

W M O Arts and Science College, Muttill

Department of Mathematics

Annual Report 2020-21

I. Students Strength

Sl No	Class	No of Boys	No of Girls	Total
1	I BSc Mathematics	6	31	37
2	II BSc Mathematics	8	31	39
3	III BSc Mathematics	11	33	44
4	I MSc Mathematics	5	22	27
5	II MSc Mathematics	3	17	20
Total		33	134	167

II. Faculty

1. Dr Viji Paul
2. Santhosh Kumar C.G
3. Mini C
4. Thahira T A
5. Chiranmay Murali
6. Anusree R
7. Jibina Augusty
8. Fathima Sithara
9. Afeera M

III. Invited talks/Seminars/Workshops

1. An Online Lecture series on 'Measure theory' was conducted for postgraduate students of Mathematics during the third week of July 2020. Mr Arunkumar C S, Kerala School of Mathematics was the Resource person.

Resource Person:


Mr. Arun Kumar C S
Kerala School of
Mathematics, Kozhikode

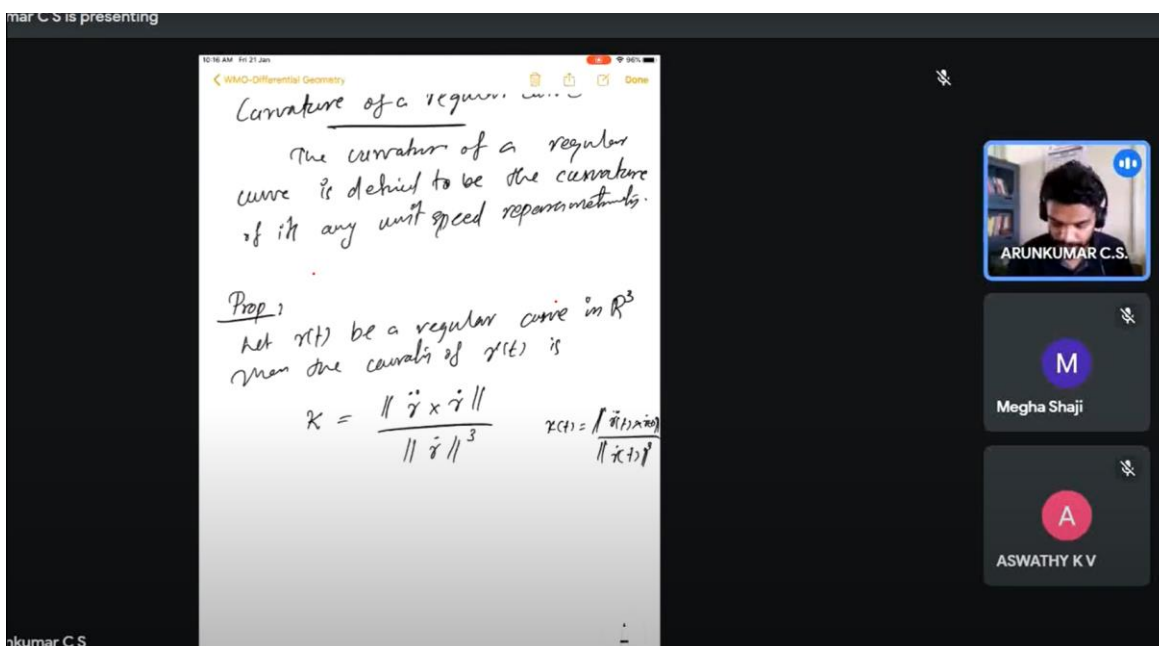
Date : 23/07/2020
Time: 11 a.m
Platform: Google Meet

Meet
link <https://meet.google.com/ioz-xdtt-txn>

Online Lecture Series
Organized by
**Department
of Mathematics**
W M O Arts and Science
College, Muttill

Topic
*"Introduction to
Measure Theory"*





IV. Webinar on ‘Kerala PSC Research Officer and Statistical Investigator - Prospects and Challenges’

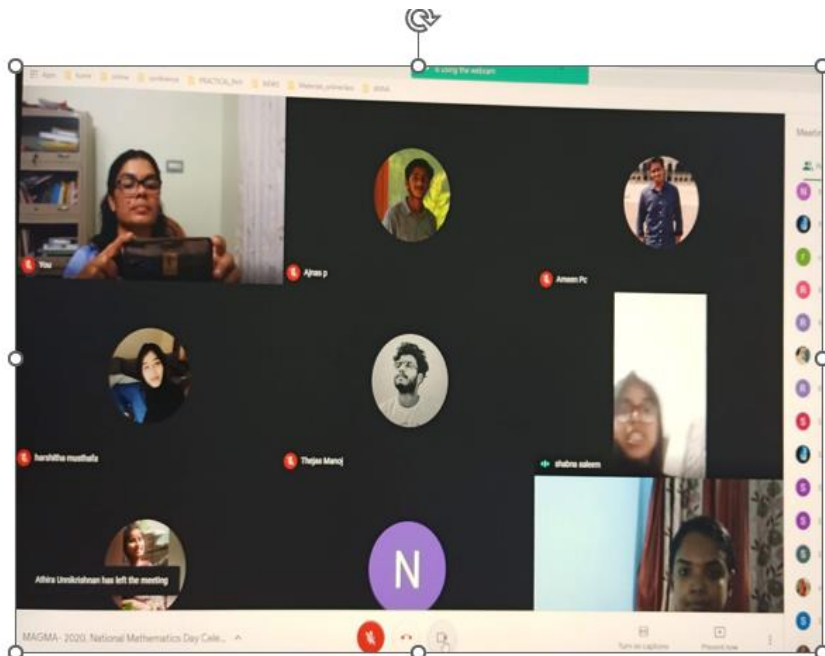
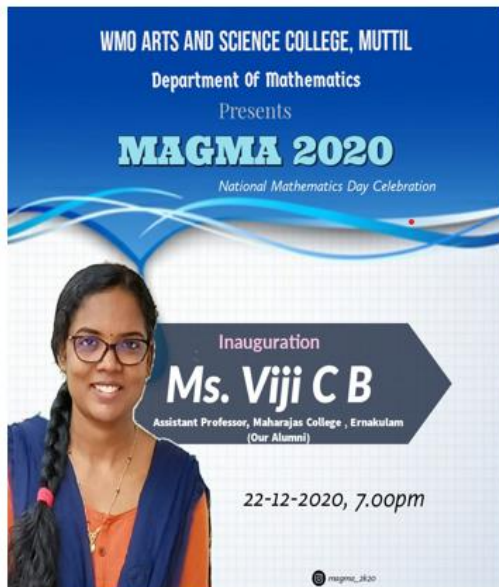
A Webinar on ‘Kerala PSC Research Officer and Statistical Investigator - Prospects and Challenges’ was conducted on 22-01-2021. Mr. Sain Gopi, Research Officer, Department of Economics and Statistics, Govt. of India, and Mr Aneesh K M, High School Assistant, GHSS, G H S S Tharuvana were the Resource persons. Principal Dr. T P Muhammed Fareed delivered the keynote address. A total of 120 aspirants participated and appreciated the program.

Webinar on Kerala PSC -RO AND SI- prospects and possibilities YouTube video uploaded
Link: <https://youtu.be/cgfw1ufexPM>



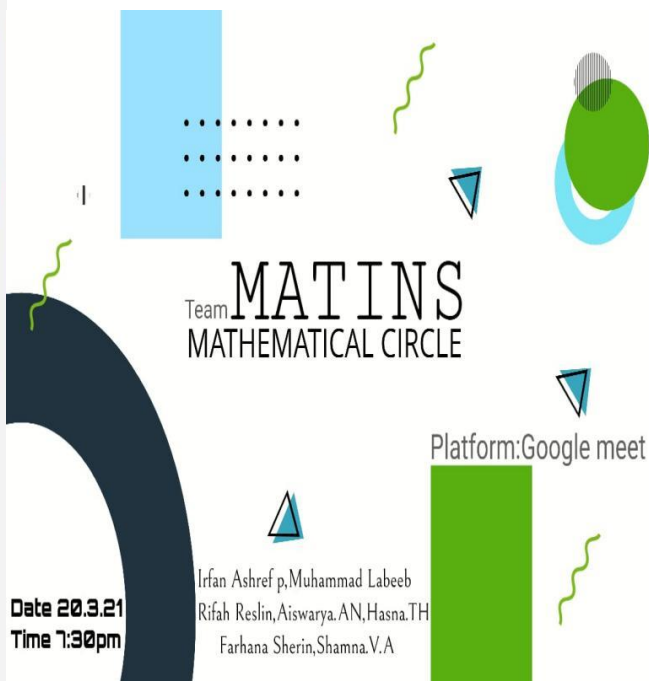
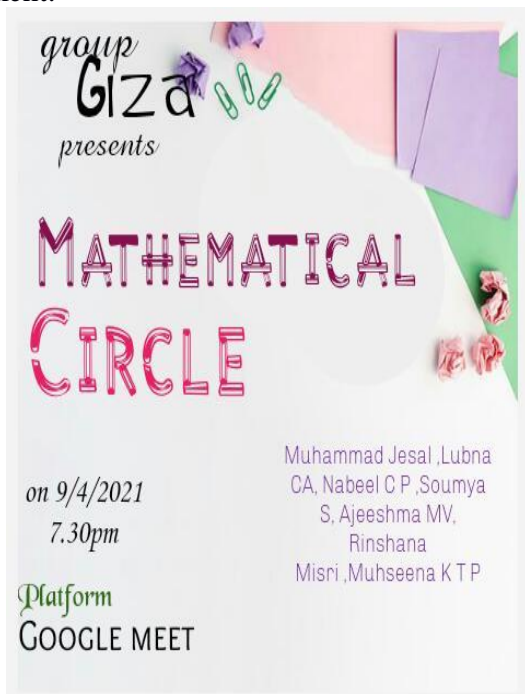
V Observance of National Mathematics Day(Magma -2020)

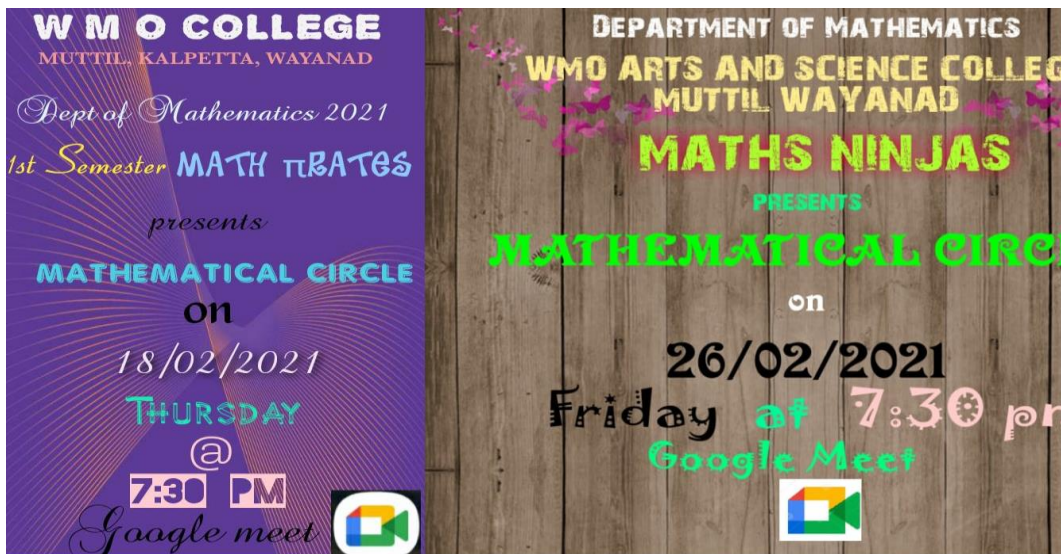
The National Mathematics Day celebrations (MAGMA- 2020) were conducted using online platforms on 22-12-2020. Ms. Viji C B, Assistant Professor, Maharajas College, Ernakulam, who is also an alumnus of our college inaugurated the program. The Programmes included Exploratory talks, Slide presentations, Quiz, Mathematical games poster presentations.



VI The Mathematical Circle

Students of Dept. of Mathematics were divided into groups and they lead meetings of the Mathematical Circle through online platforms performing various events like Exploring new mathematical ideas, Mathematical games and puzzles, short math quizzes, Math magics, problem contests, etc. A total of 9 meetings of the Circle were conducted during the year 2020-21. The topics discussed in the Mathematical Circle were according to the syllabus of the Certificate course in 'Recreational Mathematics' designed in the department.





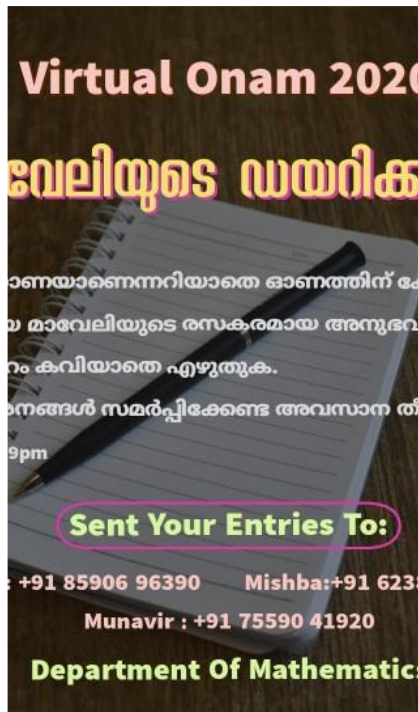
VII Mathematical Problems Contests

In the month of March 2020, the outbreak of Covid-19 led to a long lockdown declared by the Government. Alumni of the Department of Mathematics suggested conducting online activities for the students of Mathematics. A total of 22 Mathematical Problem Contests were conducted during the lockdown, using online platforms. Students, Teachers, and Alumni of the department took turns to organize the contests. Prizes were sponsored by Teachers and Alumni. Sarang M J, Rashid A, Sajin Gopi, Basil Eldho, Saneesh Babu, Vishnu P V, Akhil Joseph, Rishana, Muhammed Sahal O T, Joseph Joy, Farseena E K, and Deepthi were the winners.

VIII Association Activities

1. Various cultural programs and competitions (**Virtual Onam 2020**) were conducted as part of Onam celebrations through online platforms during August 2020. The program included Cartoon making competition, Mathematical flower carpet competition, Diary of Mahabali, Penning the Experiences of Covid-19, etc.





2. A get-together of staff and students of the department named 'MERAKI' (The summation of Relations) Was conducted on 26-02-2021 to congratulate achievers of the department and welcome the freshers



3. A Farewell meet was organized by second year students on 9-4-2021. Students and teachers shared their memories, and some cultural events were carried out.

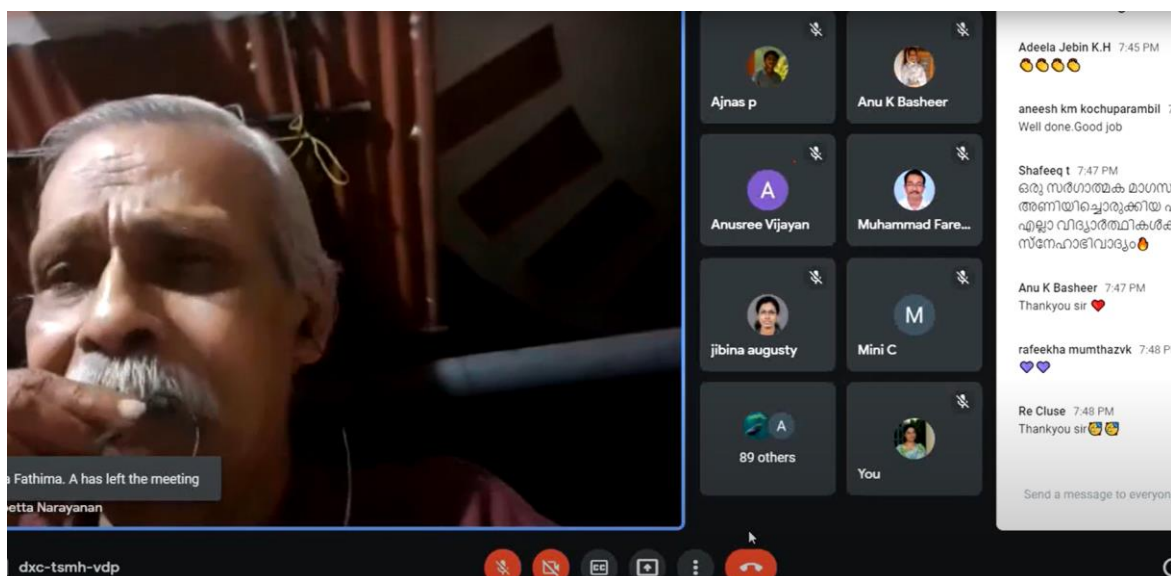
IX Manuscript magazine

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 'വസന്തം ഇങ്ങനെയായാൽ പൂക്കളോട് പോലും ഞങ്ങൾ കലഹിച്ചു പോകും' 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 video: <https://youtu.be/Q7TU1wVSR7Y>

Link to the magazine:

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



X Participation in Seminars/Workshops/ Conferences

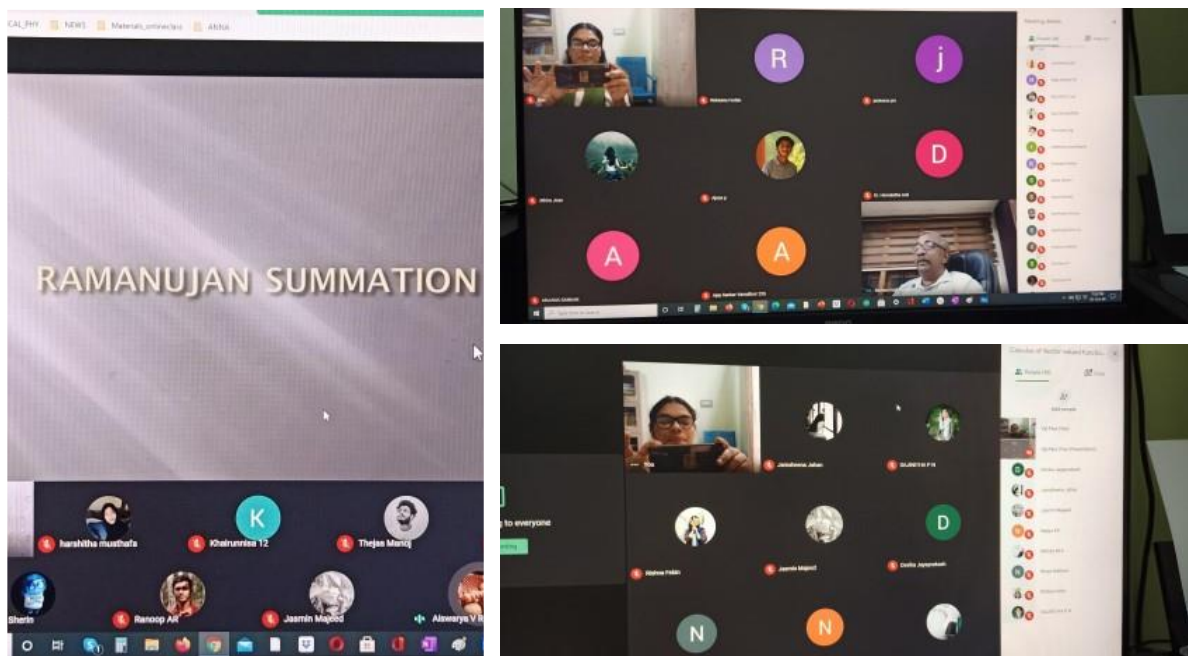
Students and teachers of the department participated in several webinars, workshops, and conferences during the year 2020-21 through online platforms.

XI Bridge courses and Remedial programs

1. Bridge course for I year Physics/Electronics / Chemistry students was conducted during 1-3-2021 to 10-8-2021 through online platforms
2. Remedial coaching for II year Physics/Electronics/ Chemistry students was conducted from 24-1-2021 to 10-2-2021
3. Remedial coaching for III year BSc Mathematics students from 10-4-2021 to 10-5-2021 through online platforms

XII Certificate course on Recreational Mathematics

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



XIII Students Initiative for JAM/NET coaching

During the lockdown period due to Covid pandemic, undergraduate and postgraduate students of mathematics formed WhatsApp and Telegram groups to prepare for competitive examinations and held active discussions. Students and teachers posted problems in the groups and conducted practice tests.

XIV Extension Programmes and other services

1. Dr Viji Paul participated and chaired a session in the International Web Conference on Signed Graphs and Allied Areas (ICSGAA - 2020) conducted by Central University of Kerala, Kasaragod during 07-09, December 2020.
2. Dr Viji Paul served as the resource person for a Webinar at SNDP Yogum Arts & Science College, Pulpally and delivered a talk on 'Calculus of one variable' on 25-09-2020.
3. Dr Viji Paul and Mr Santhoshkumar C G served as question paper setter for various semester examinations at various institutions in Kerala.

XIV Achievements of Students

1. Vishakh T R secured 7th rank in the MSc Mathematics Programme of the University of Calicut in 2021
2. Vishak T R, II MSc Mathematics qualified CSIR-UGC NET conducted during November 2020. (He has also qualified for CSIR-UGC NET conducted during December 2019)
3. Rahila K K, I BSc Mathematics won first price in the District level Power Quiz Competition conducted by KSEB officers Association on 27-11-2020.
4. 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.
5. 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.
6. 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.
7. 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.
8. Ayisha Liya, II BSc Mathematics won third prize for Hindi elocution conducted by the Department of Hindi in connection with the Hindi Day celebration on 15/9/2020
9. 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.
10. Rahila K K, I BSc Mathematics won first prize in a Quiz competition in connection with World Environmental Day at W M O College, Muttill.

11. Rahila K K, I BSc Mathematics was selected as the Pounce champion in the State level Power Quiz competition conducted by KSEB Officers Association on 28-12-2020.
12. Rahila K K, I BSc Mathematics won first prize in the Mathematics Quiz conducted by Malabar Christian College, Kozhikode on 9-1-2021.
13. Rahila K K, I BSc Mathematics won first prize & Athira Pradeep III BSc Mathematics won third prize for a Quiz competition conducted by the Department of Economics in connection with international book day on 23-4-2021.
14. Asna C H, I MSc Mathematics, Shabna, II BSc Mathematics, Arathi Anil, I Bsc Mathematics, Saneesh Babu, II Msc Mathematics, won in " Ente Ishta pusthakam" Conducted Reader's Forum and Dept. of Malayalam on 19-6-2021.
15. Rahila K K, I BSc Mathematics & Febina C I, III BSc Mathematics selected to state level in All Kerala Career Quiz
16. Seethalakshmi K V, III BSc Mathematics won the Natural Photography Contest conducted by the Dept. of Arabic on 8-6-2021
17. Vivek T R, MSc Mathematics won II prize for Mathematical games during National level College Fest organized by Nilgiri College of Arts and Science, Thaloor
18. Avina A S , II MSc Mathematics won second prize in a reading competition conducted by Library at W M O Arts & Science College during June 2020.
19. Asmabi P K , I MSc Mathematics won first place in the Quiz competition conducted on the reading day at W M O Arts & Science College, in June 2020.
20. Rahila K K of I 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
21. Rahila K K of II BSc Mathematics won First prize and cash award for the Intercollegiate Mathematics Quiz conducted by Assumption College, Changanacherry on 19-8-2021.
22. 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
23. Saradha S of I BSc Mathematics won II Prize of the Intercollegiate online PPT competition on 'Mathematics discoveries that changed the world' conducted by St Joseph's College, Irinjalakuda