

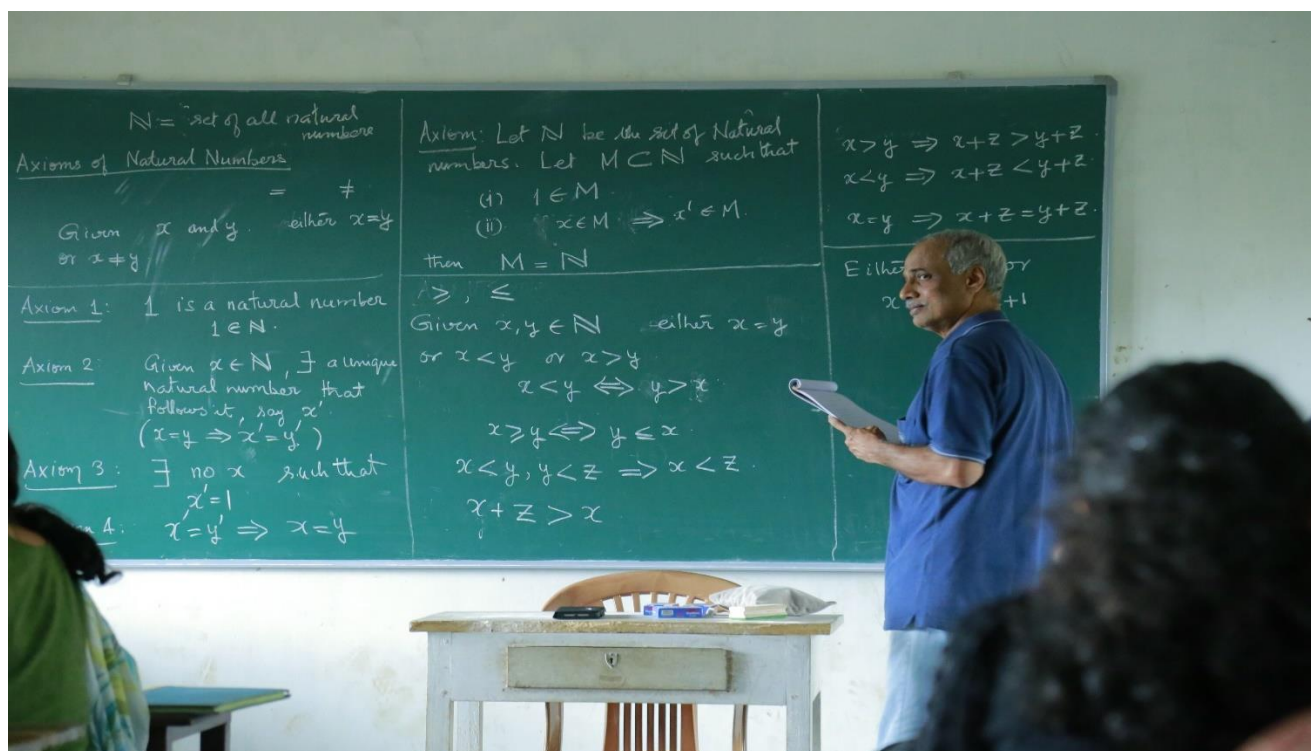
W M O Arts and Science College, Muttill

Department of Mathematics

Annual Report 2018-19

I. Invited talks/Seminars

1. A regional seminar on 'Mathematical Analysis' was conducted on August 4, 2018. **Prof. V Krishnakumar** (Visiting Professor, KSOM, Former faculty of Dept. of Mathematics, University of Calicut and NISER, Bhubaneswar) served as the resource person. Students' presentations on related topics were conducted as part of the seminar.



2. An invited talk by **Dr. A.K Nandakumaran (Professor, Indian Institute of Science, Bangalore)** on ‘**Some classical problems in Mathematics**’ was conducted on 21-12-2018. Principal Dr. Muhammed Fareed inaugurated the session and spoke on the Importance of Higher education. Eighty graduate and postgraduate students attended the program.



3. An invited talk on ‘**Mathematics and Abstract Intelligence**’ by **Dr. T.P. Muhammad Fareed**,

Principal, W M O Arts & Science College was conducted on 5-2-2019.



II. A Lecture series on ‘Measure theory and its Applications’ was conducted for postgraduate students during April 25-26, 2019. **Mr. Arunkumar C S, Cochin University of Science and Technology** was the resource person.

II National Mathematics Day Celebrations

The National Mathematics Day celebrations (MAGMA- 2018) were conducted at W. M. O. Arts & Science College, Muttill during 2018 August 3-4, with the financial support of KSCSTE(Kerala State Council for Science Technology and Environment). The Programmes included Mathematics Exhibition, Invited talks, a Presentation competition, and a Poster Presentation.

1. Inauguration

The formal inauguration of National Mathematics Day celebrations was held on August 3, 2018, at 9.45 a.m. Principal Dr. Muhammed Fareed inaugurated the programme by raising a banner for MAGMA-2018. He delivered a message regarding National Mathematics Day during the occasion and students paid tribute to the great mathematician Srinivasa Ramanujan. All banners, brochures, and certificates were designed and prepared by the students themselves.



Principal Dr. Muhammed Fareed inaugurating the National Mathematics Day celebrations (MAGMA-2018)

2. Mathematics Exhibition

A Mathematics exhibition was conducted for college students on August 4, 2018, from 9.45 am to 5 pm. About nine hundred students from different institutions visited the exhibition. Enthusiastic students put forth intriguing models, mathematical games, puzzles, geometrical attractions, manuscript magazines, and mathematics problem contests which revealed the notion that mathematics is the language with which God has written this universe. The exhibits were profoundly educative and the response from participants was overwhelming. The following students won cash prizes for the problem contests and for solving challenging mathematical puzzles.

I. Mathematics problem contest :

Mr Adharsh M V, II BSc Physics, W M O Arts & Science College, Muttill

II. Mathematical Puzzles :

- Mr Fazil, II BSc Mathematics, C M College, Nadavayal.
- Mr Adharsh M V, II BSc Physics, W M O Arts & Science College, Muttill
- Mr Aswin, II BSc Chemistry, W M O Arts & Science College, Muttill
- Mr Thamir P C , III BSc Physics, W M O Arts & Science College, Muttill
- Mr Anshiras III BA Arabic, W M O Arts & Science College, Muttill



3. Intercollegiate Presentation Competition

A presentation competition was conducted for college students on August 3, 2018. A total of twelve teams participated from different institutions of Calicut University and Kannur University. Each participant was given ten minutes for presentation. Weightage was given for mathematical value of the topic and clarity of presentation. Dr Subin P Joseph (Govt. Eng. College, Mananthavady) and Mr Sajin Gopi (Research Officer, Economics & Statistics Department, Govt. of Kerala) evaluated the presentations and selected the winners.

The following students won cash prizes and certificates.

I Prize -Mr Basil John, WMO College, Muttill

II Prize -Ms. Alma Mary Joseph, St. Joseph's College, Devgiri

III Prize -Ms Alphy M Baby, St. Joseph's College, Devgiri



Mr. Basil John receiving cash prize and certificate from the Principal Dr Muhammed Fareed.



Ms. Alma Mary Joseph receiving cash prize and certificate from the Principal Dr Muhammed Fareed.

V The Mathematical Circle

Students of Dept. of Mathematics were divided into 14 groups, and they lead 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 7 meetings of the Mathematical Circle were conducted during the year 2018-19.



VI Association Activities

1. Association Secretary Mr Mujeeb Rahman and the team coordinated the meetings of the Mathematical Circle and other activities like Observance of National Mathematics Day, Keralapiravi, Pi Day etc. The formal Inauguration of the Mathematics Association was by Principal Dr Muhammed Fareed on 5-2-2019. Presentations by Postgraduate students, Mathematics quizzes and cultural programs were conducted.



2. Celebrating Keralapiravi on 1-11-2018, the Mathematics Association conducted various programs entitled Kalanam 2018. Special talks on the 'Renaissance in Kerala' was conducted. The program was inaugurated by Dr. Muhammed Safeeq, Department of Malayalam. Mr Shyju, Assistant Professor of Malayalam delivered the keynote address. Miss. Rishana spoke on 'The History of Malayalam.' Some of the students recited poems and conducted some language games.
3. Observing Pi Day, various programs including presentations, Quizzes 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 5-8, 2018 to Kusal Nagar, North Karnataka. A team of 30 students and 5 teachers participated.



VII Mathematical Problems Contests

During the year, five Mathematics Problem contests were conducted. Mr Adharsh M V, Mr Vivek T R, Mr Vishak T R, Mr Muhammed Sahal O T and Ms. Devika Jayaprakash were the winners.

VIII Manuscript magazine

The manuscript magazine 'Karathalamalakam' prepared by the students of Dept. of Mathematics won the **1st Prize for the Best Magazine in the inter-department Magazine competition 2018-19**. Mr Sai Pranav, II BSc Mathematics is the student editor of the magazine and Ms Jojina P K is the staff editor.



X College Arts Fest 2018-19

Students of the Department of Mathematics together with Dept. of Electronics won the Off-Stage Championship, On Stage Championship, and Overall Championship in the College Arts Fest 2018-19.



XI CSIR-UGC JRF/NET/JAM Coaching

Special sessions on CSIR-UGC JRF/NET/JAM were conducted for MSc Students and II BSc Students. Teachers and students took turns and lead problem solving sessions. Vishakh T R and Vivek T R qualified JAM



XII Participation in Seminars/Workshops/ Conferences

1. Viji Paul Attended a National seminar on Mathematics as a Resource person on October 22-23, 2018 at Govt. College, Kondotty, and delivered two invited talks 'Introduction to Hypergraphs' and 'Graph Theory in Recreational Mathematics'
2. Mr. Santhoshkumar C G. and Dr. Viji Paul attended the Orientation Program for teachers at Kerala School of Mathematics, Kozhikode on September 30, 2018
3. Viji Paul officiated as a resource person for the Talent Nurture Programme at KSOM, Kozhikode during December 27-30, 2018.
4. Viji Paul participated in the workshop on Solution Based antibullying organized by W M O Arts & Science College, Muttill at HRD Centre, WMO Campus on December 17, 2018
5. Viji Paul officiated as a judge for the Mathematics Fair in Kerala School Sasthrothsavam during November 23-25, 2018 at Kannur.
6. Joseph Joy participated in the workshop on Unitary group representations at KSOM Calicut on 21-24 February 2019

XIII Extension Programmes and other services

1. Viji Paul delivered a talk on Geometry and problem solving techniques as part of the Gifted Children Programme on 22-12-2018 at S K M J High School, Kalpetta.
2. Viji Paul served as a question paper setter for various semester examinations at Farook College, Calicut, Maharajas College, Ernakulam, and Christ College, Irinjalakkuda.

XIV Achievements of Students

1. Vishakh T R and Vivek T R qualified JAM 2019
2. Intercollegiate Mathematics Quiz conducted by Farook College, Kozhikode on 21 – 2 – 2019.
I Prize – Basil Eldho and Shadi Nilofer, (II BSc Mathematics)
3. Intercollegiate Mathematics Talent Hunt conducted at M E S Engineering College, Kuttippuram on 20 – 2- 2019.
II Prize – Sarangh M J (III BSc Mathematics)
4. Intercollegiate Mathematics Quiz conducted by Unity College, Manjeri on 02-08-2018
III Prize – Kavya P V & Sarangh M J (III BSc Mathematics)
5. District level quiz competition conducted by the Department of Economics and Statistics Development (Govt. of Kerala) on 29th June 2018, as the part of 12th National Statistics Day
1st Prize –Basil Eldho (II Bsc Mathematics) & Shamil Salim (II BSc Chemistry)
2nd Prize – Sarangh M J & Kavya P V (III BSc Mathematics)
6. Intercollegiate Quiz Conducted at St. Joseph's College Devagiri, Calicut
2nd Prize – Sarangh M.J & Kavya P.V (III BSc Mathematics)
3rd Prize - Basil Eldho & Shadi Nilofer (II BSc Mathematics)
7. Inter Collegiate Quiz Competition Conducted by Mary Matha Arts and Science College on 17-01-2019
1st Prize –Basil Eldho and Shadi Nilofer (II BSc Mathematics)
8. District Level Quiz Competition Wayanad Conducted by Kerala Khadi and Village Industries Board, Thiruvananthapuram on 27-09-2018
1st Prize – Basil Eldho (II BSc Mathematics) & Shamil Salim
9. Intercollegiate Coding Competition Conducted by Department of Computer Science WMO Arts and Science College, Muttill on 25-01-2019
1st Prize – Basil Eldho and Shadi Nilofer (II BSc Mathematics)
10. District level Quiz conducted by Kerala State Youth Welfare Board on 10-01-2019

Subject : വിവേകാനന്ദ ആശയങ്ങളും വർത്തമാന കാലഘട്ടവും

2nd Prize – Sarangh M.J (III BSc Mathematics) Basil Eldho (II BSc Mathematics) and they were selected for State Level Competition

11. ബഷീർ അനൂസ്ഥരണ ക്വിസ് conducted by Malayalam Department (WMO Arts and Science College, Muttill) on 5-7-2018
1st Prize –Rishana K (II BSc Mathematics)
2st Prize –Basil Eldo (II BSc Mathematics)
12. Intercollegiate Spell Bee Competition Conducted at WMO Arts and Science College Muttill on 06-03-2019
1st Prize –Ashley Parveen (III BSc Mathematics)
13. National Level IT Fest BLITZ 2019 Conducted by DON BOSCO COLLEGE on 01-02-2019.
3rd Prize -- Basil Eldho (II BSc Mathematics)
14. Women's Day Celebration Conducted by District ICDS Cell പ്രസംഗ മത്സരം on 06-03-2019
1st Prize –Muhammed Shibily (I BSc Mathematics)
15. നാലാമത് പി.കെ.കാളൻ സ്മാരക അഖില വയനാട് ക്വിസ് മത്സരം on 26-01-2019
3rd Prize – Basil Eldho (II BSc Mathematics)
16. Face Painting Competition Conducted by Department of Mass Communication on 01-11-2018, as part of Kerala Piravi celebrations
1st Prize – Jasmine C.H & Ayisha Nusfath (I BSc Mathematics)
17. Environmental quiz conducted by Department of Communication and Journalism (WMO Arts and Science College, Muttill)
3rd Prize – Kavya PV and Sarang MJ (III BSc Mathematics) and Basil Eldho (II BSc Mathematics)
18. Intercollegiate Presentation Competition Conducted by Department of Computer Science WMO College of Arts and Science Muttill on 25-01-2019
1st Prize – Nijil V (I BSc Mathematics)
19. General Quiz Conducted by Department of Chemistry (WMO College of Arts and Science, Muttill) on 24-10-2018
1st Prize – Ajmal T.M & Althaf P. V (I BSc Mathematics)



