



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
2021-2022

DEPARTMENT OF MATHEMATICS

REPORT OF ACTIVITIES 2021-22

The activities of the Department of Mathematics for the academic year 2021-22 started in the month of June in online mode.

The department observed **National Reading Day** on June 19, 2021 by conducting a department level reading competition. Winners of the competition are Sreelakshmi Babu, Fathima Siyad, Saina A B.

The department organised **Rev SrBencita Endowment Lecture** on July 24, 2021 as an International Webinar in which Dr Alexander Rumtantsev, Senior Researcher & Associate Professor, Institute of Applied Mathematical Research, Karelian Research Centre of the Russian Academy of Sciences, Russian Federation was the resource person. The title of the webinar was “Stability & Performance of Multi-class Stochastic Models”.

The department organised Two-days webinar on “Fundamental Rights and Right to a Healthy and Sustainable Environment: Constitutional Recognition”, in association with Lotus Nature Club, on 24th & 25th of September 2021. Ms Minimole K, Assistant Professor in Political Science, Department of Economics was the resource person.

The inauguration of Mathematics Association and National Mathematics Day Observation was conducted on 5th January 2022. Mr Prasanth V P, Associate Director, Business Solutions, IQVIA, Infopark, Kochi was the resource person. He has delivered a talk on “Data Visualisation and Statistics”. A power point presentation competition was also conducted on the topic “Significance of National Mathematics Day”, in which Hadeel Ismail of first year secured 1st prize, Anagha V of second year secured 2nd prize and Sreya Hariharan of 2nd year secured 3rd prize.

The department organised Alumna Talk on 29th January, 2022 as a webinar, in which Ms. Smera Sebastian, Analyst, TCS, Infopark, Kochi was the resource person. She has delivered a talk on “Mathematics in Corporate World”.

As part of Academic Week-ACADEMIA, the department organized INTERACT programme, in which Sree Lakshmi Babu P of 3rd year delivered a talk on Energy Conservation to third year students, on 9th February, 2022, Fathima Siyad of second year B Sc Mathematics delivered the talk to second year students on 20th January, 2022 and, first year student Anushka Anish delivered the talk to first year students on the same day. The department also took initiative to organize the ACADEMIA-ORACLE programme, together with other Science departments.

The department conducted three certificate courses in this academic year: A course on Mathematics for Competitive Examinations for first year and second year students, a course on Typesetting in Latex for third year students and a course on Problem solving in Mathematics for second year students. A Bridge Course for first year students was also conducted. The department organized remedial classes for slow learners. The department also

organized personal and group mentoring sessions for all students as per the guidance from Mentoring Cell of the college.

The Department signed MoU with SreeSankara College, Kalady to provide academic exposure and exchange of knowledge. A webinar on Laplace Transform was conducted on 29.05.2022 for the second year B Sc Mathematics students of both the colleges. Mr. Sumesh G, Assistant Professor in Mathematics, Department of Science & Humanities, FISAT, Mookkannoor was the resource person.

The department Celebrated Onam on July 24, 2021 by conducting various department level competitions.

Achievements:

DrAnsaAlphonsa Antony, Assistant Professor in Statistics, has been recognized as a Research Guide in Statistics, in M G University.

DrRasila V A , Assistant Professor on Contract has secured Ph D in Mathematics from Cochin University on her Thesis –Studies on some Steiner Distance Notions in Graphs, on 24th February 2022.

Result:

The overall pass % in University Examination of 2019-22 batch is 60%. A total of 9 students secured A+ Grade and 7 students secured A Grade.

Campus Placements:

SreelakshmiBabu of III year was placed in Gallagher, Bangalore as Process Associate. DilrubaNazeer, Lakshmi Priya PM and NihalaNazeer of III year were placed in Sutherland Global as Associate.

Extra-curricular activities/achievements:

Our students took part in the Christmas celebration organized by Students' Council, and secured third place in Wreath making competition and 3rd prize in Carol competition. Team of Sree Lakshmi Babu P & Rohini of third year secured third place in Bridal competition.

In the Arts Fest TARANG ,conducted by college Union, the following are the prizes secured by our students:

- In group events, our students secured 3rd prize for Oppana
- Collague -1st prize(secured by Fathima Abbas-II year)
- Bharathanatyam-1st prize (secured by Amisha T.A, II year)

Our students secured prizes in M G University Youth Festival 2022:

- Margamkali- A grade (in which SeethalSasi, Saina A B of 3rd year participated)
- Bharathanatyam-A grade (secured by Amisha T.A, II year)

- Thiruvathira- I Prize (in which Kavya, Rohini –III year participated)
- Oppana-1st prize(in which Nihala, Mridhula-III year participated)
- Group Dance-III prize A grade(in which Amisha T A-II year participated)