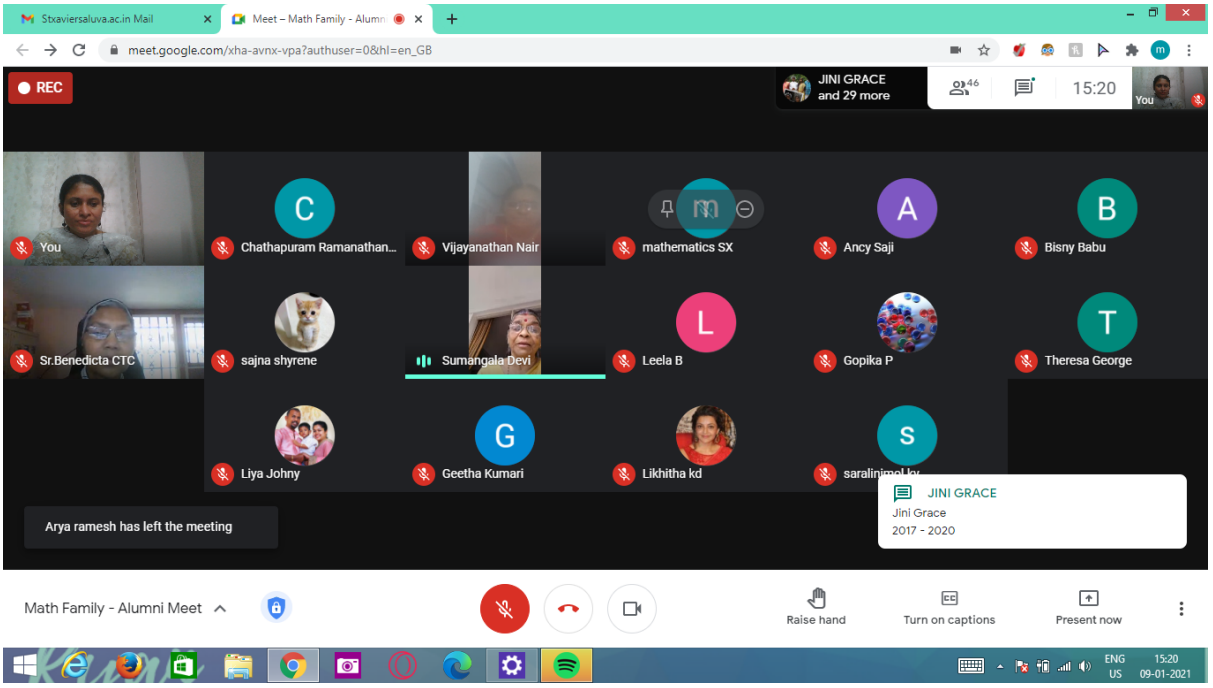
Webinar –Importance of National Mathematics Day on 22/12/2020



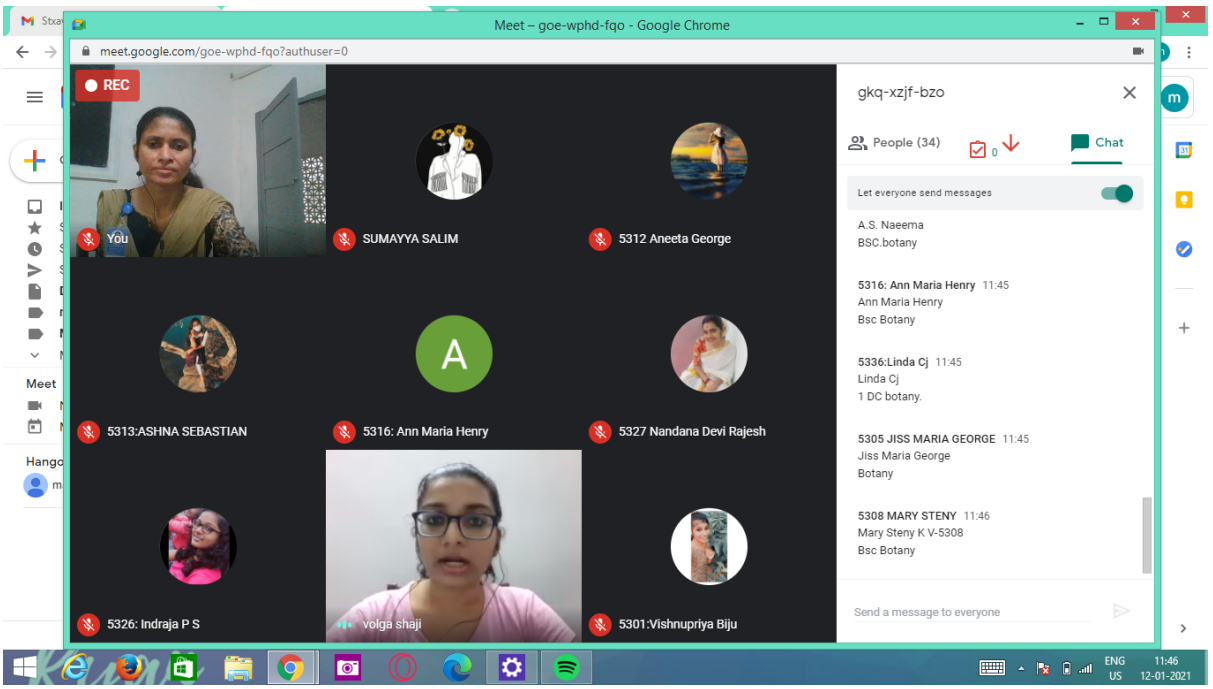
ALUMNA TALK ON 16.9.2020



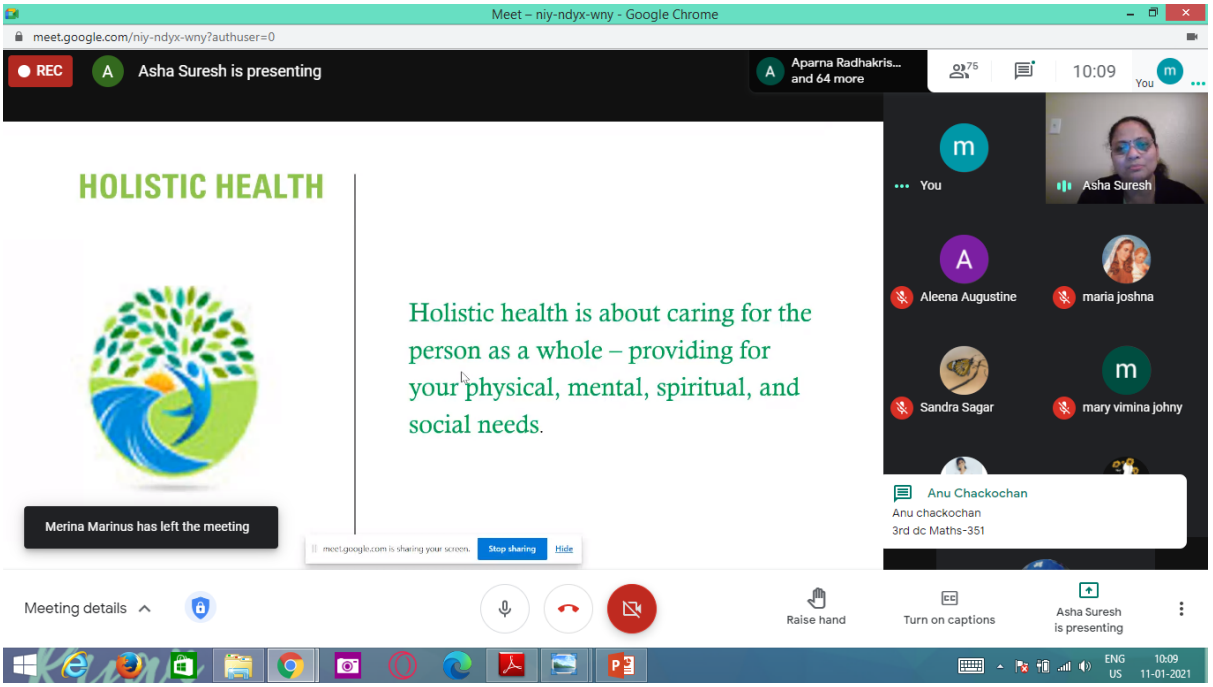
ALUMNAE MEET



INTERACT



ORACLE



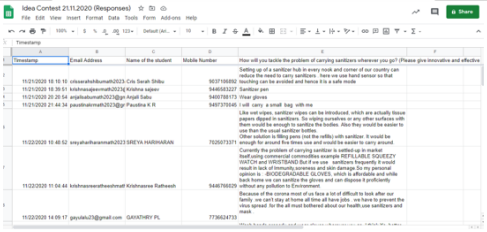
Creative Problem Solving Competition

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

St. Xavier's College for Women, Aluva
Re-accredited by NAAC with A Grade, CGPA 3.33
ISO 9001:2005 Certified
Affiliated to Mahatma Gandhi University, Kottayam

Creative Problem Solving

Department of Mathematics
Date: 21.11.2020
Coordinator: Dr Resmi Varghese



Participants List