

W M O Arts and Science College, Muttil

Department of Mathematics

Annual Report 2019-20

I. Invited talks/Seminars

1. A talk on 'Integral equations' by **Mr Rashid A, Research scholar, National Institute of Technology, Surathkal** was conducted on 18-9-2019. As an alumnus of our college, he extended all support for students to do higher studies in Mathematics and prepare for entrance examinations.



2. A Regional seminar on '**Fractal Geometry**' was conducted on 18-12-2019 as part of National Mathematics Day Celebrations. **Dr. Aswathy R K, National Institute of Technology, Kozhikode**, served as the Resource Person.



3. A series of student seminars were conducted from 28-11-2019 to 2-12-2019. First year MSc Mathematics students presented various topics on Mathematics exploring new mathematical ideas.



II. Observance of National Mathematics Day

The National Mathematics Day celebrations (MAGMA- 2019) were conducted at W. M. O. Arts & Science College, Muttill on 2019 December 18-19, 2019. The Programmes included an Invited talk, Math Maze, a Presentation competition, a Treasure Hunt, and a Poster exhibition. All banners, brochures and certificates were designed and prepared by the students themselves.

1. Inauguration

The formal inauguration of National Mathematics Day celebrations was held on December 18, 2019, at 10.00 AM. Principal Dr Muhammed Fareed and Dr Aswathy R K inaugurated the programme by solving a puzzle 'Turn the circle into a square'. The Principal delivered a message regarding National Mathematics Day during the occasion and students paid tribute to the great mathematician Srinivasa Ramanujan.



2. Intercollegiate Math Maze

An Intercollegiate Math Maze was conducted on 18-12-2019. It included mathematical puzzles of various levels. Thirteen teams of two students each participated from different institutions. The winners of the Math Maze were honoured with cash prizes and certificates.

I prize: Vismaya V and Abhijith Krishna R, W M O Arts & Science College, Muttill

II prize: Jose Manual Jolly and Aravind R, St. Joseph's College, Devagiri.



3. Intercollegiate Presentation competition

As part of NMD celebrations, a Presentation competition was conducted for college students on 18-12-2019. A total of thirteen teams participated from different institutions of Calicut University and Kannur University.

Each participant was given ten minutes for a presentation. Weightage was given for the mathematical Value of the topic and clarity of presentation. **Dr Aswathy R K, National Institute of Technology, Kozhikode, Mr Sajin Gopi, Research Officer, Economics & Statistics Department, Govt. of Kerala and Mr Syam Krishnan, Kerala School of Mathematics, Kozhikode** evaluated the presentations and selected the winners.

The following students won cash prizes and certificates.

I Prize -Munavvira P M, W M O Arts & Science College, Muttill

II Prize -Ramziya E K, W M O Arts & Science College, Muttill

III Prize -Aparna P S, St. Mary's College, Sulthan Bathery



III. Association Activities

Association Secretary Mr. Muhammed Sahal O T and team co-ordinated the meetings of the Mathematical Circle and other activities like Presentation by Postgraduate students, Observance of National Mathematics Day, Kerala Piravi, Pi Day etc. The formal Inauguration of the Mathematics Association was done by Dr Aswathy R K, National Institute of Technology, Kozhikode on 18-12-2019.

1. Kerala Piravi

Celebrating Kerala Piravi on 1-11-2019, the Mathematics Association conducted 'Kuruthola 2019'. The programme was inaugurated by Dr Muhammed Safeeq, Department of Malayalam. Nehala M A spoke on 'Renaissance in Kerala.' Some of the students recited poems and conducted some language games.



IV. The Mathematical Circle

Students of Dept. of Mathematics were divided into 14 groups and they led meetings of the Mathematical Circle performing various events like Exploring new mathematical ideas, Mathematical games and puzzles, short math quizzes, Math magics, problem contests etc. A total of 10 meetings of the Circle were conducted during the year 2019-20



V. Manuscript magazine

The manuscript magazine 'Kannadi' prepared by the students of Dept. of Mathematics won the **1st Prize for the Best Magazine in the inter-department Magazine competition 2019-20**. Mr Favas and Ms Sandra Raveendran, II BSc Mathematics were the student editors of the magazine and Ms Anusree R served as the staff editor.



VI. Pi Day Celebrations

Observing Pi Day, various programmes including presentations, Quiz and puzzles were conducted by first year BSc Mathematics students and prizes were distributed to the winners



VII Study Tour

A study tour was conducted during October 12-16, 2019 to Kusal Nagar, North Karnataka. A team of 30 students and 4 teachers participated.



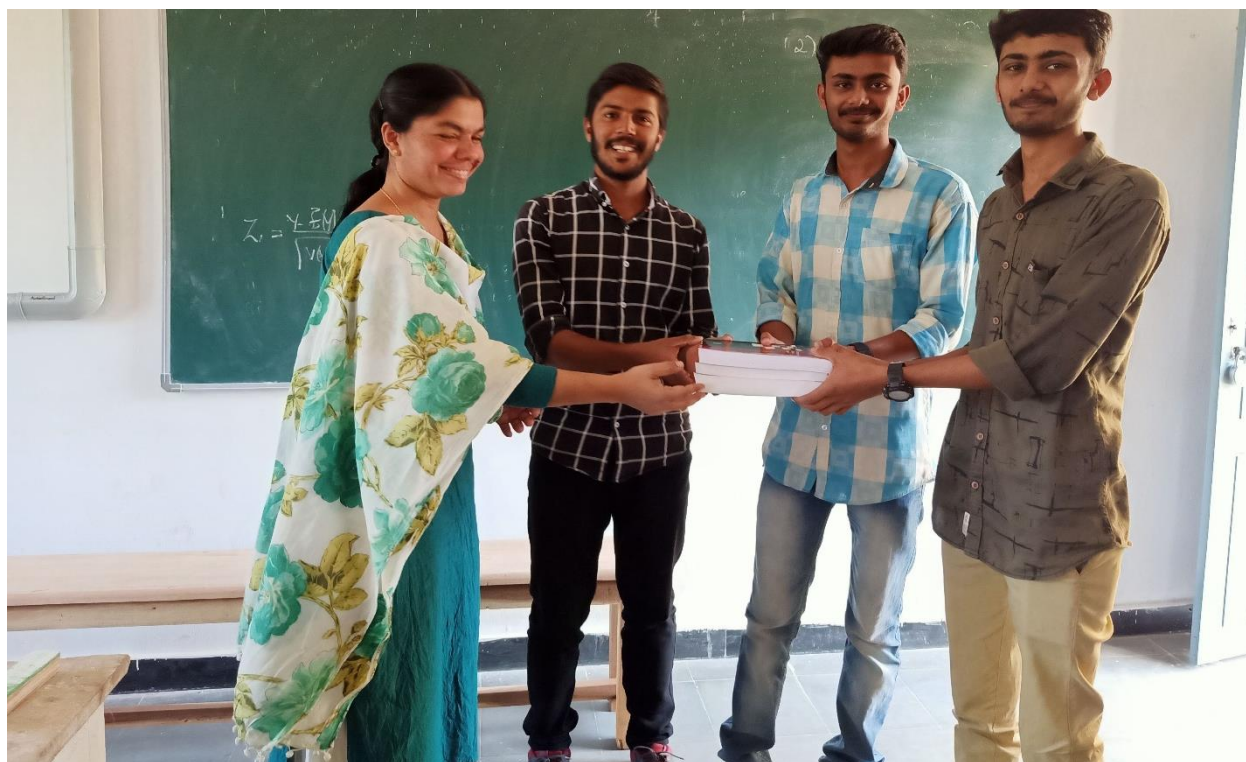
VIII College Arts Fest 2019-20

Students of the Department of Mathematics together with Dept. of Electronics won Off Stage Championship, On Stage Championship, and Overall Championship in the college Arts Fest 2019-20.



IX. Mathematical Problem Contests

During the year, five Mathematics Problems contests were conducted. Basil Eldho, Vivek T R, Vishak T R, Muhammed Sahal O T, Neerada Lakshmi and Devika Jayaprakash were the winners.



X Achievements of Students

1. Vishak T R, I MSc Mathematics qualified CSIR-UGC NET conducted during December 2019
2. Shadi Nilofer and Basil Eldho, III BSc Mathematics, won III place in the intercollegiate Mathematics quiz organized by Farooq College, Calicut on 9.11.2019.
3. Shadi Nilofer and Basil Eldho secured I prize on the intercollegiate Math quiz conducted by M.A.M.O College Manassery on 30.1.2020.
4. Shadi Nilofer and Basil Eldho won the I prize in the Mathematics Talent Hunt, conducted at MES College of Engineering, Kuttipuram on 5th February 2020.
5. Thejas Manoj, I BSc Mathematics won first prize for poster making conducted by the Dept. of Commerce at WMO College as part of celebrations of co-operative week on November 15 2019.
6. Muhammed Basheer, I BSc Mathematics won first prize for Collage making conducted by the Dept. of Commerce at WMO College as part of celebrations of co-operative week on November 15 2019.
7. Thejas Manoj won the III prize for poster making conducted by the Dept. of Social Justice, District Probation office, Kalpetta on Nov 15, 2019.
8. Basil Eldho, III BSc Mathematics won I place in Power Quiz 2019 conducted by KSEB Officers Association at W M O College, Muttil on 3.10.2019.
9. Shadi Nilofer and Basil Eldho won III place in the intercollegiate quiz organized by the Dept. of Mathematics at Zamorin's Guruvayurappan College, Kozhikode on 10th January 2020.

10. Akhil Joseph, Basil Eldho, and Sai Pranav of III BSc Mathematics won II place for Computer Gaming and Idea presentation at SNDP Yogam Arts and Science College Pulpally on 11.1.2020.
11. Basil Eldho of III BSc Mathematics secured II prize in coding (Tesla. 2.0) organized by the Dept. of Computer Science on 14th January 2020.
12. Basil Eldho secured I prize in IT quiz in CYBORG 2020, the intercollegiate IT fest organized by the Dept. of Computer Application, at W M O Imam Gazzali Arts and Science College, Panamaram on February 3, 2020.
13. Akhil Joseph and Lubama P, III BSc Mathematics won III place in the Mathematics Talent Hunt, conducted at MES College of Engineering, Kuttipuram on 5th February 2020.
14. Akhil Joseph, Basil Eldho and Sai Pranav of III BSc Mathematics secured II place in the competition session during the Science Fest at SNDP Yogam Arts and Science College, Pulpally on 11-1-2020.
15. Vivek T.R of I MSc Mathematics won II prize for Mathematical games during National level College Fest on 27.2.2020 organized by Nilgiri College of Arts and Science, Thaloor.



XI Participation in Seminars/Workshops/ Conferences

1. Anusree R and Thahira T A participated in the TCI learning workshop for teachers during November 19-20, 2019 conducted by Ruth Cohn Institute for TCI, India.
2. Santhoshkumar C G served as a Resource Person in the Inspire Science Camp organized by St Mary's College S Bathery in association with DST Govt of India
3. Viji Paul officiated as a resource person for the Talent Nurture Programme at KSOMTNP Summer contact program from 20-05-2019 to 25-05-2019.
4. Saneesh Babu, participated in the National Seminar on Linear Algebra and its Applications during October 23-25, 2019, at Govt. College, Mokeri.
5. Saneesh Babu participated in the conference on Contemporary Mathematics Education, organized at Regional Science Centre, Kozhikode during October 3-4, 2019.
6. First year MSc Mathematics students participated in the National seminar on contemporary trends in Mathematics and Physics at Nilgiri College of Arts & Science, Thaloor on September 25, 2019.

XII Extension Programmes and other services

1. Dr Viji Paul delivered a talk on Recent Trends in Mathematics on 7-1-2020 at St. Mary's College, Sulthan Bathery.
2. Santhosh Kumar C G delivered a talk on 'Applications of Mathematics' at Imam Gazali College, Koolivayal on 10-1-2020.
3. Dr Viji Paul delivered a talk on 'Beauty of doing Mathematics' at Eldho Mar Baselious College, Meenangadi on 24-1-2020.
4. Dr Viji Paul served as question paper setter for various semester examinations at Farook College, Calicut, Maharajas College, Ernakulam, and Christ College, Irinjalakkuda.
5. Dr Viji Paul officiated as judge for the Mathematics Fair in Kerala School Sasthrothsavam during November 3-4, 2019, at Concord EMHSS, Kunnamkulam.