

"education and some more"

Affiliated to University of Calicut

(Aided by Govt. of Kerala)

P.O. MUTTIL, WAYANAD, KERALA - 673122

Phone: 04936-203382 (Office) 04936-207532 (Principal)

e-mail: wmocollege@gmail.com website: WWW.wmocollege.ac.in

### I. Students' Strength

Sl No	Class	No of Boys	No of Girls	Total
1	I BSc Mathematics	14	34	48
2	II BSc Mathematics	5	30	35
3	III BSc Mathematics	8	31	39
4	I MSc Mathematics	2	20	22
5	II MSc Mathematics	5	25	30
Total		34	140	174

### II. Faculty

- 1. Dr Viji Paul
- 2. Santhosh Kumar C.G
- 3. Mini C
- 4. Aswathi K
- 5. Fathima Sithara
- 6. Afeera M
- 7. Drishya T Das
- 8. Alsha Joseph

## III. Invited talks/Seminars/Workshops

1. An Online Lecture series on 'Pathway through Differential Geometry' was conducted for postgraduate students of Mathematics during 18-01- 2022 to 11-02-2022. Mr. Arunkumar C S, Kerala School of Mathematics was the Resource person.

Sample video lectures

1. Lecture series on 'Differential Geometry No. 3

Link: <a href="https://youtu.be/rpZuHC8itfA">https://youtu.be/rpZuHC8itfA</a>

2. Lecture series on 'Differential Geometry No. 4 Link: https://youtu.be/ZE0OBaAw7I0

3. Lecture series on 'Differential Geometry No. 5

Link: https://youtu.be/TFCpHUKkwYw

2. An Exploratory talk on 'Mathematics and Music' was conducted on 6-9-2021 by Ms. Avina V, II MSc Mathematics through Google Meet.



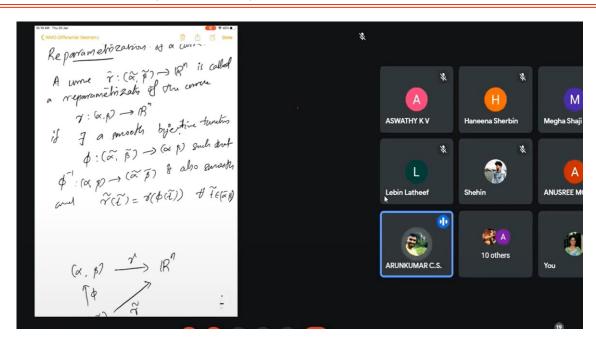
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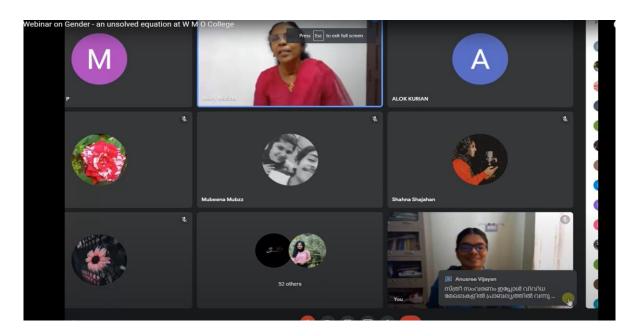
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### IV. Webinar on 'Gender - An Unsolved Equation'

A Webinar on 'Gender – An Unsolved Equation' was conducted on 29-03-2022. Dr. Mary Matilda, Special Grade Principal(Rtd) Maharajas College, Ernakulam, served as the Resource person. Principal Dr. T P Muhammed Fareed inaugurated the webinar. A total of 120 students and parents participated and appreciated the program.





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### V. Webinar on Corona- the present Pandemic

A Webinar on 'Corona- the present Pandemic' was co-ordinated by I year B Sc mathematics students during July 17-18, 2021 using the online platform Google Meet. The impact of Covid 19 in various sectors was studied, analysed, and presented. Ten presentations were conducted. About 130 participants attended the webinar. An active discussion was held after the students' presentations. The recorded videos of the webinar are published on YouTube.

Google Meet Link: https://meet.google.com/ukr-nwoq-wnr

The presenters and the topics are the following.

1. Muhseena KTP : Lifestyle and self-protection

2. Soumya S : Mental Health of Individuals

3. Shamila K K : Children and Social life

4. Hasna T H : E-learning

5. Rifah Reslin : Growth of Digital Platform

6. Rahila K K : Impact on Indian Economy

7. Naseeba Sithara :Effect on Agriculture

8. Arathi Anil : Changes in Tourism Sector

9. Varsha E :Lockdown effects in India

10. Aneeza Fathima : Vaccination- Method to curb Covid 19

#### Link to the YouTube videos of the webinar

1. Day 1: https://youtu.be/btFzfjK0bJc

2. Day 2: https://youtu.be/ vmHX40iGOk



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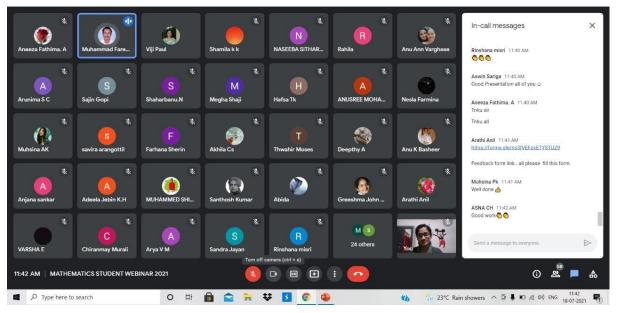


WMO ആർട്ട്സ് ആൻമ് സമ്പൻസ് കോള്ക്ക് : മുടിൽ BSC മാത്തമാറ്റിക്സ് ഒന്നാം വർഷ വിദ്യാർത്തിക്കൾ അവതരിപ്പിക്കുന്ന മുിദിന വെബിനാർ 2021 ജ്യൂലെ 17,18 രാവിലെ 10.30 - 11.30

"Corona - The present pandemic"

രാനവരെല്ലാം വിടിന്റെ അമത്ത്യേക്കുള്ളിൽ ഒരുക്കോണ്ടി വരുന്ന പേക്ത്യക അവസ്ഥയില്യുടെയാണ് നമ്മുളിന്ന് രോഗം വിവിധ മേഖലകൂളിൽ വരുത്തില് ഭരുയാതം എന്ത്രത്തോളമാണെന്ന് ഗണിത സഭങ്കേതങ്ങളും സ്ഥിതി-വിവരക്കുന്നുക്കായും ഇറ സംഗമത്തിലേക്ക് ഏവരെയും പിരിശോധിക്കുടത്തി ത്വാഗതം ചെയ്യുന്നും

> ഗണിത ശാസ്ത്ര കുട്ടളംബം WMO ഭകാളേജ് , മ്യൂടിൽ





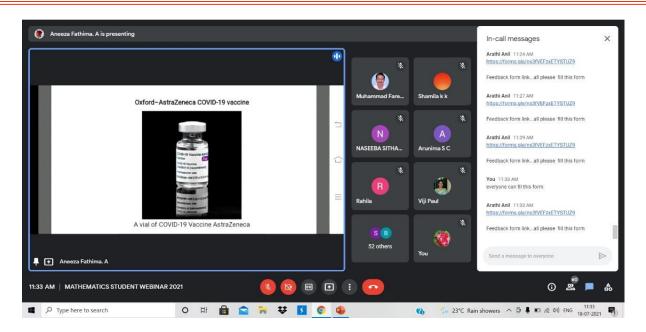
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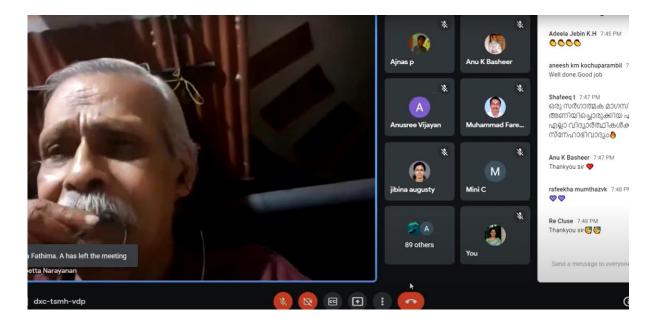


### VI Manuscript magazine

Students of the department bring out manuscript magazines every year from 2010 onwards. Due to the pandemic induced situation, the magazine for the year 2020-21 'വസന്തര ഇങ്ങനെയായാൽ പൂക്കളോട് പോലുര ഞങ്ങൾ കലഹിച്ചു പോകുര ' was published as E-magazine on 5-8-2021. Sri Kalpetta Narayanan released the E-Magazine and delivered the inaugural address. Mr Ajnas P and Ms Anu K Basheer are the student editors of the magazine for the year 2020-21.

#### Link to the magazine:

https://online.fliphtml5.com/wrxox/gmcp/?1628131013594#.YQtO87gawB4.whatsapp





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### VII Observance of National Mathematics Day (MAGMA 2021)

Observing National Mathematics Day, various programs were conducted on 22-12-2021 under the title MAGMA- 2021. Dr. Muhammed Fareed T P, Principal W M O Arts and Science College inaugurated the program. The Programmes included Exploratory talks by students, Slide presentations, quizzes, Mathematical puzzles, and games. A Christmas Carol was performed by the students celebrating Christmas. The cultural program was organized as part of the celebrations which showcased the talents of students.





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### **VIII The Mathematical Circle**

The Mathematical Circle is a platform designed to experience the challenges and thrills of Mathematics. It helps students to pose and solve non-routine problems and do Recreational Mathematics. Students of Dept. of Mathematics are divided into 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 online meetings and one offline meeting of the Circle were conducted during the year 2021-22.



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### **IX Mathematical Problems Contests**

With the aim of motivating the students, Mathematics Problem Contests are conducted every month which is designed to challenge the students and bring the best in them to the fore. The problems are of a very different nature from the problems students usually encounter during their college curriculum. Winners are honoured with prizes during the meetings of the Mathematical Circle. During the lockdown period, 22 online Mathematical Problems Contests were conducted by Teachers, Alumni, and students.



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After the reopening of offline classes, 6 mathematical problems contests were conducted during the year 2021-22. Sarang M J, Basil Eldho, Aleena K, Munavvira P M, Naseeba Sithara, and Devika Jayaprakash were the winners.

DEPARTMENT OF MATHEMATICS

WMO ARTS AND SCIENCE COLLEGE, MUTTIL

#### MATHEMATICS PROBLEM CONTEST 101 - RESULT

WINNER - ALEENA K. (D1 MATHEMATICS)

#### CONSOLATION PRIZE:

- 1. Jadva Jabir (D1 Mathematics)
- 2. Munavvira P.M.(D3 Mathematics)
- 3. Naseeba Sithara(D2 Mathematics)
- 4. Saradha S. (D1 Mathematics)
- 5. Shehana Sherin T.K. (D1 Mathematics)

#### CONGRATULATIONS!!!

Date:28-01-2022

HEAD OF THE DEPARTMENT

### **X** Ability Enhancement programme

To enhance the abilities of postgraduate students, a series of presentations were conducted during December 6-7, 2021. Eighteen students presented on various topics and it could develop their analytical, communication, and presentation skills and build their confidence. The presentations were interactive with students and teachers asking questions. The presentations had a positive impact on the students as they provided an opportunity to showcase their talents and skills. Students submitted reports of their presentations and necessary suggestions were put forward by concerned faculty to improve their quality of writing.





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### XI Induction programme and Entry level test

The induction program for l MSc Mathematics students was conducted from 10-12-2021 to 22-12-2021 using online platforms. An Entry level test for l MSc Mathematics students was conducted on 7-01-2022.

### XII Orientation programme for I BSc Students

Orientation program for I Year BSc Mathematics Students in association with Triz learning App on 20-1-2022





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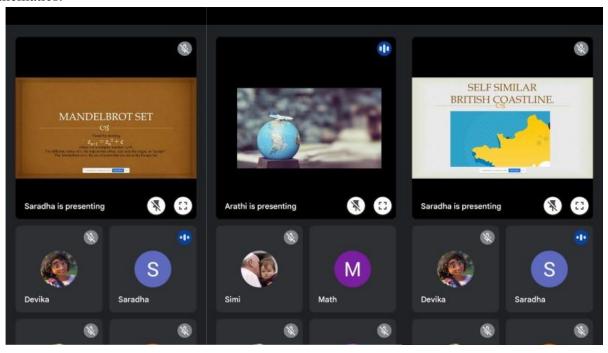
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### **XII Students' Presentations**

As part of imparting **Certificate Course on Recreational Mathematics**, student presentations were conducted in December 2021 through Google meet. The talks were on exploratory topics in mathematics.



### XIII Observance of Pi Day

The Pi Day celebrations (Ludolphian 2022)were co-ordinated by I MSc Mathematics students on 14 - 3- 2022. The programs were inaugurated by Mr. Siby Joseph, Associate Professor and Head, Dept of Electronics. Saradha S of I BSc Mathematics delivered a talk on the 'Importance of Pi'. A Puzzle corner was set up near Athimarachuvadu for students of other departments. An interdepartmental Treasure hunt was conducted in the campus. Students of II year B Com Computer Applications won the first prize and cash award.





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## XIV Field trips

A study tour for final year BSc Mathematics students was conducted during 13-1-2022 to 15-1-2022 to Alappuzha, Ernakulam and Ramakkalmedu. A team of 30 students and 3 teachers participated.

A study tour for MSc Mathematics students was conducted from 13-5-2022 to 16-1-2022 to Alappuzha and Ernakulam. A team of 20 students and 1 teacher participated.

A field trip to En Ooru was conducted by II MSc Mathematics students on 9-6-2022. 19 students participated



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### **XV** Association Activities

A get together of staff and students of the department and Circle meet for freshers was conducted on 21-11-2021 to congratulate achievers of the department and welcome the freshers.

A **Farewell meet** was organized by second year students on 24-05-2022. Students and teachers shared their memories and some cultural events were carried out.





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### XVI Inspire Scholarship

Saradha S, Sebin Mathew and Bhaghyalakshmi V of I BSc Mathematics were selected INSPIRE Scholarship (SHE) executed by Department of Science and Technology (DST), under the Ministry of Science and Technology, Government of India

### XVII Extension Programmes and other services

- 1. Dr Viji Paul served as the resource person for the "Gifted Children Program' on 19-12-2021 and delivered a talk on 'Mathematics in Daily life'
- 2. Dr Viji Paul delivered a talk on 'Beauty of doing Mathematics' at NSS College, Mattannur on 02-3-2022 through Google meet
- 3. Dr Viji Paul served as a course counselor for graduate-level projects of some students of Indira Gandhi National Open University(IGNOU).
- 4. Dr Viji Paul and Mr Santhoshkumar C G served as question paper setters for various semester examinations at various institutions in Kerala.
- 5. Students of II BSc Mathematics (Arathi Anil, Varsha) initiated Break time online Tutoring (Amitie) for High School Students

### **XVIII** Achievements of Students

Students participated in various intercollegiate events and interdepartmental events and won many prizes.

The following are some of the achievements of students during 2021-22.



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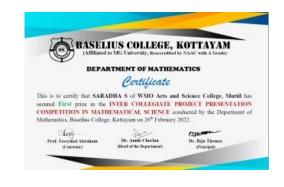














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#### List of achievements

- 1. Vishakh T R secured 7<sup>th</sup> rank in the MSc Mathematics Programme of the University of Calicut in 2021
- 2. Rahila K K, II BSc Mathematics won first prize for National level online Mathematics Quiz conducted by Nirmala Memorial College of Commerce and Science, Mumbai on July 23, 2021.
- 3. Rahila K K, II BSc Mathematics won first prize for the National level Quiz conducted by P N Panicker Foundation on 19-6-2021, in collaboration with NITI Ayog, Ministry of Education, National Digital Library of India.
- 4. Rahila K K, II BSc Mathematics won First prize and cash award for Intercollegiate Mathematics Quiz conducted by Assumption College, Changanacherry on 19 8 2021.
- 5. Rahila K K, II BSc Mathematics won Second prize and Cash award for the Intercollegiate Mathematics Quiz conducted by Baselius College, Kottayam on 15-9-2021.
- 6. Arathi Anil, I BSc Mathematics won third prize in 'The one in books competition' conducted by the Department of Computer Science on 26-6-2021.
- 7. Rahila K K, II BSc Mathematics won first prize in Quiz competition in connection with World Environmental day at W M O College, Muttil.



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- 8. Asna C H, I MSc Mathematics, Shabna, II BSc Mathematics, Arathi Anil, 1 Bsc Mathematics, Saneesh Babu, II Msc Mathematics, won in "Ente Ishta pusthakam" Conducted Reader's Forum and Dept. of Malayalam on 19-6-2021.
- 9. Rahila K K, II BSc Mathematics & Febina C I, III BSc Mathematics selected to state level in All Kerala Career Quiz
- 10. Seethalakshmi K V, III BSc Mathematics won the Natural Photography Contest conducted by the Dept. of Arabic on 8-6-2021
- 11. Arunima S C , II BSc Mathematics won I prize of the Hindi Manch, Gandhi Jayanti Programme held on October 2, 2021
- 12. Rahila K K of II BSc Mathematics won First prize in the National level Online Mathematics Quiz conducted by Nirmala Memorial College of Commerce and Science, Mumbai on July 23, 2021
- 13. Rahila K K of Il BSc Mathematics won First prize and cash award for the Intercollegiate Mathematics Quiz conducted by Assumption College, Changanacherry on 19-8-2021.
- 14. Rahila K K of II BSc Mathematics won Second prize and cash award for the Intercollegiate Mathematics Quiz conducted by Baselius College, Kottayam on 15- 9-2021
- 15. Saradha S of I BSc Mathematics won ll Prize of the Intercollegiate online PPT competition on 'Mathematics discoveries that changed the world' conducted by St Joseph's College, Irinjalakuda on 20 October 2021
- 16. Saradha S of 1 BSc Mathematics won First prize in the intercollegiate project presentation competition in Mathematics conducted by Baselius College, Kottayam held on 26-2-2022
- 17. Rahila K K of ll BSc Mathematics won First prize in the Intercollegiate Mathematics Quiz conducted by KE College, Mannanam on 25- 2-2022.
- 18. Saradha S of I BSc Mathematics won second prize in the Math Designer contest conducted by MES college Marampally held on 26-2-2022



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- 19. Rahila k K of Il BSc Mathematics won second prize in the Math solver contest conducted by MES college, Marampally held on 26-2-2022
- 20. Muhasina Sherin of I BSc Mathematics won First prize in the Reading Competition conducted by Readers club, Dept. of English and Library observing World Book Day on 03-03-2022.
- 21. Alok Kurian of I BSc Mathematics won First prize in the Reading Competition conducted by Readers club, Dept. of English and Library observing World Book Day on 03-03-2022
- 22. Rahila K K of II BSc Mathematics was selected for Mathematics Training and Talent Search Program (MTTS) 2022.
- 23. Sarang M J and M J Abhina V of I MSc Mathematics won first prize in the Quiz conducted by the Dept. of Social Work on 21-2-2022 as part of celebrations of World Day of Social Justice.
- 24. Rahila K K and Arathi Anil of II BSc Mathematics won second prize in the Quiz conducted by the Dept. of Social Work on 21-2-2022 as part of the celebrations of World Day of Social Justice.
- 25. Saradha S, 1 BSc Mathematics won Third prize in the Paper presentation competition conducted on 11-3-2022 by Rajagiri School of Engineering and Technology, Kochi.
- 26. Rahila K K, ll BSc Mathematics won First place in the District level Essay writing competition conducted by the Department of Food and Civil Supplies & Consumer Affairs, Govt. of Kerala on 15-3-2022.