

ASSOCIATION REPORT 2021-2022

WORLD ENVIRONMENT DAY 2021

JUNE 5, 2021

World Environment Day is celebrated annually on 5 June and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment.

Departments of Mathematics and Statistics celebrated World Environment Day as the first programme of the academic year 2021 – 22 . The meeting for the same has been held virtually through Google Meet on May 31st. The theme of this year's World Environment Day is 'Ecosystem Restoration'. So we decided that instead of quiz and other competition we should do something for nature. That's why we have run this programme on five themes. We made a brochure for the programme to inspire the students from the other departments too. The programme was entitled as 'WED 21'.



The themes included were:

1. PLANT TREES

There are many environmental benefits of planting a tree. Strategically planting trees around your home have tremendous benefits on the environment. Not only it help in restoring life quality but contribute to environment and help fight climate change. In

addition to the students of Maths department, the students from other departments also took an initiative in planting trees.



2. REUSE

Green house gases are a major reason for increasing pollution level in our environment. The manufacturing of plastic produces a huge amount of green house gases. Recycling plastic instead of manufacturing it from scratch here indirectly reduces emission of these gases. So the students tried their best to make useful materials out of the discarded plastic.



3. RECREATE



4. POSTER MAKING

A poster makes an immediate visual impact on audience. To spread the message of importance of protecting the environment, many students have made motivating posters to save our environment. This also helped to express and enhance their poster making skills.



5. MAINTAINING IMMACULATE SURROUNDING

A clean environment is vital to not only our own healthy living, but survival of all living things. The importance of caring for the environment is absolutely paramount for many for many reasons. Perhaps most importantly, we need to make sure that we have this place better than we came for next generations. In the eve of World Environment Day we made sure that we will treat our nature with almost care by cleaning the surrounding, reducing energy consumption, reusing and recycling plastic materials.



All the undergraduate students of Mathematics Department have actively participated in this programme along with the students of other departments. The students had send photos of what they did for nature in this environment day and we created a video tribute using those photos and posted it in various social media platforms.

“The environment is in us, not outside us. The trees are our lungs; the rivers are our blood streams. We are all interconnected and what you do to environment and ultimately you do to yourself ”. So it is our collective and individual responsibility to preserve the world we live.

WORLD OCEAN DAY 2021

BCM COLLEGE, KOTTAYAM

JUNE 8, 2021

World Ocean's Day is celebrated on 8th June every year to empower people of all ages to become leaders of their own and stop polluting ocean and water bodies. This day spread awareness about reducing single use of plastics and taking action necessary to bring real change.

Departments of Mathematics and Statistics celebrated World Oceans Day as the second programme of the academic year 2021-22. As a part of celebrating ocean day we conducted a poster making competition and various students from different department of BCM College have actively participated in it. It helped us to understand how much important oceans are and how to protect the ocean. And we also able to give awareness to other department about the role played by the oceans in human lives.

“ Be a wise man, ocean is not a garbage can. So it is our responsibility to take care of oceans”.



WORLD DAY AGAINST CHILD LABOUR

BCM COLLEGE, KOTTAYAM

June 12, 2021

The World Day against Child Labour is an International Labour Organization-sanctioned holiday first launched in 2002 aiming to raise awareness and activism to prevent child labour. It is observed to focus attention on the global extent of child labour and the action and efforts needed to eliminate it.

As part of celebrating “World day against child labour” (June 12), Departments of Mathematics and Statistics conducted a cartoon competition for the students of BCM College. There was participation of students from various departments of our college. This was an opportunity to express and develop their creativity and artistic skills.

‘One educated child can change the world. So children should have pens in their hands not tools’.



BCM COLLEGE, KOTTAYAM
DEPARTMENTS OF MATHEMATICS AND STATISTICS
PRESENTS

CARTOON COMPETITION

as part of

WORLD DAY AGAINST CHILD LABOUR

Only BCM College students can participate

Send your drawings to:
+91 77364 93281
maths21bcm@gmail.com

Deadline: 14th June 2021



STOP (X)
CHILD LABOUR



THEY WANT THIS ↕

GIVE THEM BOOKS
NOT BRICKS!



WORLD BLOOD DONAR DAY 2021

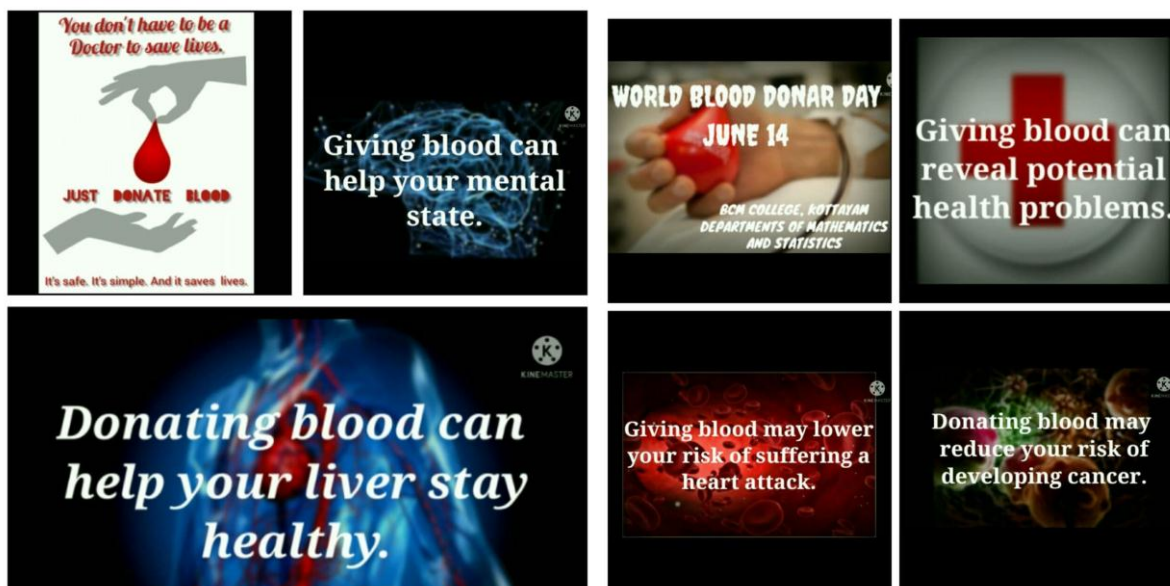
BCM COLLEGE KOTTAYAM

JUNE 14, 2021

World Blood Donor Day takes place on 14 June each year. The aim is to raise global awareness of the need for safe blood and blood products. The day also aims to call for action and donate blood to help this world. For 2021, the World Blood Donor Day slogan will be "Give blood and keep the world beating". The message highlights the essential contribution blood donors make to keeping the world pulsating by saving lives and improving others' health. It reinforces the global call for more people all over the world to donate blood regularly and contribute to better health.

The department of Mathematics and Statistics conducted an awareness day for the students of BCM College. We created awareness video in the view to help understand the importance of blood donation and the need for active participation. It also focuses on how blood donation can not only help the receiver but also the donor and thus taking a step forward for the betterment of the world.

"Every blood donor is a life saver."



MEET THE ALUMINI/MEET THE EXPERT

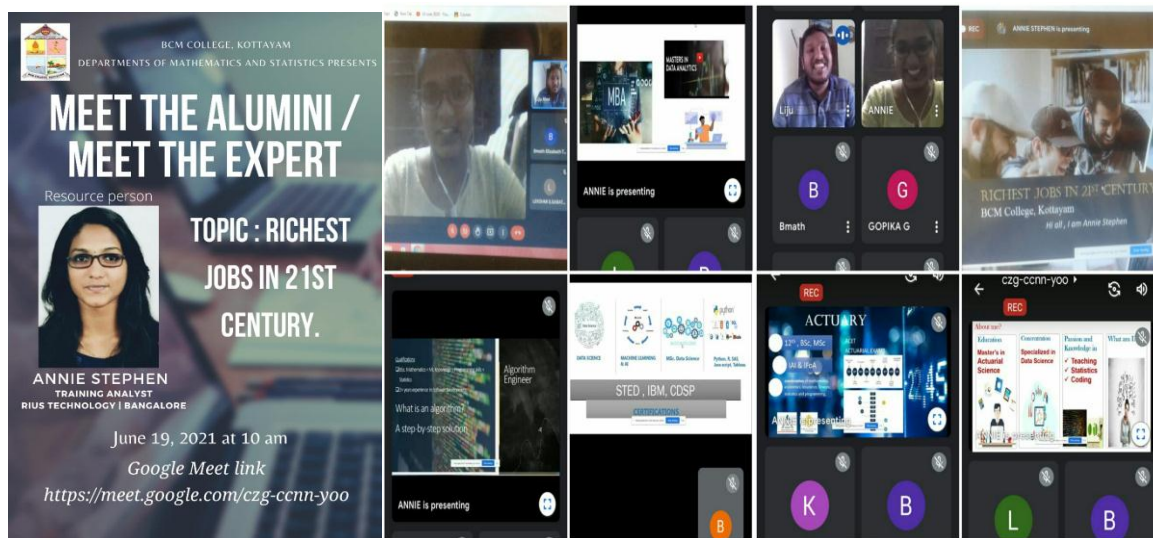
The mathematics association 2021-22 Bishop Chulaparambil Memorial College Kottayam is introducing a new program called meet the alumni /Meet the expert. The objective of the program is to introduce our students to the experts in various fields and introduce the prominent and successful aluminis from our department. This program will be a platform for our students to interact with various experts from different fields and listen to their experience and success stories to make a successful career of your own.

A webinar was conducted as the first program under the title of “MEET THE ALUMINI/ MEET THE EXPERT” by the Departments of Mathematics and Statistics on the topic “Richest Job in the 21st Century” on June 19th at 10:00-11:00 am through Google Meet.

It was conducted to guide the students with a wider choice to plan their career wisely and earnestly. It was led by our alumni (2015-18 Batch) Annie Stephan, who work as a training analyst of RIUS Technology in Bangalore. The webinar focused on guiding the students with a wider choice to plan their career wisely and earnestly. The session gave a detailed outline about various career prospects for students of undergraduate B.Sc. Mathematics. The main career options discussed during the session was actuarial science, data scientist, data analyst, cryptographer, and other allied areas. The resource person gave a detailed outline about the ways and means to reach these career prospects. The session also gave a detailed idea about how to crack various competitive exams for post graduation including IIT JAM. Annie also talked about the importance of getting certification and acquiring various skills during the BSc mathematics course itself. She also outlined the importance of having a good CV for various career prospects and gives some tips to prepare a good CV. After the technical session an interactive session was conducted to clarify the doubts of the students related to the topic. The students enquired about various prospects and all the questions were answered by the resource person

It was a very informative session which helped everyone to imbibe knowledge about the opportunities students gets in this field. The webinar was highly interactive and had a PPT with visual impact. Indeed it was very informative for students.

The youtube link of the recoded session: <https://youtu.be/7OfDBbwpv7o>



26 June: International Day against Drug Abuse and Illicit Trafficking

The United Nation's International Day Against Drug Misuse and Illicit Trafficking is a day dedicated to combat drug abuse and unlawful drug trafficking. Since 1989, it has been celebrated on the 26th of June every year. Misuse of drug can cause severe problems. Apart from dangerous health infections like HIV, hepatitis, and tuberculosis, it has number of consequences, such as economic loss, antisocial behaviour like stealing, violence, crime and other activities.

Share Facts On Drugs, Save Lives- The theme of the 2021 International Day Against Drug Abuse and Illicit Trafficking aims at combating misinformation and promotes sharing the facts on drugs — from health risks and solutions to tackle the world drug problem, to evidence-based prevention, treatment, and care. Departments of Mathematics and Statistics, BCM College, Kottayam released an awareness poem on this day that depicts the dangerous impacts of drug abuse. It has been shared through various Medias to aware people about raising their voice against drug abuse. This was also an opportunity for the students to express their artistic talents and social commitment towards society.

“DO MATH, NOT METH”

Youtube link of the poem; <https://youtu.be/X9U3SAMLizg>

BCM College Kottayam
Departments of
Mathematics and Statistics

releases a song in awareness of
international day against drug abuse
On 26 June 2021
മിഴിയടക്കും മുൻപ്...
"DO MATH, NOT METH"

മിഴിയടക്കും മുൻപ്...

ഉയരത്തിലെത്താൻ പറന്നു തുടങ്ങുമ്പോൾ
ചിറകു വിടുന്നതൊരു പക്ഷി തന്നെ....

സ്നേഹംകൊണ്ടായി കളിച്ചുനടന്നതെന്ന്
സ്വപ്നങ്ങൾ ചിതയായെരിഞ്ഞിടുന്നു...

ഒളിച്ചു ചിരിച്ചു കളിച്ചു നടന്നതെന്ന്
മുഖശോഭയേങ്ങോ മറഞ്ഞുപോയി...

കൗമാരപ്രായത്തിൽ കൗതുകം
തോന്നിയാ വെള്ളത്തിൻ രുചി
ഞാനറിഞ്ഞു പോയി..

രൂപിയതെന്നറിയാതെ
രൂപനോക്കാനാവാത്ത ടൂണിലൂടെ
ഞാൻ ആസ്വദിക്കും....?

റേഡിയേഷനും കിരണവും
മാത്രമണിപ്പോളെൻ ചാരയെന്നയുന്ന
സൗഹൃദം.....

വലിച്ചും പുകച്ചും മരിച്ചും നടന്നപ്പോൾ
ഓർത്തില്ല തളിരില വാടുമെന്ന്...

മിഴിയടക്കും മുൻപ് മിഴിയിലൊഴുകി
ഞാൻ മുദ്രവായ് ഒരു വാക്കു ചൊല്ലിട്ടു
അരുതേ ലഹരി അരുതരുതേ... (3)

JUNE 29 NATIONAL STATISTICS DAY 2021

“A knowledge of Statistics is like a knowledge of foreign languages or of algebra. It may prove of use at any time under any circumstances.”

On June 29 every year National Statistics Day is celebrated to mark the birth anniversary of Prof. Prasanta Chandra Mahalanobis a renowned and eminent statistician.

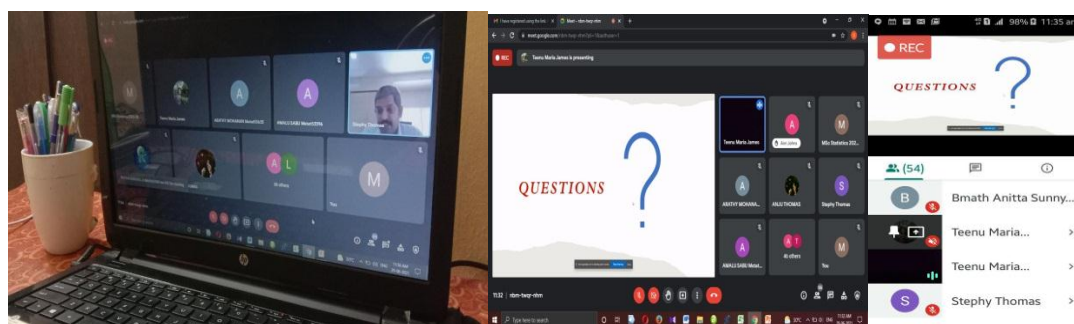
The Department of Statistics and Mathematics celebrated National Statistics Day on June 29, 2021.



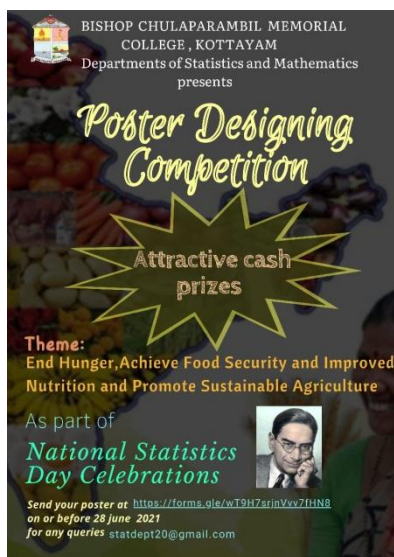
The poster for National Statistics Day 29 June 2021 features a central banner with the text "National Statistics Day 29 June 2021" and "Department of Statistics and Mathematics". To the left, under the heading "EVENTS", are listed "Masterminds The Quiz Competition", "Poster Making Competition", and "Attractive Cash Prizes". Below this is the "Registration link for Webinar" with the URL <https://forms.gle/2hcWpQ38SjaWqKn9> and a note that "E-Certificates will be given to all participants." Staff coordinators listed are Aswathy S Krishnan and Linsu V Mathew. To the right, under the heading "Webinar", is the topic "On Research Techniques for Statistics using Analytics" at "Time: 10AM." with resource person "Teenu Maria James" from the "University of Derby, England". A photo of Teenu Maria James is included. Further right, it mentions "Bishop Chulaparambil Memorial College, Kottayam" and the "Theme of National Statistics Day 2021:- End Hunger, Achieve Food Security and Improved Nutrition and Promote Sustainable Agriculture." A portrait of Prof. Prasanta Chandra Mahalanobis is at the bottom right.

The meeting was conducted through online Google platform and it was started at 10 AM with a prayer song. There was a 5 min presentation showing the role of statistics in day to day life. The meeting was inaugurated by Rev. Fr. Philmon Kalathara, Secretary Cooperate Educational Agency of Colleges, Archeparchy of Kottayam.

A webinar was conducted on the topic-“RESEARCH TECHNIQUES FOR STATISTICS USING ANALYTICS” by Ms Teenu Maria James , currently a Researcher at University of Derby, England, also an alumni of our Department. About 68 students including teachers participated enthusiastically in the webinar. An interactive session was followed by it and students actively participated asking their queries.

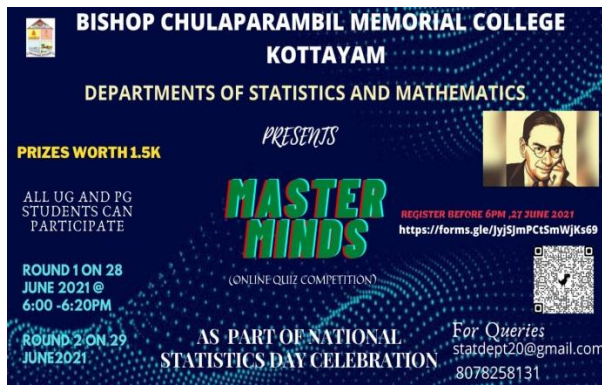


As part of the program an intercollegiate Poster Designing Competition was held for all UG and PG students. The result of the competition was announced by Staff Coordinator Ms. Linsu V Mathew. There was an active participation of students from different colleges and the first prize was won by R.Njanapriya ,Devasom Board College, Thalayolaparambu , second place by Amritha Jacob, ST. Peters College, Kolenchery, third by Thara George , BCM College Kotayam, fourth by Anna Serene Bobby , Christ(Deemed to be University) and fifth prize by Keerthi S, SB College , Changanachery. All winners were awarded with cash prizes.



The meeting ended at 12 PM by announcing the winners of first round quiz competition. The second round of quiz competition was held in the afternoon session.

The programs of the event included an online quiz competition "MasterMinds" on the virtual mode on 28th and 29th June 2021 for all UG and PG students. It was an individual event with two rounds which covered the basic knowledge of Statistics. First round was on 28 June 2021 at 6:00 pm to 6:20 pm conducted via survey heart. 27 students from various colleges participated enthusiastically and showcased their brilliance by rapidly answering the questions. Though some of the questions were very tricky, the students tried to answer them with confidence. Out of all participants 5 students were qualified for the final round. Final round was held on 29th June 2021 at 3:30 pm through Socrative , an interactive session and the quiz master was Staff Coordinator Dr Aswathy S Krishnan. The students actively participated and Sooraj M, St.Peter's College , Kolenchery got the first prize and Adithya Pradeep , Mahatma Gandhi college Iritty, Varsha Maharaja's College Ernakulam , Elizabeth Joy, Mar Athanasius College Kothamangalam , Akshara S , BCM College Kottayam got the second, third, fourth and fifth prizes respectively. Cash prize was given to all honoured winners of the quiz competition. Overall ,the quiz competition was a huge success. E-certificates were given to all participants.



BCM COLLEGE, KOTTAYAM

JUNE 19-26 READING WEEK CELEBRATION

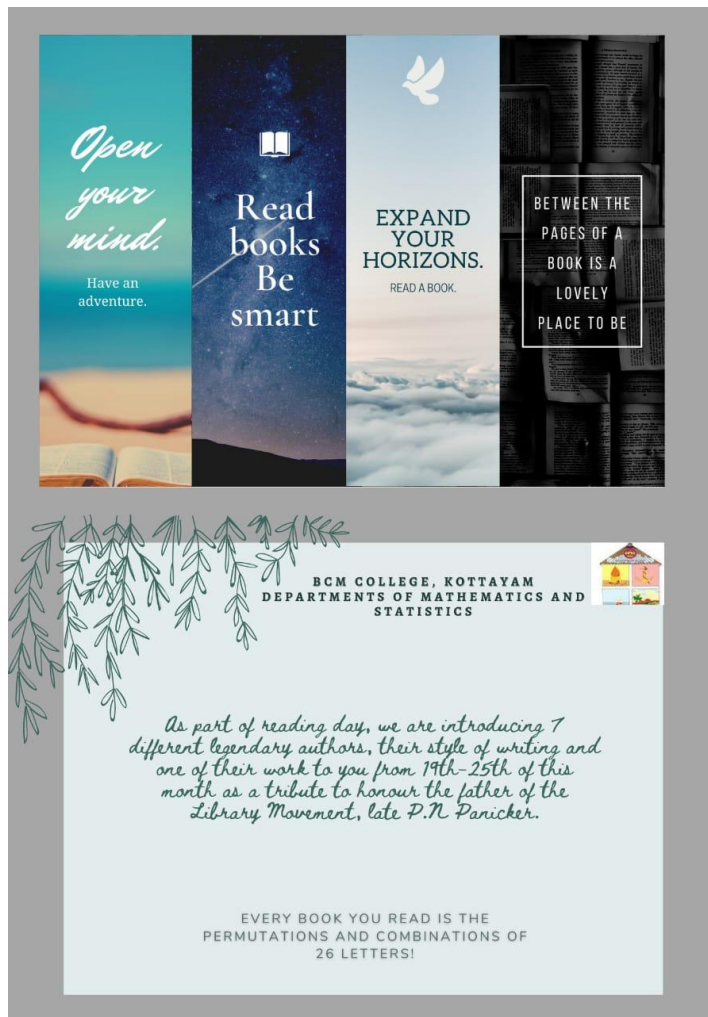
National Reading Day is celebrated annually on June 19 to honour the father of Indian Library Movement, P. N. Panikkar.

P. N. Panikkar played a big role in leading Kerala to a 100% literacy rate country. The P. N Panikkar foundation and P N Panikkar Viknjan Vikas Kendra are the organisations he introduced for that. This day was marked since 1996.

Departments of Mathematics and Statistics celebrated this day in 4 different ways for the whole one week.

1. Introduced Books

Books play an essential role in everyone's life. It makes them enter into a world of imagination, providing knowledge about the outside world, getting inspired, improving writing and speaking skills as well as boosting memory and intelligence. So the students from Mathematics department made 7 videos introducing famous books and the styles used by the authors.



Following are the youtube links of the video:

<https://youtu.be/ZOK9A8wODrY>

<https://youtu.be/1u2tY2UNrlc>

<https://youtu.be/VVAodSQZpZo>

<https://youtu.be/ANZEFt2uC44>

<https://youtu.be/kIRw6nlyKbM>

<https://youtu.be/HzOBXf8rsFI>

<https://youtu.be/Cr3OquW39Y4>

2. Book reading challenge

Book reading challenge was all about reading a new book in the corresponding week. Several students took the challenge and succeeded.



3. Book sharing

As part of reading week students shared the books they read to their neighbours in order to inspire them to start reading as they too will get to know about the world of books.



4. E - Magazine

As part of reading week students prepared an E-Magazine named RADIANCE which contains small introductions or synopsis of several books. It helps everyone in learning what the book is about in a simple way.

Link: <https://online.flippingbook.com/view/627621157/>



CRESCENDO

World Music Day is an annual celebration that takes place on June 21st to honour amateur and professional musicians alike. Over 120 countries celebrate the day by organising free public concerts in parks, streets, stations and other public places. On this day the musicians are encouraged to play in public.

As part of World Music Day, the departments of Mathematics and Statistics of BCM College, Kottayam conducted the virtual musical eve titled as Crescendo conducted on 20th June 2021 through Google meet.

The department head, Ann Johns inaugurated the function. Dr. Anu Varghese gave the presidential address and the felicitation speech was given by Liju Alex. College principle Dr. Stephy Thomas also gave a facilitation to the program. Nearly fifty students and the teachers joined the celebration. Variety of programs were held by the students as well as the teachers. The introduction to game rounds raised the excitement and the program was a great success.

The main aims of the program were:

1. BRING OUT THE TALENTS

The program aimed to bring out the talents of the students. The program provided opportunities for the students to build up their self-confidence and reveal their talents.

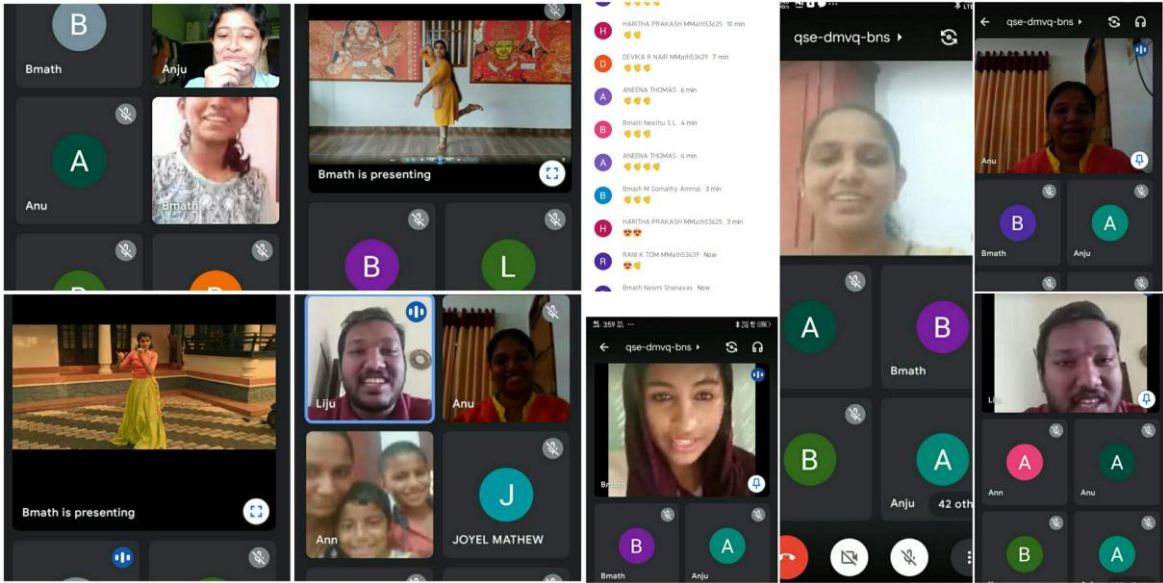
2. ENHANCE THE RELATIONSHIP

As online classes are now being the mode of teaching, the teachers as well as the students find difficult to create intimacy. Thus, the program helped everyone to know each other and hold a better relation.

3. OCCASSION TO ENJOY

'Crescendo' was an occasion for both the students and the teachers to spare some time from the busy hours. It helped everyone to enjoy freely and achieve some relief. . It was a comfort after all the online classes due to the pandemic. Those hours consisted of enjoyment and excitement and paved the way for happiness

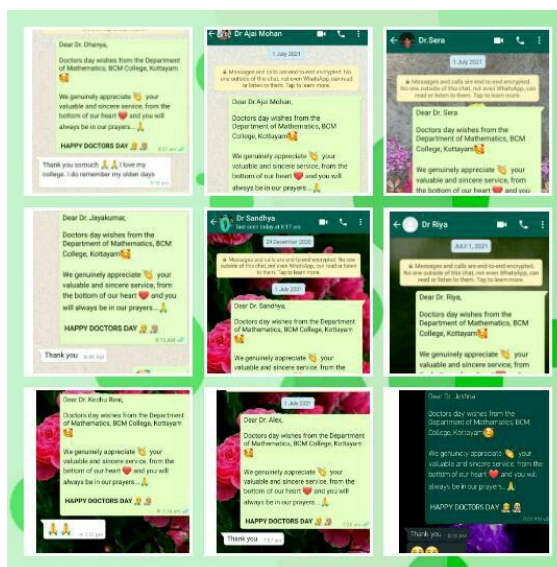
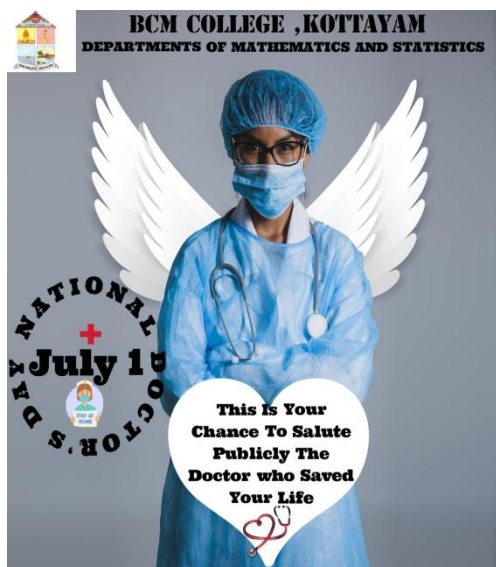


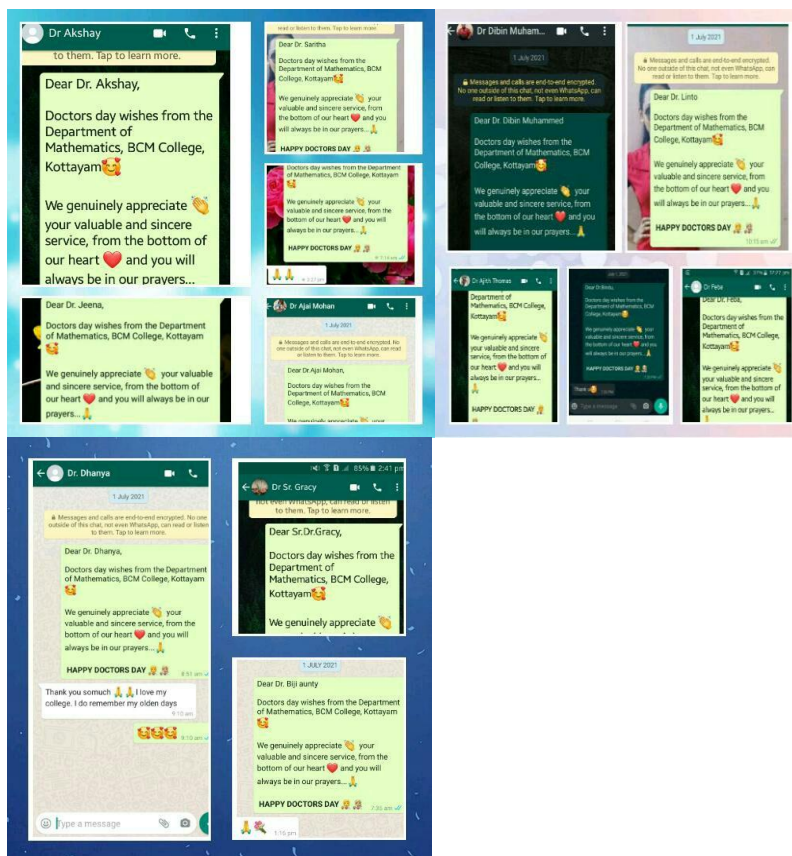


JULY 1, 2021 NATIONAL DOCTORS DAY

The Indian Medical Association (IMA) celebrates July 1 as National Doctors Day every year to mark the birth and honour the contributions of renowned physician and former West Bengal Chief Minister Dr. Bidhan Chandra Roy. The first National Doctors Day was celebrated in the year 1991. The theme of National Doctors Day 2021 was 'Save the Saviours'. The day is dedicated to all the doctors and healthcare workers who have been serving the people.

As part of celebrating 'National Doctors Day' students of Mathematics and Statistics departments send messages to various doctors by wishing them a heartfelt doctors day and appreciated them for their valuable service.





Along with this, students created a video named “HANDS OF GOD” that tells the importance of Doctor’s and shared through various social platforms.

The YouTube link of the video: <http://youtu.be/VnH4JUDLcxg>



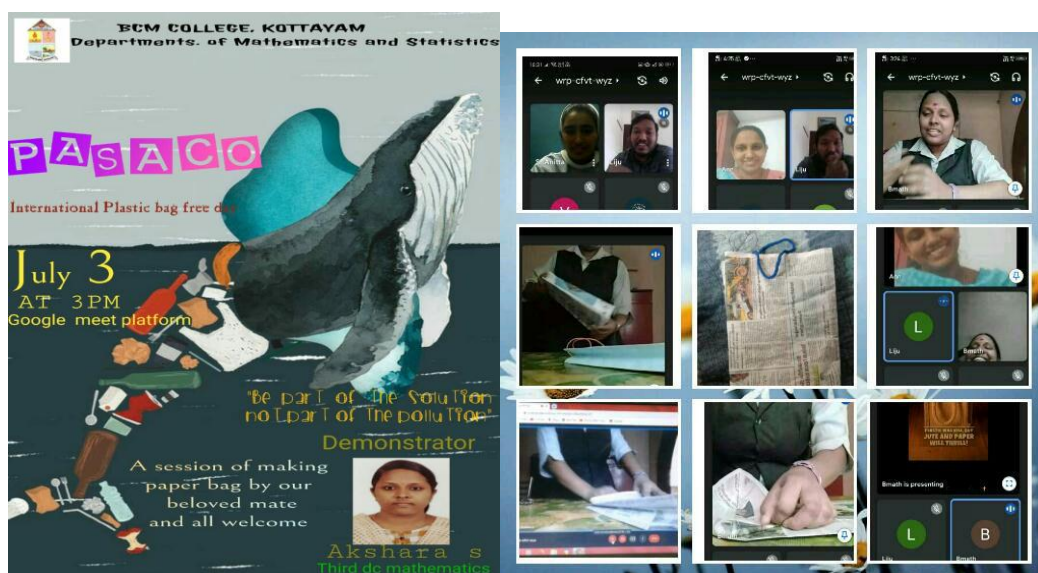
Amidst the Covid 19 pandemic, it has once again reminded people about the contribution of healthcare workers across the world.

“Medicines cure diseases, but only doctors can cure patients”.

JULY 03, 2021 PLASTIC BAG FREE DAY

The International plastic bag free day is observed on July 3rd annually. The day is observed to raise awareness about the grave issues of plastic pollution and the serious threat that it causes to the natural environment ranging from land to marine life. This day aims to promote the use of eco-friendly items such as paper bags or cloth bags instead of plastic bags and to get rid of the single use plastic bags.

The departments of Mathematics and Statistics organised a session about the importance of replacing plastic bags by paper bags on July 3rd 2021. The programme was entitled as PASACO. Akshara S of 3rd DC Mathematics demonstrated the steps of making paper bags in a simpler manner and it enabled all of us to make our own bags out of paper. It was a contribution which is useful to the entire world. The session was really helpful and inspiring for all the students to make and use paper bag





S.

JULY 03 2021- BROCHURE MAKING WORKSHOP

Brochures and posters are a great way to package information in a simple, eye-catching design that attracts everyone by offering basic information. For this we have to use a professionally designed brochure template to showcase our products, advertise our services, or to promote our event.

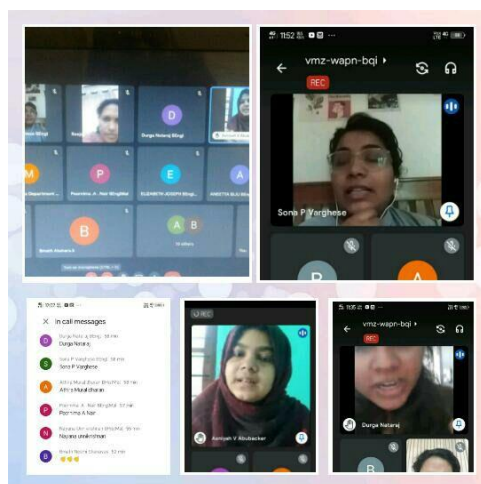
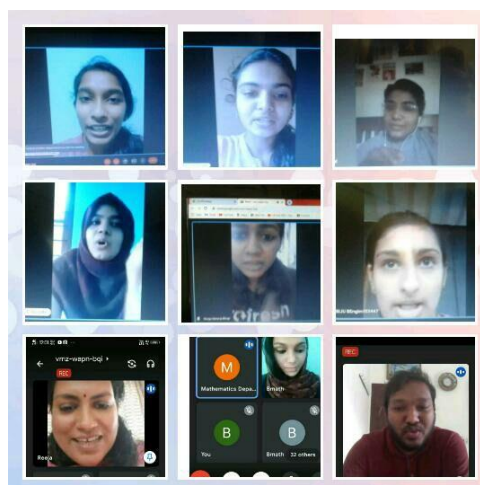
The departments of Mathematics and Statistics organised a brochure making workshop on July 3rd 2021 through Google Meet. It was executed by Nandini Venugopal of 3rd DC Mathematics. As we all know, in the current situation all the programmes are conducted via online. Many of these programmes require a poster or a brochure, but many of us are not aware of making these. Nandini introduced 'Canva' which is an online designing and publishing tool. It is a free graphic design platform that's great for making posters, brochures, invitations, business cards, Instagram posts and more. The session was really helpful for all those who participated.



July 11 2021 WORLD POPULATION DAY

World population day takes place on July 11 every year. The aim is to raise awareness on various population issues such as family planning, gender equality, poverty, maternal death etc. The theme for World Population Day 2021 is "Rights and Choices are the Answer: Whether baby boom or bust, the solution to shifting fertility rates lies in prioritising all people's reproductive health and rights."

The departments of Mathematics and Statistics conducted a debate competition for the students of BCM College on July 10 in association with Population Day. The topic was 'IS POPULATION GROWTH A REASON FOR RESOURCE CONSUMPTION AND ENVIRONMENTAL MISMANAGEMENT'. The debate was moderated by Lt. Dr. Reeja P S, Assistant Prof. of Sociology department, BCM College. The students expressed their ideas and thoughts that can make changes in society. This debate had four teams. The winners were Durga Nataraj and Sona p Varghese from department of English M3. Also Athira Muralidharan from history department was chosen as the best debator.



World Paper bag day- July 12 2021

World paper bag day is celebrated across the globe on July 12 every year to reaffirm the much needed daily use of paper bags over plastic bags. This day is dedicated for raising awareness about the use of biodegradable paper bags .This year the theme for paper bag day was 'eradicate plastic and safeguard earth'.

The departments of Mathematics and Statistics celebrated World Paper bag day. Akshara S of 3DC Mathematics had earlier conducted a work shop on paper bag making. All the UG students of the department made paper bags on the occasion of paper bag day. Department had made a brochure and video using the photos of paper bags made by the students. In order to make people aware about importance of paper bags. The video has been posted on various social media platforms 'Go green with paper bags, everything is fantastic.

Stop bagging the planet – say NO to plastic bags'.



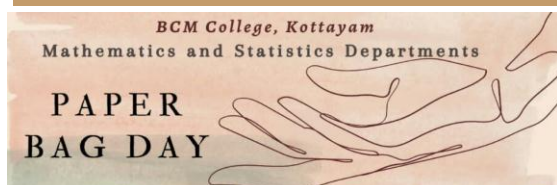
BCM COLLEGE, KOTTAYAM
DEPARTMENTS OF MATHEMATICS AND STATISTICS

JULY - 12



CELEBRATING
PAPER BAG
DAY

Eradicate plastic and safeguard earth



INTERNATIONAL MANDELA DAY, JULY 18

Nelson Mandela International Day is an annual international day in honour of Nelson Mandela, celebrated each year on 18 July, Mandela's birthday. The day was officially declared by the United Nations in November 2009, with the first UN Mandela Day held on 18 July 2010. The theme for this year's Nelson Mandela International Day is "One Hand Can Feed Another." This day is celebrated by organisations that work for violence against women, genocide and crimes and who come together to inform people about these issues.

Departments of Mathematics and Statistics celebrated Mandela day in the honour of Nelson Mandela. Students made a poster and shared it in social medias. Through this all the students of the department spread the theme of the day all around the world.

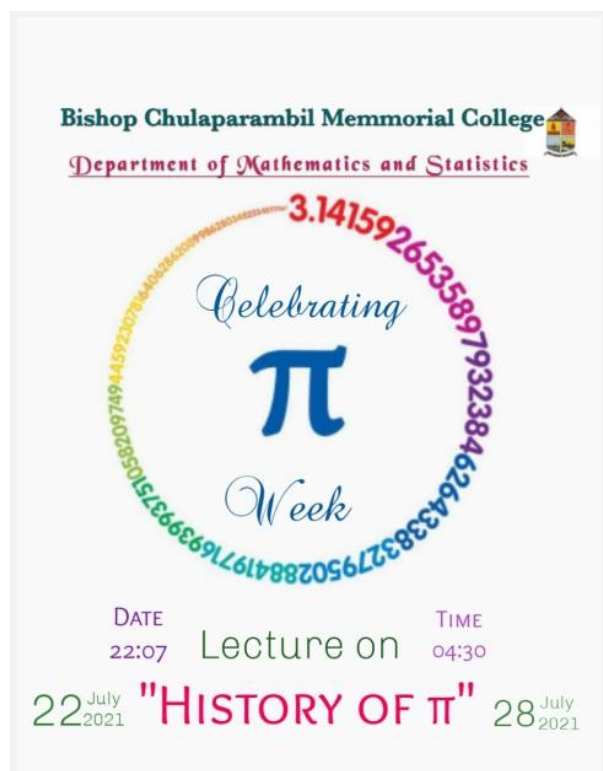


PI WEEK CELEBRATION JULY 22-28, 2021

Pi defined as the ratio of the circumference of a circle to its diameter. Computer scientists have calculated billions of digits of pi, starting with 3.14159265358979323..., but because no recognizable pattern emerges in the succession of its digits, we could continuously calculate the next digit, the next digit, for millennia and we would still have no idea which digit might emerge next. So by understanding the importance of pi in mathematics, with the aim of conveying students about the importance of pi, the department celebrated pi week from July 22 to July 28. The activities conducted on each day in that week is given below:

22/07/2021 – Lecture on History of Pi

Students of the department made a video on the topic “HISTORY OF PI” on 22nd July which is the ‘Pi approximation day’ and shared it in social media's. It was made to give a clear picture about Pi, its importance, its applications etc. to the viewers. The YouTube link of the lecture video is: <https://youtu.be/hEni7BzzzRw>



23/07/2021- Powerpoint making competition

On 23rd July departmental students conducted an interdepartmental PowerPoint presentation competition on the topic: “Application of Pi”. Students from various

departments participated in the competition. E-certificates were awarded to the winners.
The winners of the competition were:

1st position – Thara George, 3rd DC Computer Science

2nd Position – Joshma P Jollychan, 3rd DC English

3rd Position – Elizabeth Joseph, 3rd DC English

**BISHOP CHULAPARAMBIL
MEMORIAL COLLEGE**
Departments of mathematics and statistics

**π week
celebration**

Interdepartmental
powerpoint
presentation
competition

**Topic:
Application of π**

Rules

- *Presentation should be of maximum of 10 slides
- *Entries can be send to math21bcm@gmail.com
- *E-certificate will be provided for the winners

Last date-30/07/2021

APPLICATION OF π

PRESENTED BY,
RONA ROY,
3RD DC PHYSICS
BCM COLLEGE

DEFINITION

π is commonly defined as the ratio of circles circumference "C" to its diameter "d".

$\pi = C/d$

APPLICATION OF π (m)

- » Geometry and trigonometry.
- » Monte Carlo methods.
- » Complex numbers and analysis.
- » Number theory and Riemann zeta potential.
- » Probability and statistics.

OUTSIDE MATHEMATICS

- » Describing physical phenomena.

APPLICATION OF 'π'

ARUNDA UNIVERSTADINA
"PI" DAY 3.14159

Definition :

"π" is commonly defined as the ratio of circle's circumference "c" to its diameter "d".

$\pi = c/d$

Application of π (m):

- » Geometry and Trigonometry

Pi Day 2021

Pi Day is an annual celebration of the mathematical constant π (pi).

π

Pi Day is observed on March 14 (3/14 in the month/day format) since 3, 1, and 4 are the first three significant digits of π .

24/07/2021 – Interdepartmental word search competition

On 24th July an interdepartmental word search competition was conducted. 21 students participated in the competition. Christy Mano(2nd DC Chemistry), Aishwarya Lakshmi Mohan(3rd DC English), Joshma P(3rd Dc English), Elizabeth Joseph(3rd Dc English) are the winners of the competition.

BCM COLLEGE, KOTTAYAM
DEPARTMENTS OF MATHEMATICS AND STATISTICS

Presents

INTER DEPARTMENTAL WORD SEARCH COMPETITION

*In association with
Pi week celebrations*

For queries:
+91 94972 26646
+91 90481 39108

**24TH JULY
2021
9AM-9PM**

Register via google forms

BCM COLLEGE, KOTTAYAM
DEPARTMENTS OF MATHEMATICS AND STATISTICS

GUIDELINES

- Find out 15 words related to Mathematics within 10 minutes and list them in the space provided.
- The hidden words are positioned in all directions; left to right, right to left, vertically and diagonally.
- Positioned in straight line
- Only one entry for a student is allowed
- Participant who finish the competition in short time will be the winner
- Only those entries shared before the deadline will be considered for the competition
- Entries will be accepted on or before 23rd July 2021
- E certificates will be awarded to the winners

Word search

A	G	L	S	U	T	I	C	A	L	E	M	G	R
L	E	D	T	A	E	C	A	I	R	T	E	M	A
G	O	G	I	T	P	A	N	U	Q	A	O	N	L
E	M	E	G	A	A	A	S	R	R	M	E	A	G
B	E	E	U	A	M	A	R	T	O	A	A	I	O
R	T	L	S	O	E	E	L	A	R	O	N	D	R
A	R	G	S	M	S	R	T	M	M	P	N	A	I
L	Y	N	I	E	N	M	D	E	E	E	L	R	T
U	C	A	L	C	U	L	U	S	R	T	T	A	H
E	C	N	E	U	Q	E	S	E	A	R	R	E	M
A	H	R	T	E	U	R	R	A	T	I	O	T	R
B	B	S	R	D	E	C	I	M	A	L	R	T	E
Y	B	I	N	O	M	I	A	L	S	S	A	E	E
C	I	R	C	U	M	F	E	R	E	N	C	E	A

BCM COLLEGE, KOTTAYAM
INTER DEPARTMENTAL WORD SEARCH COMPETITION
 CONDUCTED BY DEPARTMENTS OF MATHEMATICS
 AND STATISTICS

WINNERS



CHRISTY MANO
BSC CHEMISTRY



AISHWARYA LAKSHMI MOHAN
BA ENGLISH



JOSHMA P JOLLYCHEN
BA ENGLISH



ELIZABETH JOSEPH
BA ENGLISH M1

CONGRATULATIONS

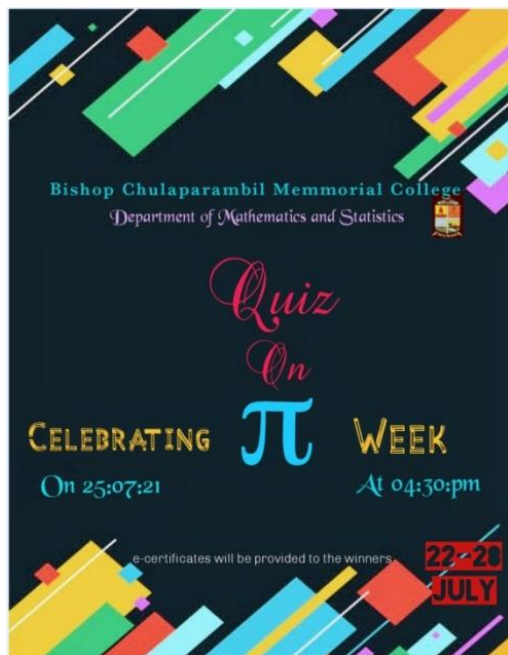
25/07/2021 - Quiz competition

A quiz competition was conducted in association with 'PI WEEK' on 25th July 2021 regarding 'PI' through Google form. Among the 20 ones who participated, we chose 3 of them who got the higher points to be the winners. They were provided with an e-certificate. The winners of the competition are given below with respect to their positions.

1st Position - Anagha R Nath

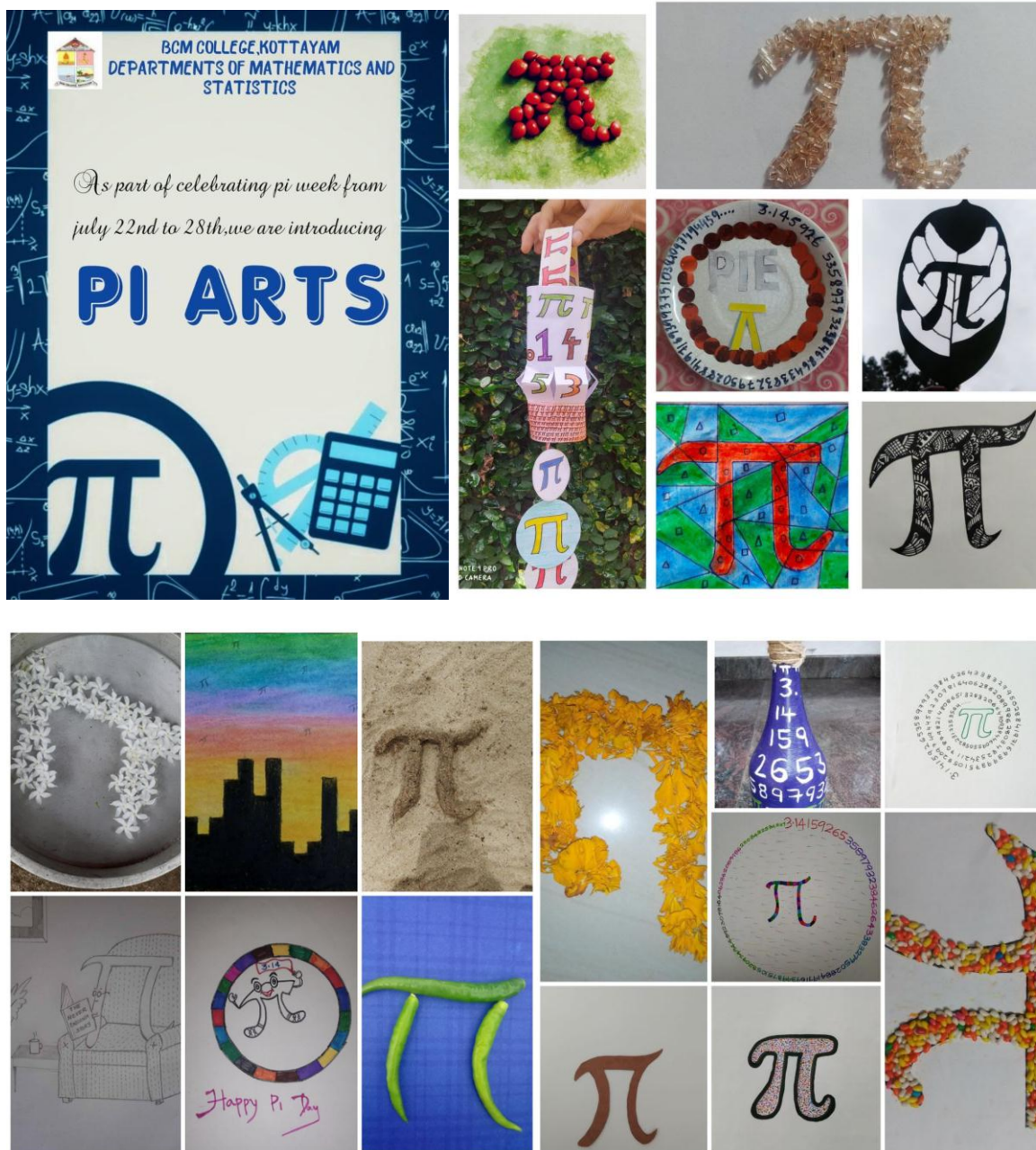
2nd Position - Harithasree

3rd position - Krishnendu



26/07/2021 – Pi Arts

As part of celebrating pi week students made a video containing their artistic and creative works related to Pi. That was also an opportunity for the students to learn more about pi. Bottle art, leaf art, clay art, cartoon, bead works, vegetable work etc were included in it.



27/07/2021 – logo design competition

On 27th July Departmental students conducted a logo design competition. Several students participated in it. E- certificate was awarded to the winners. The winners of the competition are:

1st position – Anjana Unnikrishnan, 3rd DC Finance and Taxation

2nd position – Sona V Rajan, 3rd DC Computer Science

3rd position – Thara George, 3rd DC Computer Science

BCM COLLEGE KOTTAYAM
Departments of Mathematics and Statistics

Unleash your creativity

Logo Design contest

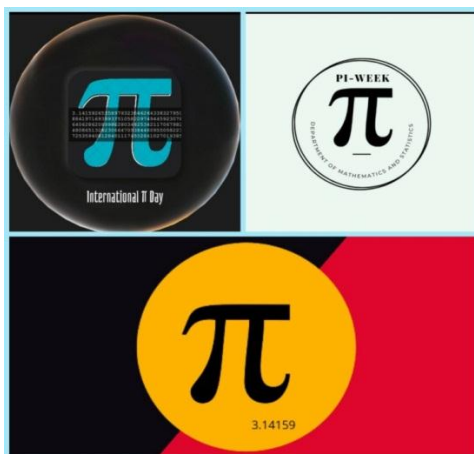
As a part of **Pi-Week**

Last Date :5th August 2021
Entries can be send to math21bcm@gmail.com

"E-certificates will be awarded to the winners"

Guidelines

- 1.The design must be original and not edited before.
- 2.The technique used can be free: drawing, painting, computer design.
- 3.Only one entry for a student is allowed.
- 4.Only those entries shared before the deadline will be considered for the competition.
- 5.Entries will be accepted on or before 5th August 2021.
- 6.Entries can be send to math21bcm@gmail.com
- 7.E-certificates will be awarded to the winners.



28/07/2021 - Pi model making competition

On the last day of Pi week celebration Interdepartmental Pi model making was conducted. Namitha Elizabeth John of 3rd DC Mathematics was the winner of the competition.

PRESENTS

INTERDEPARTMENTAL PI MODEL MAKING COMPETITION

AS PART OF PI WEEK

SEND YOUR
PI MODEL PHOTOS TO
+91 70251 28382
+91 81398 01043

BEFORE 28 JULY

E-CERTIFICATES WILL BE AWARDED TO THE WINNERRS



GUIDELINES

- ✓ Participants can use variety of mediums like strings,beeds,thermocoal.
- ✓ Entries should be submitted in JPEG format
- ✓ Along with the photo participants should share their Name,
Department,email-ID
- ✓ Only one entry for a student is allowed
- ✓ Only those enteries shared before the deadline will be considered
for competition
- ✓ Entries will be accepted on or before JULY 28
- ✓ E-CERTIFICATES WILL BE AWARDED TO THE WINNERRS



August 6 and 9: Hiroshima and Nagasaki Day

The historical nuclear attack took place in the year 1945 with an atomic bomb on August 6 in the city of Hiroshima and later on August 9 in Nagasaki. Hiroshima and Nagasaki Day is being observed across the globe to promote peace and create awareness about the threat of nuclear weapons. This day plays an important role as it focuses an anti-war and anti-nuclear demonstration in many countries.

As part of this day, Departments of Mathematics and Statistics, conducted an interdepartmental puzzle competition. Aleena Kuriachan, Anjana Unnikrishnan, Anju Sali, Aswathy, Athulya S Nair, Diya Roy, Joshma P Jollycha, keerthana M, Lakshmi Chandran, Mariya Angel Saji, Nesmi Shanavas, Nija George, Noofiya Hameed Shintu, Rachel John, Shyamili S, Sonu Priya Babu, Sruthy Lakshmi Anil, Stark, Sunitha Mary Joy, Treesa Maria Chacko, and Vyshnavi Binumon participated in this competition. Aleena Kuriachan and Sonu Priya Babu were the winners. The advantage of this competition is that the students tried to learn more about the Hiroshima and Nagasaki bombing.



INTERNATIONAL YOUTH DAY

12-AUGUST

International Youth Day (IYD) is an awareness day designated by the United Nations. The purpose of this day is to give attention to certain set of cultural and legal issue surrounding youth. The first IYD was observed on 12th August 2000.

As part of celebrating International Youth Day (IYD) students of Mathematics and Statistics departments conducted a program 'Identity youth icons'. Harithasree, Ayisha basheer and Vyshnavi was declared as winners of the programme.



Bishop Chulaparambil Memorial
College, Kottayam

Departments Of Mathematics
and Statistics

Presents

Identify the youth icons

As a part of
International Youth Day

Enquiries: 918301956580,919778232869

Guidelines

1. Identify the edited/childhood images of the youth icons.
2. Hints are given along with the images.
3. Send your entries on or before 12th August 12pm.
4. Only students from BCM College can participate.
5. Only one entry per student is allowed.

Guidelines

1. Identify the edited/childhood images of the youth icons.
2. Hints are given along with the images.
3. Send your entries on or before 12th August 12pm.
4. Only students from BCM College can participate.
5. Only one entry per student is allowed.

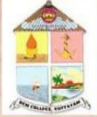
:

ORGAN DONATION DAY

AUG: 13

August 13 of every year is observed as World Organ Donation day aimed at raising awareness about the importance of organ donation and encourage people to take a pledge for the same. One person can save upto eight lives from chronic illness by pledging to donate their heart, kidney, pancreas, liver, hands, intestines, face and tissues. Hence this day strives to help people realise that volunteering to donate their organs after death can be life-changing for many.

As a part of World Donation day, the departments of Mathematics and Statistics conducted slogan writing competition. This program aims to create awareness and for entertainment. The winner is Kumari Ananya Raj from Physics department-Her slogan is “Since we cannot take organ to the after life, the best possible way to recycle is a donation, save a life afterlife”



**BISHOP CHULAPARAMBIL MEMORIAL
COLLEGE, KOTTAYAM**

DEPARTMENTS OF MATHEMATICS & STATISTICS

13 AUGUST

WORLD ORGAN DONATION DAY

**INTERDEPARTMENTAL SLOGAN
WRITING COMPETITION**

*Send your entries through
What's app : 9778232869*



**BISHOP CHULAPARAMBIL MEMORIAL
COLLEGE, KOTTAYAM**

DEPARTMENTS OF MATHEMATICS & STATISTICS

GUIDELINES

- The slogans can be either in English or Malayalam
- The slogans should be submitted on or before 5.00 pm 20/08/21

*Send your entries through
What's app : 9778232869*



15TH AUGUST 2021: 75TH INDIAN INDEPENDENCE DAY

British rule in India began in year 1757. India celebrated its 75th Independence Day on 15th August 2021. India got its freedom from the centuries-old Colonial rule on 15th August 1947. The Light to gain our Independence was long, difficult and cost many brave lives. Prime Minister Narendra Modi hoisted the Tricolour at the historic Red Fort, during the 75th Independence Day function, in New Delhi.

As a part of this day Departments of Mathematics and Statistics create an interdepartmental Drawing competition about the theme “ Mera Bharath Mahan”. Thereby, students got an opportunity to develop and express drawing skill. The winner of the competition was Keerthana. M from English Department.



BISHOP CHULAPARAMBIL MEMORIAL
COLLEGE, KOTTAYAM

CELEBRATING 75TH INDIAN INDEPENDENCE DAY

Departments of Mathematics and Statistics
Presents

Drawing Competition

"Mera Bharath Mahan"

Sent your entries
through
What's app:
8301956580

GUIDELINES FOR THE COMPETITION!!

- Students can submit their own *freehand* drawings on the theme 'Independence'
- You can use any variety of mediums such as paint, pen, ink, pencil, crayon, etc.
- You can draw any pictures related to independence.
- Send your entries through Whatsapp number: 8301956580 before 20th August 2021 including your details (name & department).
- All entries should be submitted in JPEG format.
- Only those entries shared before the deadline will be considered for the competition.



WORLD PHOTOGRAPHY DAY

BCM COLLEGE, KOTTAYAM

August 19, 2021

August 19 of every year is celebrated as World Photography Day across the world. This day is commemorated with an aim to encourage people who want to pursue photography as a hobby or career. The process of modern photography was invented in France and was recognized by the French government on August 19th. This day is dedicated to the art, craft, science and history of photography.

As a part of celebrating 'Photography Day', students of Mathematics and Statistics departments conducted an interdepartmental photography contest. The theme of the day was "creative shots of anything within your house or outside". Harithasree .S of 2nd DC English department won the contest.

BCM College, Kottayam

Departments of Mathematics and Statistics

Inter-Department Photographic Contest

**Theme : Creative shots of anything
within your house or outside**

**Send your photos
On Or before 23rd August 2021**

For more details

Contact

9048139108

9497226646

GUIDELINES FOR THE COMPETITION

*Send your entries through WhatsApp
number: 9048139108, 9497226646 on or
before 23rd August, 2021 including your
details(Name & Department)

*All entries should be submitted in JPEG
format

*Only those entries shared before the
deadline will be considered for the
competition

*Only basic editing and manipulation of the
photo is allowed

*No watermark should be present on the
picture

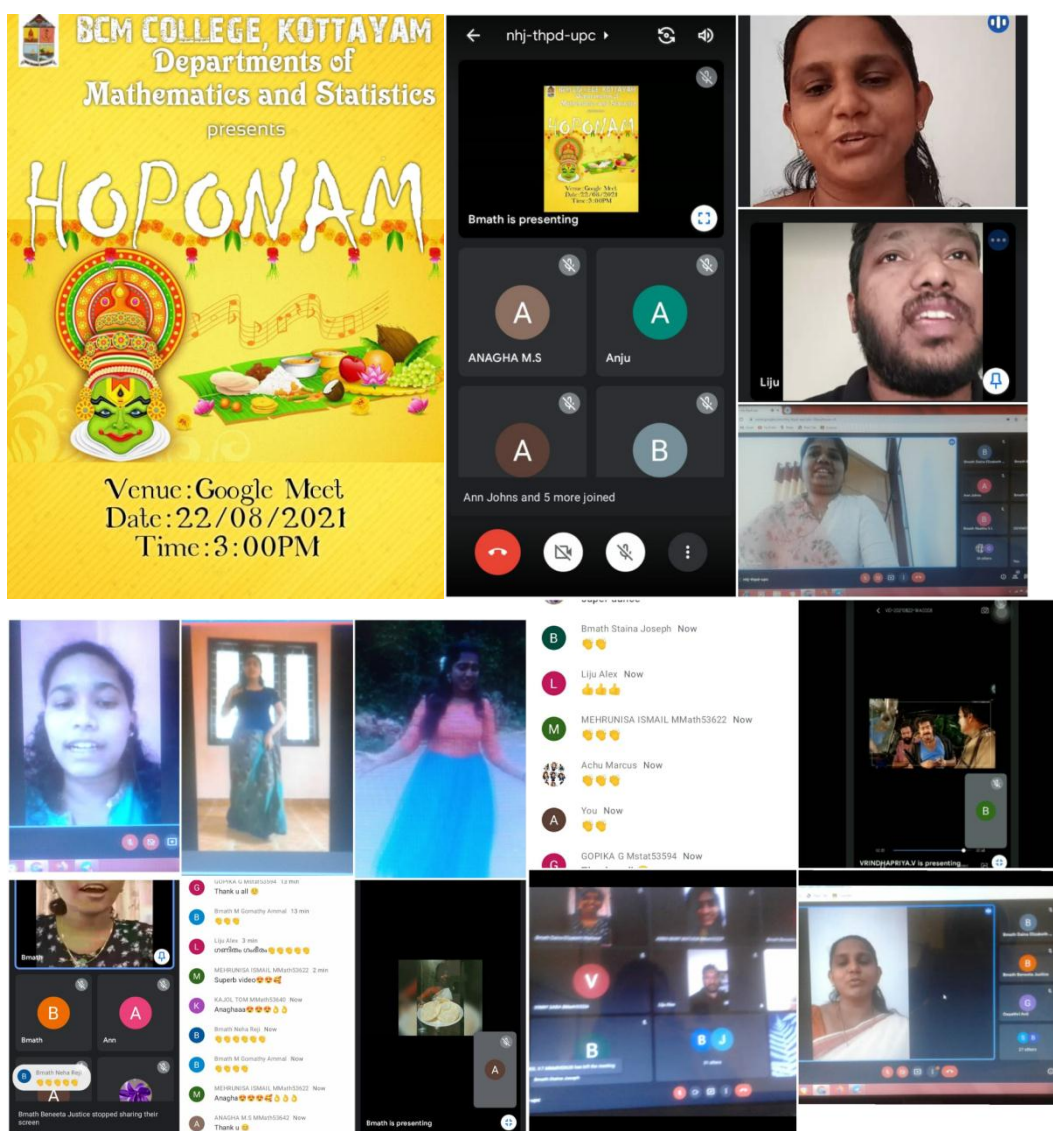
*Only one entry per student is allowed



ONAM CELEBRATION

Onam is one of the most prominent festivals of Kerala. It is a harvest festival and as the legend says it is celebrated to welcome King Mahabali, whose spirit is said to visit the people in Kerala at the time of Onam.

Departments of Mathematics and Statistics celebrated Onam – HOPONAM, virtually through Google Meet on 22nd August, 2021 at 3 pm. Department HOD Ann Johns, Assistant professors Anu Varghees and Liju Alex gave thoughtful messages about Onam. Cultural programmes related to onam prepared by the students were presented during the meeting. Also, there were games which really entertained students and teachers. A video prepared by the students of the department which contained the richness of onam was also presented.

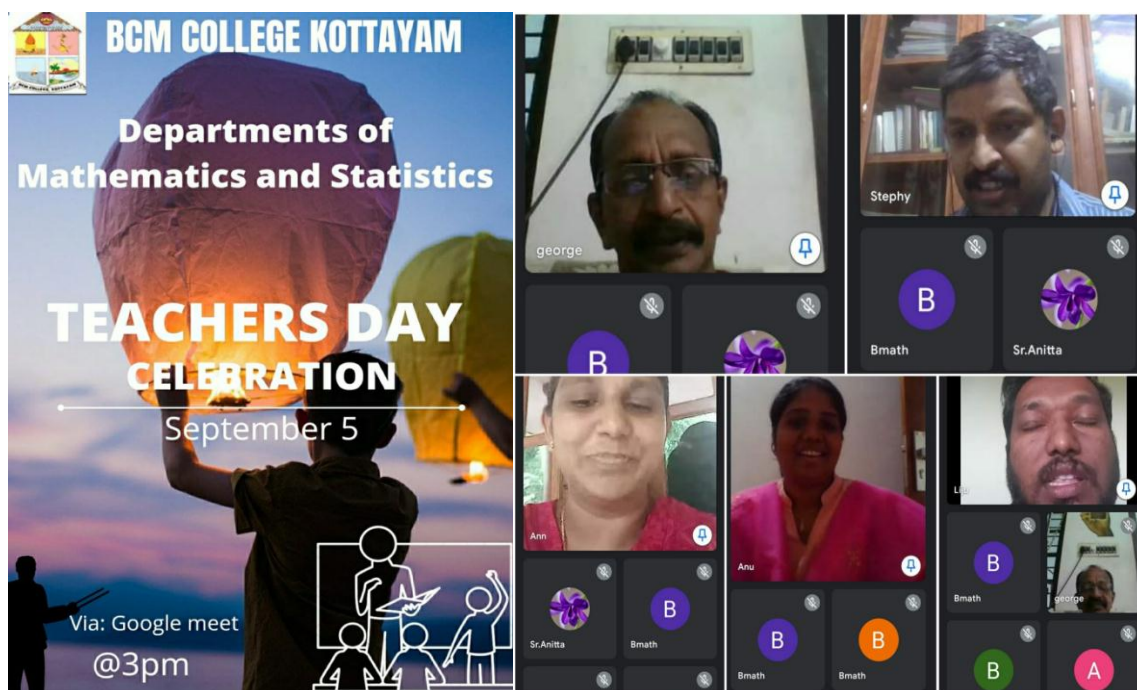


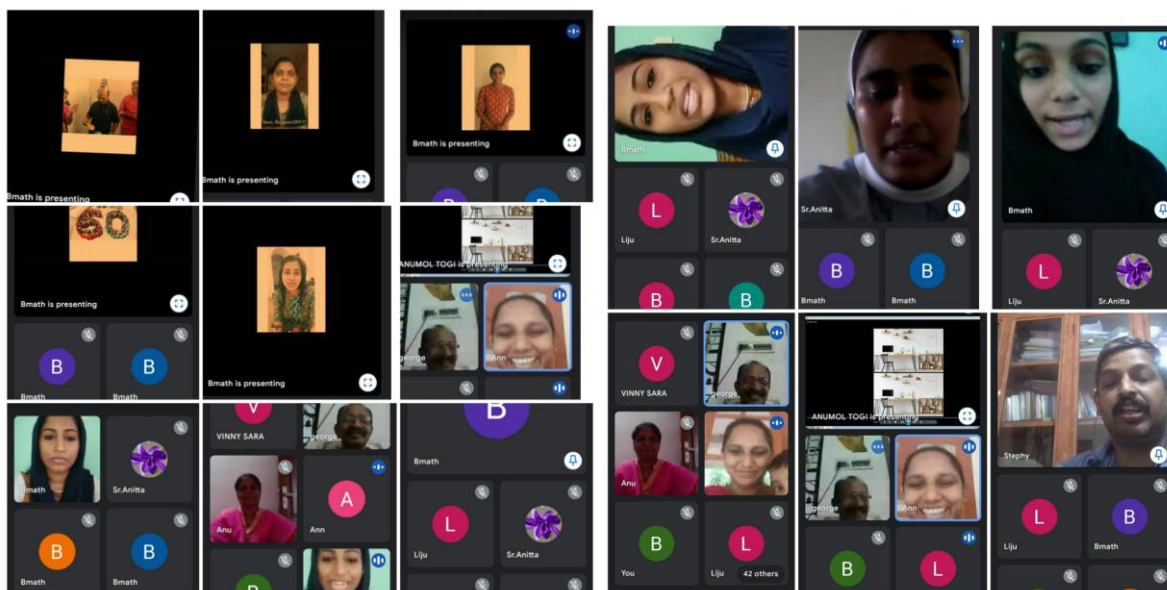
SEPTEMBER 5 TEACHERS DAY

Teacher's Day is celebrated in India every year on 5th September to appreciate the role played by teachers in the lives of students - the leaders of tomorrow. Students express their gratitude and appreciation for their teachers on this day. This day is dedicated to Dr. Sarvepalli Radhakrishnan, the second President of India. He was a great academic philosopher, and one of the most well-known diplomats, scholar and above all a teacher. As a tribute to this great teacher, his birthday has been observed as teachers' day.

Amidst the pandemic the Departments of Mathematics and Statistics of BCM College Kottayam, celebrated this day with great enthusiasm through Google meet on 5th September, 2021 at 3 PM. All the teachers of the departments including the former teachers participated in the program.


The program began with a prayer song. Welcome speech was given by Neha Reji of 3rd DC Mathematics and Sr. Anitta Sunny gave the felicitation for the program. The students presented a video to express their love, respect and affection towards teachers. The teachers happily shared their teaching experiences with the students and it was a moment for the teachers to get reminded about their beautiful past. Various programmes were conducted by the students which raised the charm of the program. Different kinds of games were conducted to entertain the teachers. The program ended with the vote of thanks by Beneeta Justice. Everyone left the programme with a heavy heart of being loved so much.





- E-Greeting Design Contest

Departments of Mathematics and Statistics conducted an Interdepartmental E-Greeting Design Contest to express love and gratitude towards teachers. Students from various Departments actively participated in the competition. Juna Rose Robin of 2nd DC Chemistry was the winner of the competition.


**DEPARTMENTS OF
MATHEMATICS AND
STATISTICS**
Presents
**INTERDEPARTMENTAL
E-GREETING DESIGN
CONTEST**
In association with
TEACHERS DAY

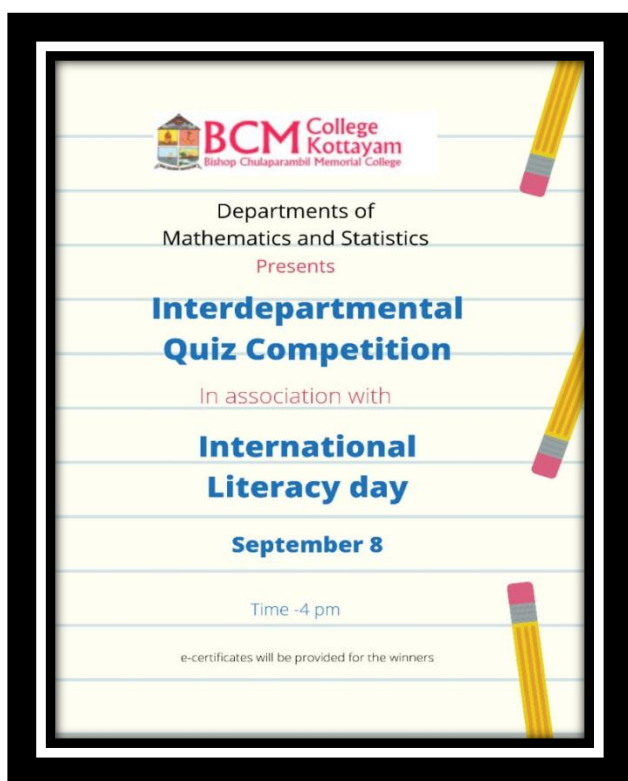
- ALL YOU NEED TO DO IS DESIGN A POSTER WITH A MESSAGE GREETING YOUR TEACHERS!!
- SEND YOUR ENTRIES TO:
VINNY SARA: 97782 32869
GAYATHRI ANIL: 9846735269
- LAST DATE OF SUBMISSION: 10TH SEPTEMBER 2021
- E CERTIFICATES WILL BE AWARDED TO THE WINNERS



September 8: INTERNATIONAL LITARACY DAY

International Literacy Day is an international observance, celebrated each year on 8th September, which was declared by UNESCO on 26th October 1966 at the 14th session of UNESCO's general conference. It was celebrated for the first time in 1967. The day is observed to make people aware of the importance of literacy which no doubt is a matter of dignity and human rights. Let us tell you that it is a key component of the UN's sustainable developmental Goals.

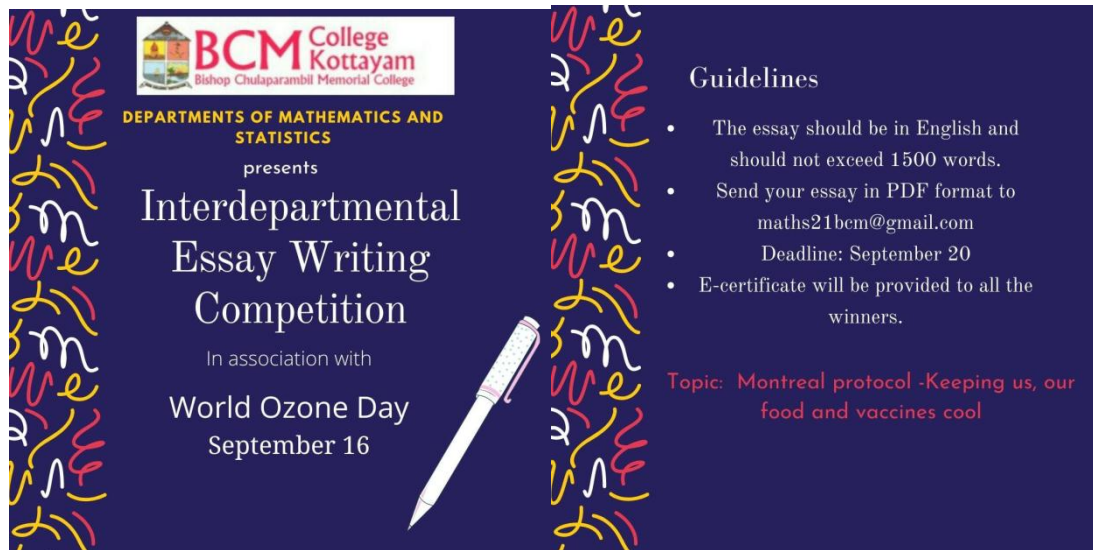
Students of Mathematics department conducted an online Quiz competition about International literacy day for BCM students. This was an opportunity for the students to learn more about the day. Several students participated in the programme and Anjitha E. U. of Chemistry department was the winner.



September 16 Ozone Day

September 16 was designated by the United Nations General Assembly as the International Day for the Preservation of the Ozone Layer. This designation had been made on December 19, 2000, in commemoration of the date, in 1987, on which nations signed the Montreal Protocol on Substances that Deplete the Ozone Layer. This year's theme for the International Day for the Prevention of the Ozone Layer is 'Montreal Protocol — Keeping us, our food, and vaccines cool.

Department of Mathematics organised an essay writing competition on the topic “Montreal protocol- Keeping us, our food and vaccines cool” to aware and study about ozone day and to get inspiration to protect it.



BCM College Kottayam
Bishop Chulaparambil Memorial College

DEPARTMENTS OF MATHEMATICS AND STATISTICS
presents

Interdepartmental Essay Writing Competition

In association with
World Ozone Day
September 16

Guidelines

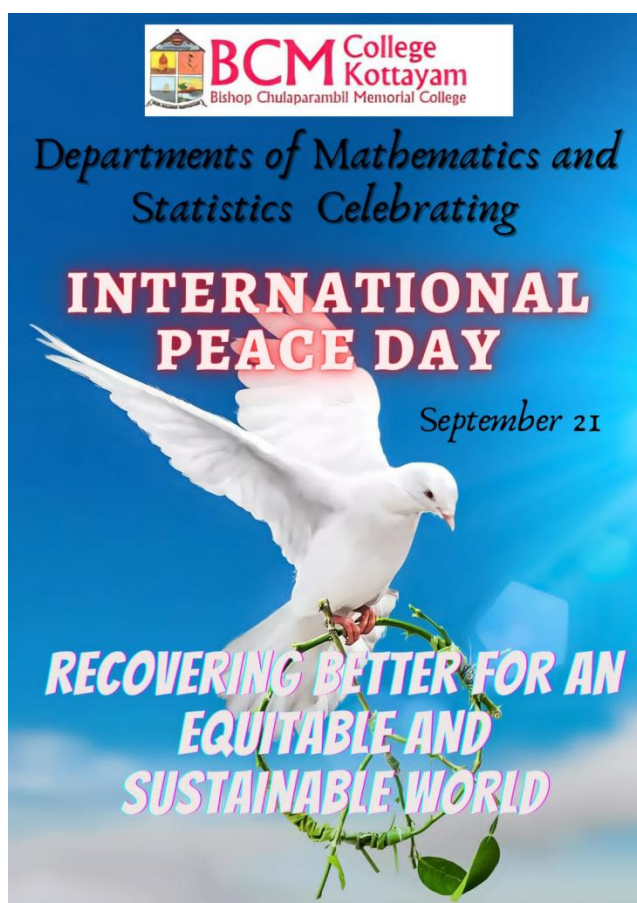
- The essay should be in English and should not exceed 1500 words.
- Send your essay in PDF format to maths21bcm@gmail.com
- Deadline: September 20
- E-certificate will be provided to all the winners.

Topic: Montreal protocol -Keeping us, our food and vaccines cool

September 21 INTERNATIONAL PEACE DAY

Each year the International Day of Peace is observed around the world on 21 September. The UN General Assembly has declared this as a day devoted to strengthening the ideals of peace, through observing 24 hours of non-violence and cease-fire. The 2021 theme for the International Day of Peace is “Recovering better for an equitable and sustainable world”. We invite you to join the efforts of the United Nations family as we focus on recovering better for a more equitable and peaceful world.

Department of Mathematics created a poster on International peace day including the theme of the day in the year 2021. Through sharing the poster in several social platforms students spread the theme all around the world.



VYKHARI- International Lecture Series, 2021

October 1, 2021

VYKHARI; dissemination of knowledge through words- is the annual lecture series of BCM college started with the Diamond Jubilee of college in 2015. This year it was an international lecture event conducted online during September 14 to October 4, 2021. The lecture series includes invited lectures by national and international experts in various subjects. The lecture series was inaugurated by Prof . Dr. Sabu Thomas, honourable vice chancellor, MG University.

The lecture in Mathematics was held on October 1, 2021 at 11.00 am. Dr. Rajesh Kannan, Assistant professor at IIT Kharagpur was the resource person. Topic of the lecture was 'Laplacian Matrix and its applications'. He started the lecture with graph partition problem and some basic theory of Laplacian matrices. He discussed about the application of Laplacian matrices which includes spectral partitioning , bi partitioning problems, clustering etc. Students and teachers from various institutions had participated in the event and the discussion gave the participants more knowledge on Laplace matrix. YouTube link of the session: <https://youtu.be/jt-ZQEcDSyk>



**BISHOP CHULAPARAMBIL MEMORIAL
COLLEGE, KOTTAYAM**

Departments of Mathematics and Statistics



International Webinar Series

September 15 - October 1

Webinar in Mathematics:

Laplacian Matrix and it's Applications

OCTOBER

01

2021

Time - 11:00 AM

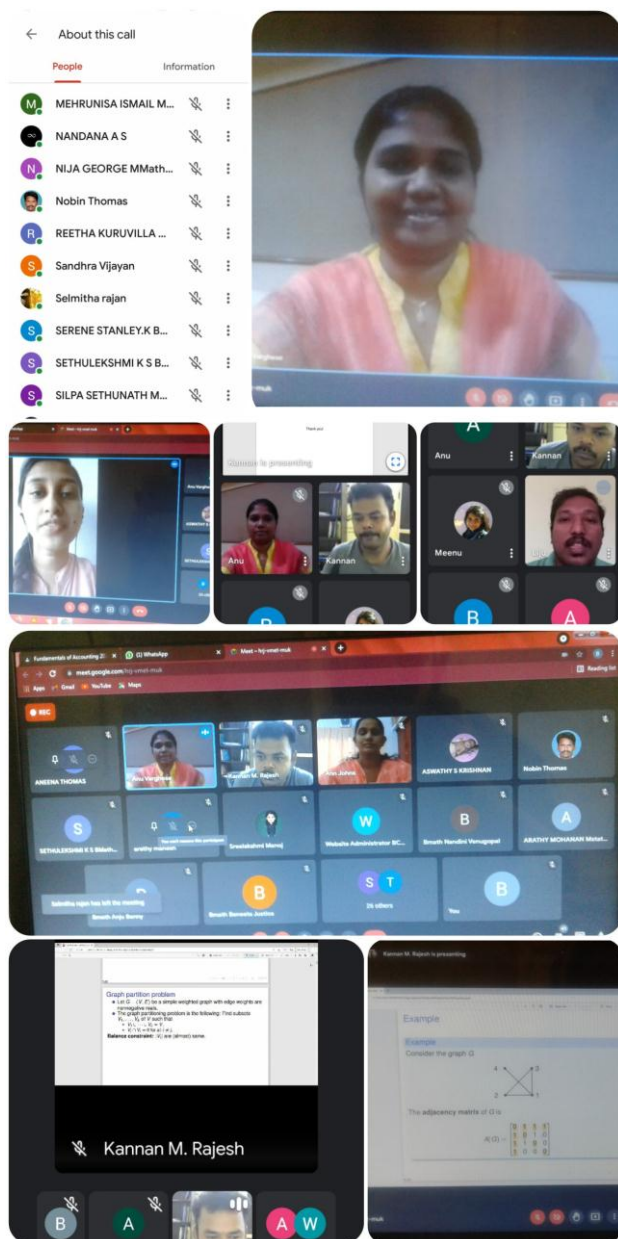
[CLICK HERE TO JOIN](#)

Resource Person:



Dr. RAJESH KANNAN
Assistant Professor
Department of Mathematics
IIT Kharagpur

[CLICK HERE FOR REGISTRATION](#)



October 2 Gandhi Jayanthi

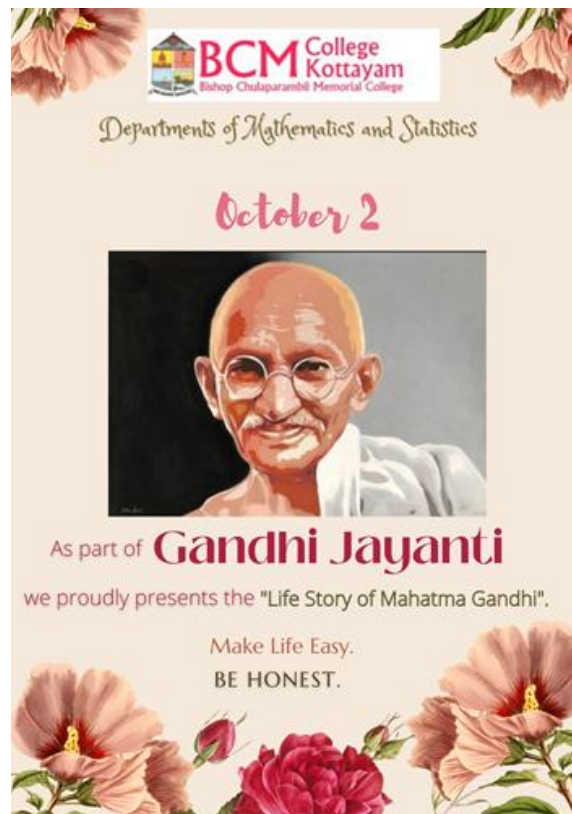
Gandhi Jayanthi is celebrated on 2nd October every year to mark the birth anniversary of Mohandas Karamchand Gandhi popularly known as ‘Father of Nation’. This year mark the 152 nd birth anniversary of Mahatma Gandhi. The ideologies, struggles, and kindness of Gandhi drove India to its independence.

As part of celebrating Gandhi Jayanthi , students of Mathematics and Statistics made a video about Gandhi’s biography and posted it on various social media platforms. It helped all the viewers to understand more about Gandhi. This day provides an excellent chance to pay tribute to this great leader who gave his life for the benefit of the country. Let us follow the

path of truth and pay homage to our Father of Nation on this day. YouTube link of the video is <https://youtu.be/Ek--47BQAI>

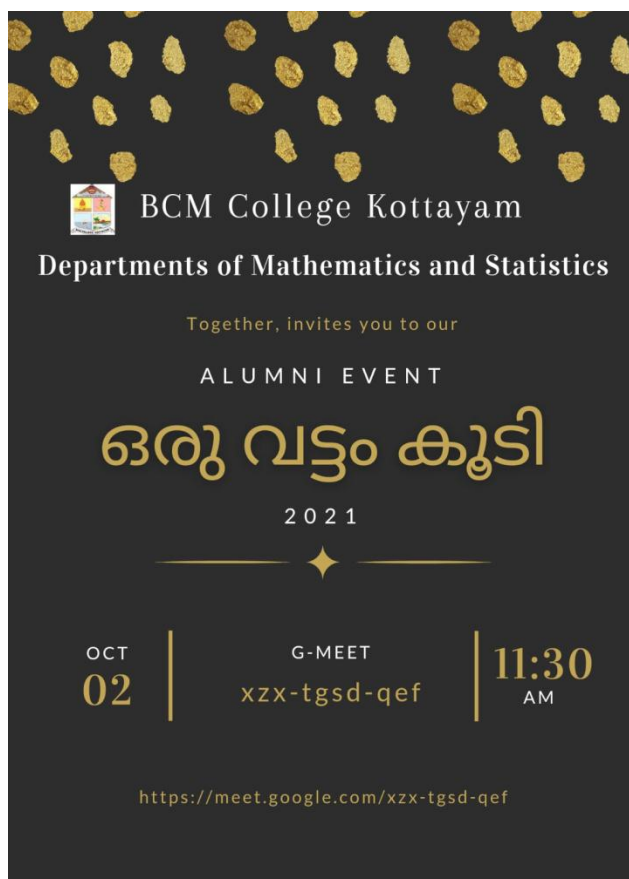
“Live as if you were to die tomorrow,
Learn as if you were to live forever”

--Mahatma Gandhi



Alumini meet October 2

Department of mathematics of BCM college conducted an online alumnus meeting for the ex-bcmities of our department on October 2, 2021 for the pass out batches between 2014 and 2019. It was a grant events will lots of students who passed out before years sharing their life in and out of BCM college. Students were able to experience the positive vibes of ex-bcmities and the support that they got from the college for their successful completion of studies and for their well-being in the future years. The platform was filled with various games and other memorable activities.



October 08, 2021

Elsa Philip, alumni (2015-18 batch) of BCM College Mathematics department, who currently works as an Associate 1cloud infrastructure services UST had interacted with the final year BSc Maths students about the opportunities after degree programme. She gave a brief

description about the Mathematics and Statistics courses. The doubts of many students about the PG courses and universities were clarified by her. The session was really helpful.

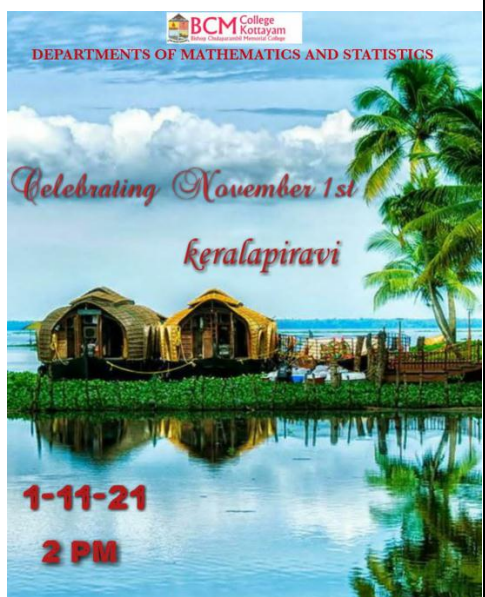


November 1 2021

State formation day

Every year on 1st November, Kerala which is also known as God's own country , celebrates its founding day, and in Malayalam its being called as Kerala Piravi Day. Long after the Independence of the country, the state was formed on the same day in the year 1956. Before its establishment, Kerala was part of several outlying regions that were under various rulers as well as part of three major provinces.

BCM College Kottayam, Departments of Mathematics and Statistics celebrated Keralapiravi on November 1st in room number 110 at 2pm. Students organized several cultural programmes and games related to kerala piravi. All the students as well as teachers had actively participated in the program. It was a platform for the students to get awakened to the call of the patriotism and be proud of their homeland. It was also an occasion for mental refreshment in the time of Covid pandemic.

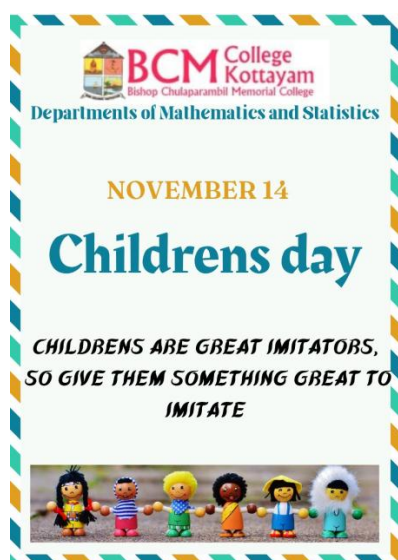




November 14 Childrens day

Children's Day is celebrated across India to increase awareness about the rights, education, and welfare of children. It is celebrated on 14 November every year on the birthday of the First Prime Minister of India, Pandit Jawaharlal Nehru. The theme for World Children's Day 2021 is 'A Better Future for Every Child'. The theme is being observed in accordance to the global coronavirus pandemic which has affected the rights of every child.

As part of celebrating Childrens day students of Mathematics department made a poster giving message to care and lead the children in the good way and shared it through various social media platforms.



November 21, 2021, World Television Day

In 1996, the United Nations general assembly declared November 21 as world television day. The UN recognized television as having an increased impact on decision making as well as being an ambassador for the entertainment industry. Television as a symbol of communication and globalization that educates, informs, entertains and influences our decisions and opinions.

As part of celebrating 'World television day' students of Mathematics and Statistics departments conducted an online quiz competition for the students of BCM College on November 21st. Many students from various departments participated in the competition. The winners were Harithasree and Lakshmi R Nair from department of English. This competition helped improve their knowledge about television day.



DEPARTMENTS OF MATHEMATICS AND STATISTICS

PRESENTS

QUIZ COMPETITION

As a part of



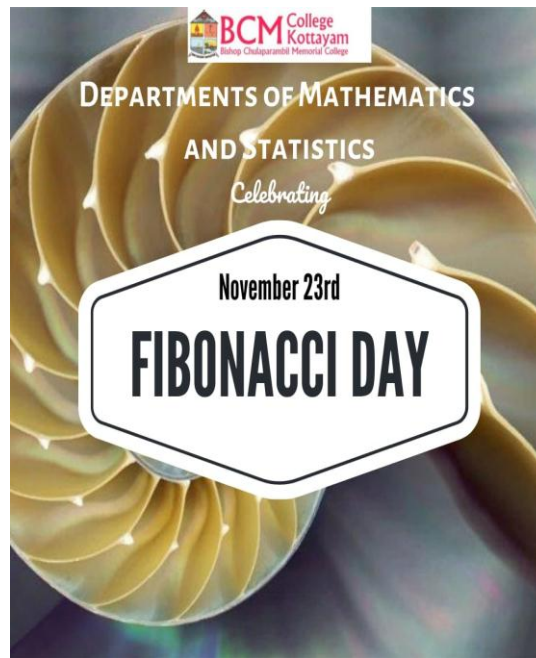
SUBMIT ON OR BEFORE
22 NOVEMBER 2021

**FOR QUERIES
CONTACT
9048139108
9497226646**

November 23 Fibonacci day

Fibonacci Day is celebrated on November 23 of every year. It honors The sequence and Leonardo Bonacci who brought this series to our observation in 1202. He is one of the most leading mathematicians of the Middle Ages. This man is also called Leonardo of Pisa, and he is also popularly known as Leonardo Fibonacci. The term Fibonacci is derived from the word filo Bonacci which means the son of Bonaccio. One of the fantastic things about the sequence is that this series is seen all over the world, for example, the display of Petals in flowers, the arrangement of leaves in plants, etc. November 23 is celebrated as Fibonacci day because when the date is written in the mm/dd format (11/23), the digits in the date form a Fibonacci sequence: 1,1,2,3. The Fibonacci sequence begins like this: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144...

As part of celebrating Fibonacci day students of Mathematics department prepared a video on the topic “Fibonacci sequence in nature” and shared it through various social platforms. It helped everyone to understand that behind the beauty of nature there is a math.



FIBONACCI SEQUENCE IN NATURE

- An important characteristic of the sequence is the fact that the ratio between any number and the previous one in the series tends towards a well-defined value: 1.618... This is the golden ratio or golden section, ϕ (Phi), that frequently occurs in nature.
- The Fibonacci sequence plays a vital role in phyllotaxis, which studies the arrangement of leaves, branches, flowers or seeds in plants, with the main aim of highlighting the existence of regular patterns.
- The various arrangements of natural elements follow surprising mathematical regularities: D'Arcy Thompson observed that the plant kingdom has a curious preference for particular numbers and for certain spiral geometries, and that these numbers and geometries are closely related.
- We can easily find the numbers of the Fibonacci sequence in the spirals formed by individual flowers in the composite inflorescences of daisies, sunflowers, cauliflowers and broccoli.

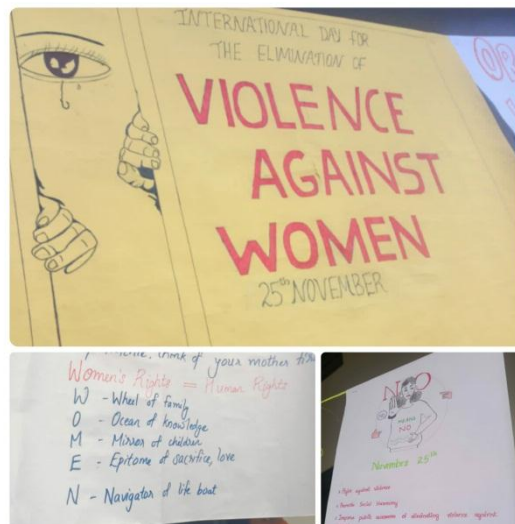
• In mathematics, the Fibonacci numbers, commonly denoted F_n , form a sequence, called the Fibonacci sequence, such that each number is the sum of the two preceding ones, starting from 0 and 1.
 $F_n = F_{n-1} + F_{n-2}$
 • The sequence starts:
 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, ...
 • Fibonacci numbers are named after the Italian mathematician Leonardo of Pisa, later known as Fibonacci.



November 25: INTERNATIONAL DAY FOR ELIMINATION OF VIOLENCE AGAINST WOMEN

The United Nations General Assembly has designated November 25 as the International Day for the Elimination of Violence Against Women. It defines violence against women as an act of gender-based violence that results in physical, sexual, or psychological harm or suffering to women, including threats, etc.


Department of Mathematics conducted a poster presentation including rights and laws for women on November 25 near Sr. Savio hall from 10am to 3pm to commemorate International Day for the Elimination of Violence Against Women. This gave more awareness to the students of the college about the day. Through this artistic skill of students was also expressed.



NOVEMBER 26: CONSTITUTION DAY

In India, constitution day is celebrated every year on the 26th November to mark the anniversary of adoption of Constitution of the country. It marks the beginning of a new era in the history of India. The day aims to spread the importance of the constitution and to spread the thoughts and ideas of B. R. Ambedkar, the father of the Indian constitution.

Department of Mathematics conducted a poster presentation including rights and laws for women on November 25 near Sr. Savio hall from 10am to 3pm to commemorate International Day for the Elimination of Violence Against Women. This gave more awareness to the students of the college about the day. Through this artistic skill of students was also expressed.



BCM College Kottayam
Bishop Chulaparambil Memorial College

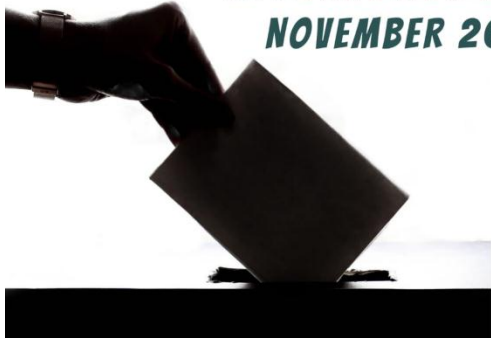
**DEPARTMENT OF MATHEMATICS
AND STATISTICS**


Interdepartmental

Speech competition

In association with

**CONSTITUTION DAY
NOVEMBER 26**





**RULES AND
REGULATIONS**

- **TOPIC : A DEMOCRATIC REPUBLIC NEEDS FREE SPEECH BUT SHOULD THERE BE A LIMIT.**
- **SEND YOUR VIDEO FOR 2 MINS THROUGH WHATSAPP : 8138080131**
- **VOICE AND SPEECH SHOULD BE CLEAR**
- **MEDIUM OF SPEECH-ENGLISH OR MALAYALAM**

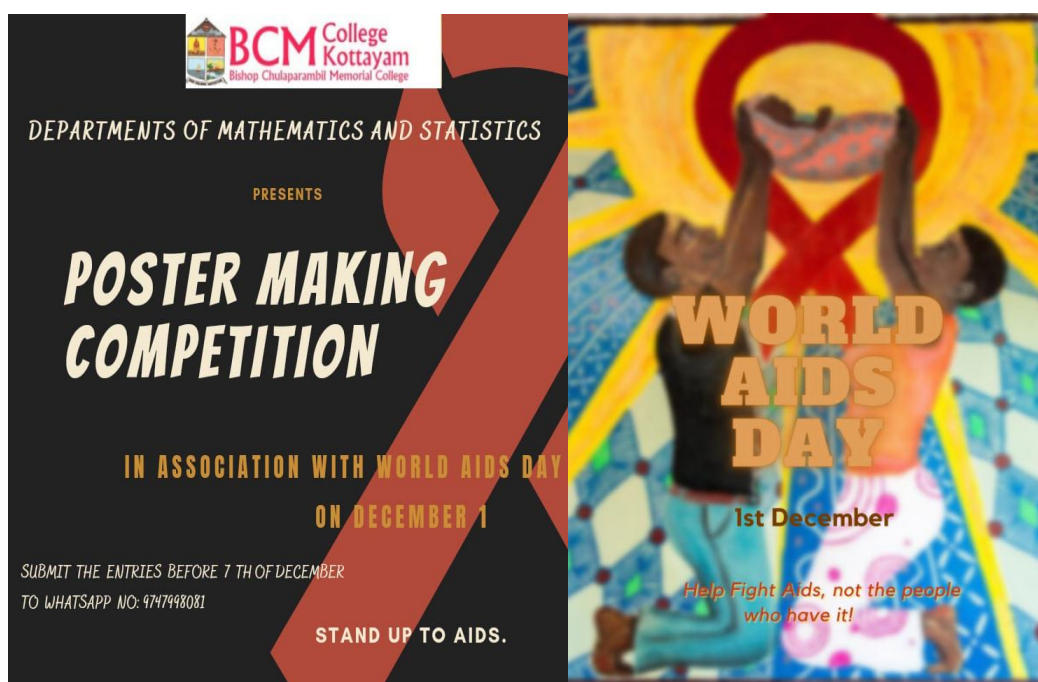
Last date : Dec- 10



December 1, WORLD AIDS DAY

UNAIDS observes World AIDS Day on December 1 every year. The theme of the day for this year is “End inequalities End AIDS”. Approximately 38 million people are currently living with HIV and tens of millions of people have died of AIDS – related causes since the beginning of the epidemic. It is an opportunity for every community to unite in the fight against HIV.

Poster can motivate students to learn a specific topic. It helps the learner to focus on certain ideas. As a part of World AIDS Day students from Department of Mathematics organized an online poster making competition on December 1. This has helped to make students more aware of the disease. Noofia Hameed of 3rd DC English become the winner of the competition



FRESHER'S DAY DECEMBER 1 2021

The Fresher's Day of Mathematics Department was celebrated on the title IGNITE 2K21 on December 1 at 1:30 pm. The programme was celebrated with a set of events, intended to welcome

our new first year students. It was an unforgettable day where the seniors and juniors get to know each other. The programme begins with the welcome, prayer song etc. An irreplaceable person, Ann Johns, HOD of Mathematics department, had delivered a wrathful advice. It gives a good motive to fresher's to shackle their wisdom.

The awaited amazing session began with lot of task and games for the freshers. They were really enjoying it and was visible from their faces. Freshers were very active and teachers were encouraging and supportive for everything. There was a song and group song which had smoothen the minds of the audience. As a token of love, seniors had given food (snacks & drinks) to have. That also makes them happy. The newly appointed teachers had introduced themselves. The programme had end up with vote of thanks.

The very purpose of the Fresher's day party was to welcome new comers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It was a day where seniors and juniors finally bond and unite to celebrate being part of the college. And the day was made it into a memorable one.





MATHEMATICS DAY 23 DECEMBER 2021

WEBINAR

India celebrates National Mathematics Day on December 22 every year. The day marks the birth anniversary of famous mathematician Srinivasa Ramanujan. In 2012, then Prime Minister Manmohan Singh Declared the date as National Mathematics Day to honor the great man.

Department of Mathematics conducted a webinar on the topic 'ശ്രീനിവാസ രാമാനുജൻ , അനന്തം എന്നെന്ന് അറിഞ്ഞയാൾ ' on 22nd December 2021 at 6 PM in association with National Mathematics Day. The webinar was led by Pro. Ambat Vijayakumar, Emeritus professor of Mathematics, Cochin University of Science and Technology. The session was so inspiring and informative.

The program began with a prayer song. Welcome speech was given by Lekshmi of 2nd PG Mathematics, Pro. Ambat Vijayakumar First told about the place where Ramanujan was born and also about his parents, he then told about the Ramanujan number. He started the discussion by giving an introduction about early life of Ramanujan. He also discussed about famous Indian mathematicians. At the end he discussed about Ramanujan's birthday square and taught our students on creating birthday square of them and discussed about Ramanujan's magic square. The webinar gives the spread awareness about the importance of mathematics, which can inspire the younger generation to pursue mathematics as a subject. The program ended with HOD Ann Johns saying vote of thanks.

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Sapientia et Gratia-Wisdom and Grace

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DEPARTMENTS OF MATHEMATICS AND STATISTICS

**NATIONAL MATHEMATICS DAY
LECTURE - 2021**

SRINIVASA RAMANUJAN
- അനന്തം എന്തെന്ന് അറിഞ്ഞ ആൾ

DECEMBER 22 @ 6 PM

RESOURCE PERSON:
PROF. AMBAT VIJAYAKUMAR
EMERITUS PROFESSOR OF MATHEMATICS,
COCHIN UNIVERSITY OF SCIENCE AND
TECHNOLOGY

[CLICK HERE TO JOIN THE WEBINAR](#)

REC

NO BANANAS.....
zero divided by zero?

- Sir,
- If no banana is distributed to no student, will everyone still get a banana?
- Extraordinary Intuition and proficiency.
- The problem of dividing zero by zero.
- Immediate apprehension by mind- Intuition.

Participants: Bmath Anitta Sunny (You), Vijayakumar Ambat, LEKSHMI S. SARATH...

22 12 18 87
88 17 9 25
10 24 89 16
19 86 23 11

Vijayakumar is presenting

Vijayakumar Manju

University of Madras-1907

289 equations

26 April 1920-Death, Chennai

Vijayakumar is presenting

Vijayakumar Manju

Vijayakumar APURBA

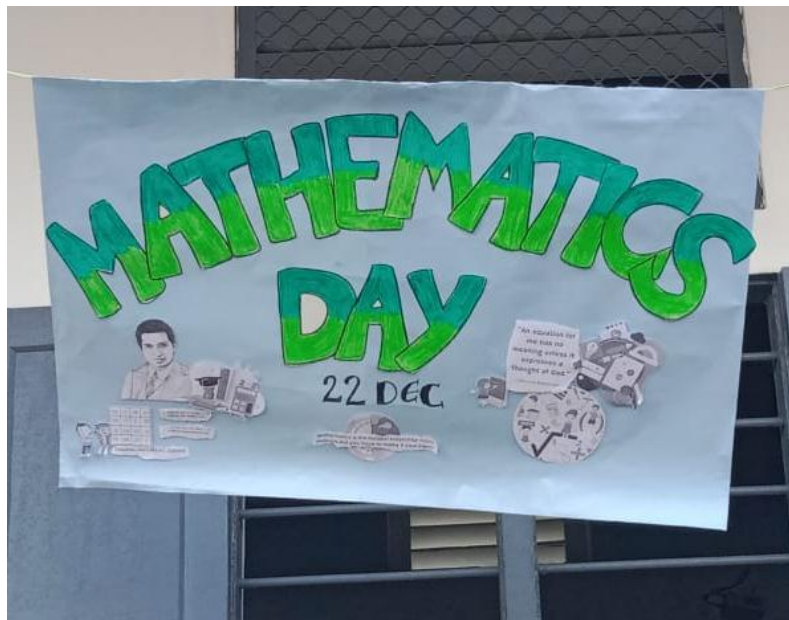
Vijayakumar ANAGHA M.S.

qpr-nmcv-yon

Participants: Bmath Anitta Sunny (You), Vijayakumar Ambat, LEKSHMI S. SARATH..., APURBA, ANAGHA M.S., MEGHA R...

POSTER PRESENTATION

As part of National Mathematics day students of Mathematics department made a poster which includes Mathematical symbols, equations, the picture of Sreenivasa Ramanujan, mathematical quotes etc. and presented it on 22nd December in front of Mathematics Department.



DECEMBER 23 2021 MERIT DAY

The Merit day of Mathematics was celebrated on December 23 at 2PM Congratulating graduates for their success. It was an unforgettable day and the audience were thrilled to see the awards as a result of their hard work. There were 16 students who got overall A plus.

The programme begins with a prayer song. Ann Johns, HOD of the Department gave felicitation to the A plus holders and then gave mementos to them. Assistant professors of the department, Anu Vargheese and Liju Alex shared memories about their students and made a happy shield around with memories. Graduates had shared their memories and experiences in the College. Thus ended merit day at 2.30 PM.





DECEMBER 23, 2021

Christmas was celebrated on 25th December worldwide annually to commemorate the birthday of Jesus Christ, the Son of God. Christmas brings cheer and love and we celebrate it with the same fervour, spreading the message of love and joy among people.

Departments of Mathematics and Statistics of BCM College Kottayam, celebrated Christmas with great enthusiasm on 23rd December, 2021 at 2 p.m. The program began with a prayer song. Welcome speech was given by Lekshmi of 2nd PG Mathematics. The HOD Ann Johns and all other teachers of the department gave felicitation for the program. Staina Joseph of 3rd DC Mathematics delivered the Christmas message.

Various programmes were conducted by the students which raised the charm of the program. There was a dance by first year UG students. It was followed by sweet song of Divya from 1st year PG. After that different kinds of games were conducted. Then there was the Carol Song of the 2nd PG students. This was followed by a dance by students from 3rd DC Mathematics. Followed by the dance there was a carol presented by students of 3rd DC Mathematics. Christmas cakes were distributed to the students. Prof. Liju Alex sung a beautiful song and it was so exiting to the students. The program ended with Amritha Vinod saying vote of thanks and the program was a great success. The transformation from the online mode to offline celebration had made immense pleasure to all teachers and students. During this covid period, it had really made relaxation, reliefness and also enjoyment.



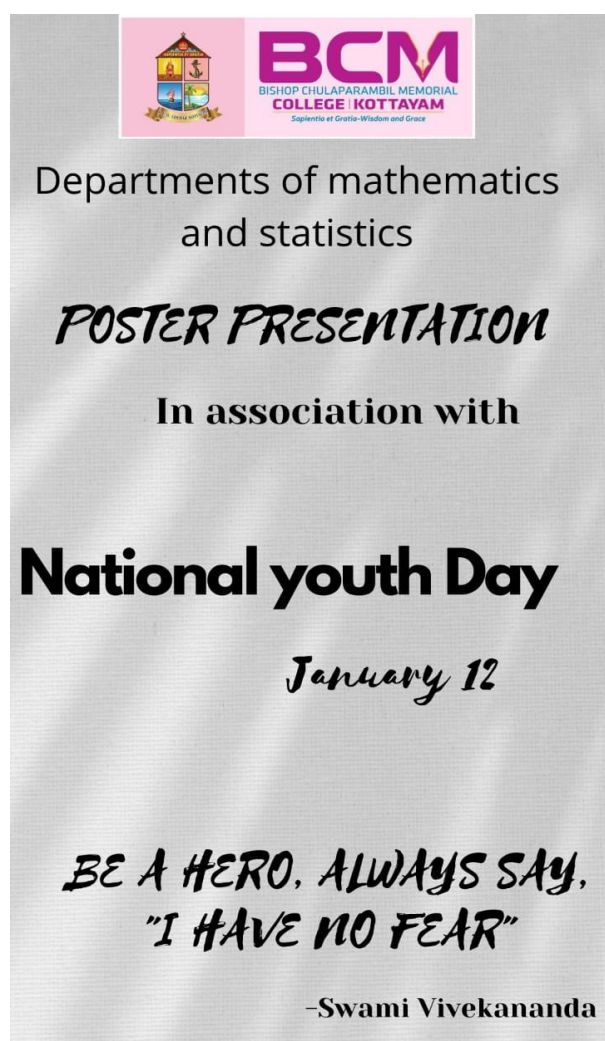


January 12, 2022

National Youth Day

January 12th, the birthday of Swami Vivekananda is celebrated as the National Youth Day in India. It is a celebration of youth, power and unity, how we as young people can impact the world if we put our minds to it.

Students of Mathematics and Statistics Departments enthusiastically celebrated the National Youth Day by conducting a 'Poster Presentation' near the Savio Hall. In spite of the COVID-19 imposed restrictions students were in high spirits. The programme emphasized the need of unity and team work among youth. With the guidance and support of our faculty, the event became a splendid success.





Quizzards of Oz

Quizzards of Oz is a unique exercise of providing informative and interesting facts and messages to students as well as to teachers in an exciting way. Students not only learn to explore but also get to carry back loads of useful information.

Quizzes can be used as a brief assessment in education and similar fields to measure growth in knowledge, abilities, or skills. And this can help them identify areas they need to develop themselves and highlight progress for them to be proud of. In fact, it can also support a growth mindset and foster the attitude to life-long learning that you aim to give your pupils.

Departments of Mathematics and Statistics initiated in starting a platform that elucidated the uncertainties. This is something that has an advantage on the students creating it too. It helps them to know more about the creative side they possess and they get to know more

about such tools that helps them for the same. This really got a wide acceptance since we started it on October 1 2021 and it is still continuing successfully. As the tagline “ Decipher the enigma, unlock the mystery. ” suggests, it allows everyone to unseal the mystery to gain a bulk.



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**Departments of
Mathematics and Statistics**

QUIZZARDS OF OZ

**When was ILO
established?**

Ans: 1919

**QUIZZARDS
OF OZ**

**Which country
gifted the 'statue of
Liberty' to USA
IN 1886?**

France

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Statistics**

Quizzards of Oz

**ZANZIBAR IS AN ISLAND OFF
WHICH AFRICAN COUNTRY?**

Ans: Tanzania

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QUIZZARDS OF OZ

**WHO IS KNOWN AS FATHER OF
CHOCOLATE ?**

Coenraad Johannes van Houten

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QUIZZARDS OF OZ

3 January 2022

**"Which country is also known as the
'Land of Rising Sun'?"**

Japan

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Quizzards of oz

12/02/2022

**Who is the first woman
President of India?**

Ans: Pratibha Patil

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QUIZZARDS OF OZ

1 FEBRUARY 2022

**Who is the father of Indian
cinema?**

Dhundiraj Govind Phalke

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And Statistics**

QUIZZARDS OF OZ

31 January 2022

**Which country gifted the 'Statue
of Liberty' to USA in 1886?**

Ans: France