

Department of Mathematics & Statistics
Activities of the year 2019-20

I] Extension, Co-curricular & Field based Activities

- A Guest lecture was organized on Applications of Mathematics and Statistics in Biology by Ms. Moledina Rahat, SaaS Expert. It was held on July 09,2019.
- A Workshop was organized on Mathematics in Origami for FYBSc students. It was held on 12/09/2019. Thirty students participated in the event.
- A Guest lecture was organized on Legal Careers by Adv. Vrinda Daga, Director, V R Law. It was held on December 02,2019.
- ANANYA EVENT:

A treasure hunt on Sophia campus!

The Department of Mathematics and Statistics organised a treasure hunt on December 19, 2019 for the senior college students. The treasure hunt was based on statistical and mathematical crossword and word searches which led to the final clue; also included were logical reasoning questions and clues which led the participants to different rooms to find the treasure.

After many discussions and brain storming sessions, the final clues and the grid map for the treasure hunt were prepared. It was decided to conduct two rounds – Elimination and Final round. The elimination round was decided to be a quiz round and the qualifying team in this round will go to the second round which was a treasure hunt game. December 19th saw a team of very excited SYBA students who were organisers and volunteers for the event. Students participated in large numbers. After the instruction's and distribution of the first clue, as the participants ran from one room to the central lawn and back to the MPH, while suddenly finding themselves in the physics lab searching for clues, the volunteers and teachers made sure that everything went on without a glitch. Along with the participant's mathematical and statistical skills, the treasure hunt tested their logic, presence of mind, patience and most definitely speed running skills! As one clue led to another, two teams reached the Final Treasure at the Basketball court. Amidst cheers and shouts, the winning teams were congratulated and given prizes. All the participants and volunteers received certificates for their efforts and participation.

- CERTIFICATE COURSE:

Data Application Using Excel:

A Certificate course(one credit) on Data Application Using Excel was conducted for students of SYBA for academic year 2019-20. The course was of 11 sessions, each session of three hours along with assignments conducted in Computer Lab 4, first floor, Sophia College-Autonomous and

covered varied topics like Introduction to EXCEL, Formatting, Data Presentation and Graphs, Descriptive data analysis, Statistical Functions, Dispersion, Functions, Correlation and Scatter diagrams. Eleven students successfully completed the course. The course was organized and conducted by Ms Vidya Konar .

II] Training Courses, Teaching-Learning-Evaluation Technology Programme, Faculty Development Programme:

- Ms. S. Mendes delivered 15 lectures on Statistical Methods in Pathology to DCA students of Sophia College.
- Ms S Mendes delivered 3 lectures for QAFI on the **Statistical Tools used in Quality Control** in the month of September. The topics involved basic data collection methods, statistical measures and their applications in Food Tests.

III] Contribution to Department and college administration/activities :

Ms S Mendes:

- Head, Department of Mathematics & Statistics
- Member EXSP panel
- Member of Time table Committee (Science)
- Member of Admission Committee (Science)
- Member of Examination Committee (Arts)
- Junior Supervisor for the College Examinations Theory

Ms V Konar

- Member of Attendance Committee (Arts)
- Member of Admission Committee (Arts)
- Member of Remedial Committee.