



**ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA**  
REACCREDITED BY NAAC WITH A GRADE (CGPA 3.33)

**DEPARTMENT OF MATHEMATICS**  
**ANNUAL REPORT**  
**2018-2019**

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**REPORT OF ACTIVITIES 2018-19**

The activities of the Department of Mathematics for the year 2018-19 was formally inaugurated by Prof. A. Vijayakumar, Department of Mathematics, CUSAT on 25<sup>th</sup> July, followed by a talk entitled “The Man Who Knew Infinity” which was the 2<sup>nd</sup> lecture in the Late Rev. Sr. Bencita memorial lecture series. As a part of National Mathematics Day observation an Intercollegiate Math Fest and Exhibition – Tantra 2K18 was organized on 25<sup>th</sup> July, 2018. As part of the fest, an intercollegiate paper presentation competition and Ramanujan Portrait Competition were organized. The exhibition included variety of games, models, puzzles and charts that demonstrated different mathematical concepts in a basic and simple way so that it as comprehensible to even school students. Around 200 students and teachers from nearby schools and colleges came for the exhibition and participated in various competitions.

An International Workshop – Academic Support Programme for Under Graduate Students was organized on 27<sup>th</sup> November, 2018. Prof. Chia Gek Ling, Universiti Thungu Abdul Rahman, Dr. Pravas K, KKTM College, Kodungalloor and Sri. Kurian C Soman, UC College, Aluva were the resource persons. Around 100 UG students from nearby institutions benefited from the workshop.

As a part of the outreach program, the department donated a house to a poor family (Ms. Umaiba) in association with Kerala Action Force. Emergency provisions, utensils, uniform and other dresses, books, umbrellas, pillows etc were collected and donated for needy students as a part of the flood relief activities of the college. Ms. Navya Yesudas of III BSc Mathematics secured Best NSS Volunteer Secretary Award and Ms. Keerthi D. P. of III BSc Mathematics secured certificate of appreciation as NSS Volunteer Secretary from MG University. Dr. Aparna Lakshmanan serves as Single Point of Contact (SPOC) of NPTEL and received certificate of appreciation as SPOC of active local chapter. This year 8 NPTEL courses were completed by a faculty and 4 students of Mathematics department.

As a part of the academic week a talk on “Problem Solving Skill in Mathematics for Aptitude Test” was organized. Mr. Jais Kurian, St. Stephen’s college, Uzhavoor was the

resource person. An exhibition for school students “Mathematics in Daily Life” was also organized. As a part of the academic lecture series, 8 invited talks were arranged for UG students on various relevant topics by experts from various domains of Mathematics. A manuscript magazine is under preparation which will be released on the farewell day of the final year students.

### **DEPARTMENT OF STATISTICS**

As a part of the Statistics Day Observation on June 29<sup>th</sup>, an essay competition on the topic “STATISTICS- A Useful Tool For Data Analysis” was organized.