

Annual Report
Mathematics Association
Year: 2022-23

A Quality Assurance Venture of the IQAC

Baselius College, Kottayam

Certificate Page

This is to certify that the following is a bonafide record of activities and achievements of Mathematics Association for the academic year 2022-23. Necessary supporting documents have been attached wherever possible.

Jaimy Sarah Jacob

Teacher-in-charge

Verified

IQAC Co-ordinator.

Counter-Signed by

PRINCIPAL

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Part – A

1.1 Name of the Club - Mathematics Association

e-mail address - mathematics@baselius.ac.in

Social media details - <https://www.facebook.com/mathbaselius>

Name of the teacher in charge - Jaimy Sarah Jacob

Name of the Club Secretary - Anandhakrishnan P.R.

Contact Nos.

Teacher-in-charge - 9946586685

Secretary - 9778026148

1.2 Executive Committee Details

Sl No	Name of the member	Designation/ Class/ Position
1	Reema Mary Thomas	M1 Data Analytics
2	France Antony Joseph	M1 Data Analytics
3	Jose Sebastian	M2 Data Analytics

4	Nandana M.	M2 Data Analytics
3	Anandhakrishnan P.R	D3 Mathematics
4	K.K. Aleena	D3 Mathematics
5	Sandeep Saji	D2 Mathematics
6	Navya Krishnan K.	D2 Mathematics
7	Ashwin George Thomas	D1 Mathematics
8	Nowreen Fathima Jaleel	D1 Mathematics

No. of committee meetings held : **15**

Sl No	Date of the Meetings	No of participants
1.	03.06.2022	9
2.	17.06.2022	9
3.	25.06.2022	10
4.	18.07.2022	11
5.	20.07.2022	10

6.	01.08.2022	10
7.	14.10.2022	11
8.	28.10.2022	12
9.	12.11.2022	14
10.	20.11.2022	14
11.	19.12.2022	14
12.	13.02.2023	14
13.	23.02.2023	14
14.	02.03.2023	14
15.	14.03.2023	14

(Soft copy of minutes signed by Secretary, Teacher in charge – See Appendix – I)

1.3 Plan of Action

Plan of Action	Proposed Date/ Month	Status of attainment at the year end
Environment Day Celebration	June 6	Jun-06
3-Day Workshop on Artificial Intelligence	June 23, 24, 25	June 22, 23 & 24
National Statistics Day Celebration	June 29	June 29

Extension Activity - Numerical Ability Course for Students from STD V- IX of Govt. Model H.S.S, Kottayam	July	December
Association Inauguration	August	1 st November
Third Lecture of the Lecture Series 'One to Infinity'	August	16 th November
Career Orientation programme	August	1 st November
Commencement of Certificate Course on 'Python' (expected to be completed by October)	First week of August	February
Add on Course on Cloud Computing	July	7 th November
Pi Day Celebration	22 nd July	22 nd July
Celebrations on the birthdays of prominent Mathematicians		22 nd December
Colloquium		23 rd November, 22 nd December, 18 th March
Inter Collegiate Quiz Competition	Aug-09	12 th August
Workshops/Seminars on relevant topic for both UG & PG Programmes	August	June 22 nd
Orientation Class for D1, D2, D3, M1 & M2	September	18 th October
Fibonacci Day Celebration	23-Nov-22	23-Nov-22
Ramanujan's Day Celebration	22-Dec	22-Dec
Inter Collegiate Project Presentation Competition on Mathematics	February	10 th March

Celebration on National PI Day - Colloquium	March 14	18 th March
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Part – B

2.1 - Talks/Lectures/ Workshops Conducted
2.2a - Competitions Organised within the College
2.2b - Inter-Collegiate Competitions Organised
2.3 - Cultural Programmes Organised
2.4 - Extension and Outreach Programme Organised
2.5 - Skill Development Courses Organised
2.6 - Certificate Programme/ Diploma Organised
2.7 - Student Participation and Achievements outside
2.8 - Any Other activity/point worth mentioning

2.1 Talks/Lectures/ Workshops Organised/ Conducted

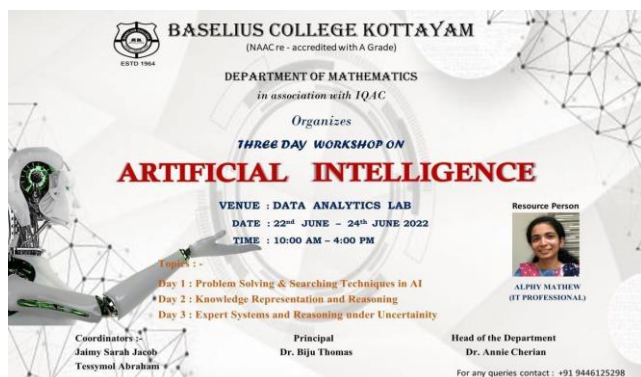
Summary :

Sl No	Title of the Programme	Name of the Resource Person	No. of participants	Links available if any
1.	3-Day Workshop on Artificial Intelligence	Ms. Alphy Mathew, IT Professional	24	
2.	One day Orientation programme for the first year	Ajith P.C., Master trainer, ASAP.	41	

3.	Career Orientation Programme	Dr. Mary Matilda, former Principal of Maharaja's College	67	
4.	Lecture 3 on the topic 'Need and Significance of Computational Mathematics' of the Lecture Series	Siju K.S. Associate Professor, Saintgits College of Engineering	63	
5.	Seminar on Financial Literacy and Social Security	Smt. Anumol C.A., the financial Literacy Councilor, Kottayam	74	

Summary of Reports of each Activity

I.Three day workshop on Artificial Intelligence



A three day workshop titled 'Artificial Intelligence' was organized by Dept. of Mathematics of Baselius college from June 22nd to June 24 th to provide an opportunity for facilitating technical growth of the students. The workshop was conducted under the wings of the Internal Quality Assurance Cell of Baselius College. Ms. Alphy Mathew (IT Professional) who has three years of experience in Artificial Intelligence was the resource person. On the Introductory day of the workshop, the participants got a theoretical

understanding of the basic concepts of AI, Problem Solving and Search Techniques in AI. On the following days, the participants got acquainted with Prolog, a logic programming Language for AI and gained hands-on experience using Prolog. The workshop was a huge success and proved to be an excellent learning opportunity for the students.

Outcomes: Over all twenty four students from M1 Data Analytics and M2 Data Analytics took part in the workshop. This workshop was a good learning experience for the participants. They got familiarized with AI using Prolog and got hands-on sessions with conceptual knowledge about the contents including;

1. Problem solving and search techniques in AI.
2. Knowledge representation and Reasoning.
3. Expert Systems and reasoning under uncertainty.

Since the workshop was beginner friendly, even the absolute beginners acquired a good understanding of the topic. The participants not only enjoyed but also learned a lot with the workshop.



Participant Details

Three Day Workshop on Artificial Intelligence

Date: 20th June to 22nd June, 2022 Venue: Data Analytics Lab

Sl. No.	Name of the students	Day 1 F	Day 2 A	Day 3
1	Elsa Roy	Elsa	Elsa	Elsa
2	Abhinav K. S.	Abhinav	Abhinav	Abhinav
3	Anoop K. Jothi	Anoop	Anoop	Anoop
4	Neesha Anan Puzanve	Neesha	Neesha	Neesha
5	Susana Vood	Susana	Susana	Susana
6	Jissy Jacob	Jissy	Jissy	Jissy
7	Geetha A. Nair	Geetha	Geetha	Geetha
8	Sandya P.S	Sandya	Sandya	Sandya
9	Sandya Georgekutty	Sandya	Sandya	Sandya
10	Sandya P. S	Sandya	Sandya	Sandya
11	Vishnumaya R Nair	Vishnumaya	Vishnumaya	Vishnumaya
12	Haribhadrhan N S	Haribhadrhan	Haribhadrhan	Haribhadrhan
13	Jane Sebastian	Jane	Jane	Jane
14	Nashana M	Nashana	Nashana	Nashana
15	Amey Samuel	Amey	Amey	Amey
16	Prithvi P. S	Prithvi	Prithvi	Prithvi
17	Govindharaj T. S	Govindharaj	Govindharaj	Govindharaj
18	Pravathy Krishna P	Pravathy	Pravathy	Pravathy
19	Aradhya Jose	Aradhya	Aradhya	Aradhya
20	Rose Shaji	Rose	Rose	Rose
21	Anura Adikumar	Anura	Anura	Anura
22	George Sda George	George	George	George
23	LOUIS M. M. JOHNSON	LOUIS	LOUIS	LOUIS
24	Geetha B. Nair	Geetha	Geetha	Geetha
25	Thejas Elathas Kurian	Thejas	Thejas	Thejas

Resource person :- Alphay Mathew

II.Orientation Programme for First Years



A one day Orientation programme for the first year students was organized on Tuesday, 18th October, 2022 . The programme started at 9.30 am with a silent prayer. Ms. Jinta tom, Lecturer, Department of Mathematics welcomed the gathering and introduced the chief guest. The resource person of the day was Ajith P.C., Master trainer, ASAP .

The class started with an Ice breaking session followed by a session on breaking Inhibitions & comfort zone to equip participants to come out of their mind blocks. Third session was on team formation and SWOT analysis. This helped students to realize their strengths, weaknesses and also to identify their right opportunities and to prepare them to face threats. This session was followed by a Goal setting session which helped to set Smart goals and also made them understand about the importance of continuous process in

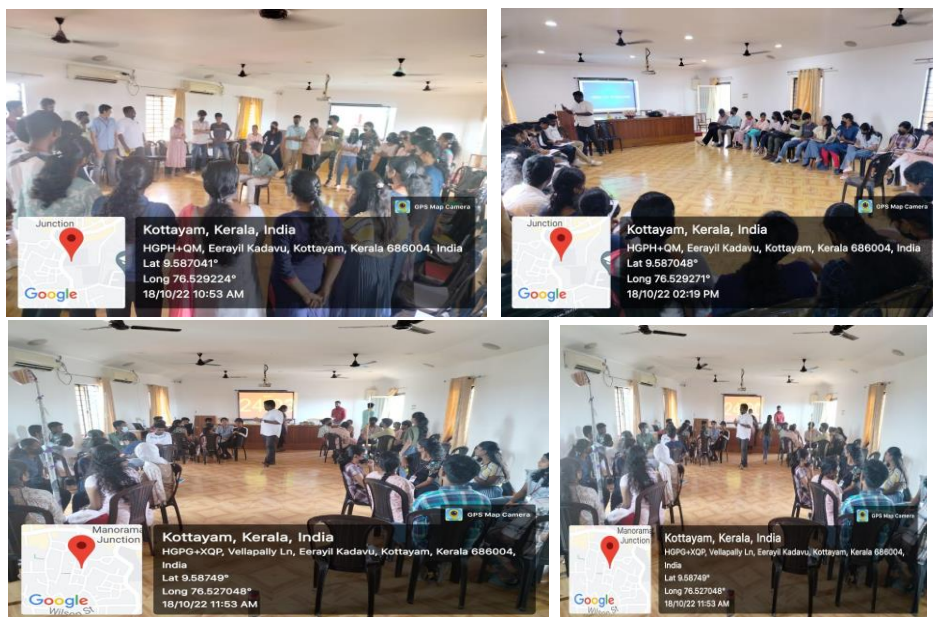
achieving the goal.

All the sessions were explained relating to different zones of our lives and the entire program was cheered up with games and interesting activities. Hence the program was very interesting and the students really benefited from it.

Feedback was also taken at the end of the programme both orally and through feedback forms.

Mr. France Antony of M1 Data Analytics expressed a vote of thanks.

The objective of the programme was to integrate first year students to the new learning environment and to provide them exposure to design their career.





Participant Details

Orientation Programme for First Years

Resource Person: Ms. Ajitha P.C.
Soft Skills Trainer & Language Coach
& Master Trainer of Government Project-ASAP

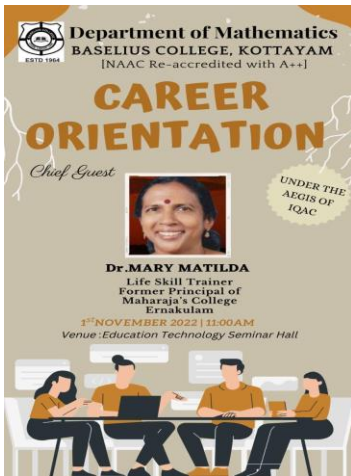
Date: 18.10.22 Time: 9.30 am to 4.30 pm
Venue: Seminar Hall, Mathematics Block

Sl. No.	Name of the Student	Class	Signature		Remarks
			FN	AN	
1.	Athira P.R	M1 Data Analysis			
2.	Abhinava Pradeep	D1 Physics			
3.	Fathima Nouwin	D1 Phy			
4.	ALAN BABY	D1 Phy			
5.	ANADITHU M.E	D1 phy			
6.	Richa Commen	D1 Mathematics			
7.	Aleena Jiji	D1 Physics			
8.	Ganga Pradeep	D1 Physics			
9.	Vishnu K.V	D1 physics			
10.	midhain c.jose	D1 physics			
11.	Jayal George	D1 Physics			
12.	ASIN.T.R	D1 Physics			
13.	Lena Elsa Varghese	D1 Physics			
14.	Ashaly Mariam Philip	D1 Maths			
15.	Masay Vasudha P.F	M1 Data Analysis			
16.	Ashika S	D1 Maths			
17.	Shravan Shajao	D1 Maths			
18.	Anchana R	D1 Maths			
19.	Sreelakshmi S	M1 Data Analysis			
20.	Farika Shaji	M1 Data Analysis			
21.	Pavithra Jina	D1 Physics			
22.	Anand S	M1 Data Analysis			
23.	Sona Annie Punnose	M1 Data Analysis			
24.	Reema Mary Thomas	M1 Data Analysis			

12

Sl. No.	Name of the Students	Class	Signature		Remarks
			FN	AN	
25.	Athalya S. Kumar	M1 Data Analysis			
26.	Nandana P. Saiji	D1 Maths			
27.	Sreedakshmi V.P	D1 Physics			
28.	Jasleena Susan Thomas	M1 Data Analysis			
29.	Divya Haridas	D1 Maths			
30.	Muhammed Shajahan	D1 Maths			
31.	Nisargan S	D1 Maths			
32.	Devayani S	D1 Maths			
33.	Arijath Krishna C.B.	D1 Maths			
34.	Anuena Raji	D1 Maths			
35.	Ashwin George Joseph	D1 Maths			
36.	Nidharan S	D1 Physics			
37.	Vishnu K.V	D1 Physics			
38.	Devanarayana P	M1 Data Analysis			
39.	Franc Antony Joseph	M1 Data Analysis			
40.	A Surya Kumar	D1 Physics			
41.	Reeba Elsa Thomas	M1 Data Analysis			
42.	Sreelakshmi S	D1 Maths			

III. Career Orientation Programme



A career orientation class on Mathematics was organized on November 1, 2022 at 11 am in the Education Technology Seminar Hall. Dr. Mary Matilda, former Principal of Maharaja's College was the Resource Person. Various fields of Mathematical Applications were pointed out during the session. How the problem solving skill gained by Mathematics students is being used in our daily life activities was pointed out. The significance of studying theory and proof was also mentioned as it promotes logical development in students. Besides, application of Mathematics in various fields like Computers and Mathematical Occupations, Insurance, Statistics, Social Science, Physical Science, Life Science and Earth Sciences for finding practical solutions were also discussed. The importance of using mathematical models to develop computer application programmes and to solve operational problems and by Financial Analysts were also discussed. This helped students to get awareness on the various fields of career ahead to be chosen after the UG or PG programme.

Participant Details

Orientation Programme ¹⁵

Resource Person : Dr. Mary Matilda
Former Principal of
Maharaja's College
Ernakulam

Date : 01/11/2022 Time : 11am
Venue : Education Technology Seminar Hall

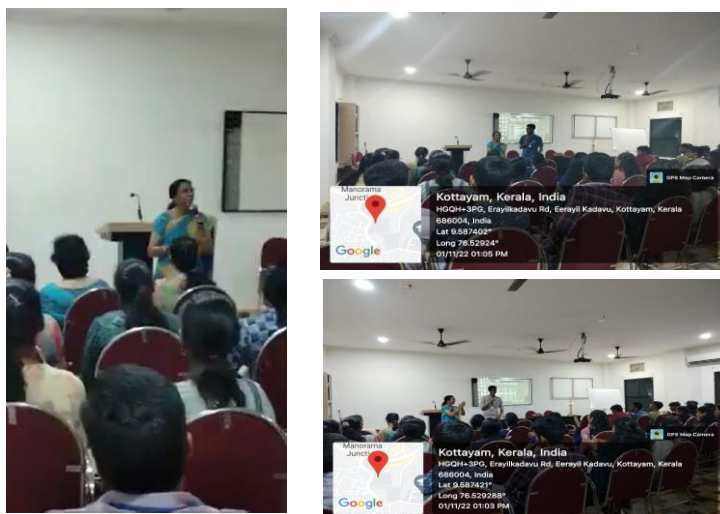
Sr. No.	Name of the students	Class	Signature	Remarks
1	Adithyan M. Patil	B. Maths		
2	Adithyan M. Patil	B. Maths		
3	Adithyan M. Patil	B. Maths		
4	Adithyan M. Patil	B. Maths		
5	Adithyan M. Patil	B. Maths		
6	Adithyan M. Patil	B. Maths		
7	Adithyan M. Patil	B. Maths		
8	Adithyan M. Patil	B. Maths		
9	Adithyan M. Patil	B. Maths		
10	Adithyan M. Patil	B. Maths		
11	Adithyan M. Patil	B. Maths		
12	Adithyan M. Patil	B. Maths		
13	Adithyan M. Patil	B. Maths		
14	Adithyan M. Patil	B. Maths		
15	Adithyan M. Patil	B. Maths		
16	Adithyan M. Patil	B. Maths		
17	Adithyan M. Patil	B. Maths		
18	Adithyan M. Patil	B. Maths		
19	Adithyan M. Patil	B. Maths		
20	Adithyan M. Patil	B. Maths		

Orientation Programme ¹⁶

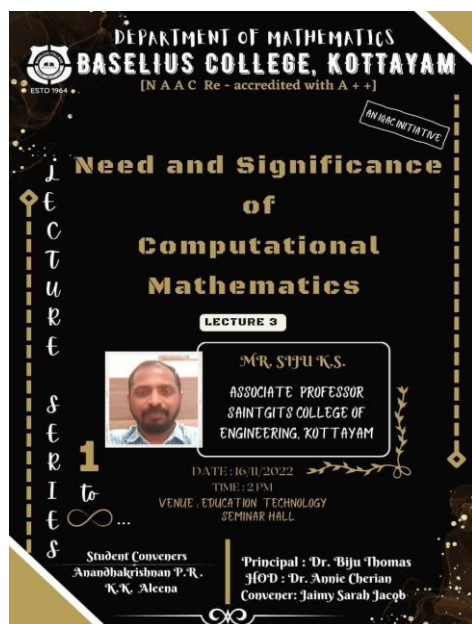
Sr. No.	Name of the students	Class	Signature	Remarks
21	Adithyan M. Patil	B. Maths		
22	Adithyan M. Patil	B. Maths		
23	Adithyan M. Patil	B. Maths		
24	Adithyan M. Patil	B. Maths		
25	Adithyan M. Patil	B. Maths		
26	Adithyan M. Patil	B. Maths		
27	Adithyan M. Patil	B. Maths		
28	Adithyan M. Patil	B. Maths		
29	Adithyan M. Patil	B. Maths		
30	Adithyan M. Patil	B. Maths		
31	Adithyan M. Patil	B. Maths		
32	Adithyan M. Patil	B. Maths		
33	Adithyan M. Patil	B. Maths		
34	Adithyan M. Patil	B. Maths		
35	Adithyan M. Patil	B. Maths		
36	Adithyan M. Patil	B. Maths		
37	Adithyan M. Patil	B. Maths		
38	Adithyan M. Patil	B. Maths		
39	Adithyan M. Patil	B. Maths		
40	Adithyan M. Patil	B. Maths		
41	Adithyan M. Patil	B. Maths		
42	Adithyan M. Patil	B. Maths		
43	Adithyan M. Patil	B. Maths		
44	Adithyan M. Patil	B. Maths		
45	Adithyan M. Patil	B. Maths		
46	Adithyan M. Patil	B. Maths		
47	Adithyan M. Patil	B. Maths		
48	Adithyan M. Patil	B. Maths		
49	Adithyan M. Patil	B. Maths		
50	Adithyan M. Patil	B. Maths		

Orientation Programme ¹⁷

Sr. No.	Name of the students	Class	Signature	Remarks
51	Adithyan M. Patil	B. Maths		
52	Adithyan M. Patil	B. Maths		
53	Adithyan M. Patil	B. Maths		
54	Adithyan M. Patil	B. Maths		
55	Adithyan M. Patil	B. Maths		
56	Adithyan M. Patil	B. Maths		
57	Adithyan M. Patil	B. Maths		
58	Adithyan M. Patil	B. Maths		
59	Adithyan M. Patil	B. Maths		
60	Adithyan M. Patil	B. Maths		
61	Adithyan M. Patil	B. Maths		
62	Adithyan M. Patil	B. Maths		
63	Adithyan M. Patil	B. Maths		
64	Adithyan M. Patil	B. Maths		
65	Adithyan M. Patil	B. Maths		
66	Adithyan M. Patil	B. Maths		
67	Adithyan M. Patil	B. Maths		
68	Adithyan M. Patil	B. Maths		



IV. Lecture 3 of the Lecture Series ‘One to Infinity’



The Lecture 3 on the topic ‘Need and Significance of Computational Mathematics’ of the Lecture Series was held on 16th November 2022 at 2 pm at Education Technology Seminar Hall. The need and significance of Computational Mathematics was clearly explained and it not only helped the Data Analytics branch but also those in the Mathematics discipline.

How computational mathematics is involved in the area of mathematical work that focuses on the application of math to computing technologies was well established. Because so much of the programming and hardware world depends on mathematical operations, there are seemingly infinite ways to apply computational mathematics. Mathematical models applied to logic gates can be seen as a primary example of computational mathematics, and in many other ways, computational Mathematics has been used for web development,

Programmings like Python and in artificial Intelligence. Specific methodologies include stochastic methods and models, symbolic computation, encryption modeling and much more. Those involved in computational mathematics will generally be using mathematical concepts to design software and technology products.

Outcomes:

Through this programme students acquired knowledge about various applications of computational Mathematics. It paved the way for them to know about the emerging careers based on this. Moreover, it created an interest in learning Computational Mathematics.

Participant Details

Lecture Series
Lecture - 3. 13

Resource Person : Mr. Siju K.S
Associate Professor
Saint Gits College of Engineering,
Kottayam.

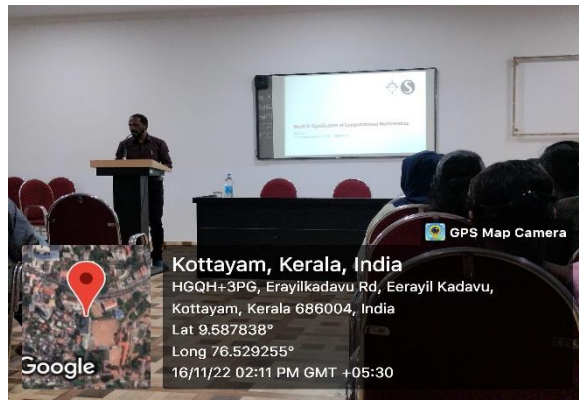
Date : 16/11/2022 Time : 2 Pm.
Venue : Education Technology, Seminar Hall.

Sl. No.	Name of Students	Class	Signature	Remark
1	Tisha Elsa Joseph	D3 Maths		
2	ANANDAKRISHNAN R	D3 Maths		
3	ALEENA K K	D3 Maths		
4	ANJITHA A NAIR	D3 Maths		
5	Nandana M	M2 DA		
6	Soumya S Naia	M2 DA		
7	Lijin M. Johnes	M2 DA		
8	Jose Sebastian	M2 DA		
9	Ummal Jose	M2 DA		
10	Hanithulhan NS	M2 DA		
11	Nishumaya R Nair	M2 DA		
12	Chinethoma TC	M2 DA		
13	Alina P S	M2 DA		
14	Bushy Krishna P	M2 DA		
15	Anand S	M1 DA		
16	Hemesh S	M1 DA		
17	Devanadigana P	M1 DA		
18	Francis Antony Joseph	M1 DA		
19	Amal Al Nica S	M1 DA		
20	Analya B Kumar	M1 DA		

20

Sl. No.	Name of Student	Class	Signature	Remark
21	Evika Shaji	M1 DA		
22	Shrutekshmi S	M1 DA		
23	Reema Mary Thomas	M1 DA		
24	Sana Annie Pundarik	M1 DA		
25	Reeba Elsa Thomas	M1 DA		
26	Mazy Vaseba PF	M1 DA		
27	Jestina Susan Thomas	M1 DA		
28	Grace Saba George	M2 DA		
29	Amy Samuel	M2 DA		
30	Aswini Krishna	D3 Maths		
31	Aswini A. Anil	D3 Maths		
32	Vandana T Vankay	D3 Maths		
33	Remya A. Nair	D3 Maths		
34	Hannah P. Stephen	D3 Maths		
35	Harshita R S S	D3 Maths		
36	Harshita R S S	D3 Maths		
37	Neeha Suresh	D3 Maths		
38	Arsha Sunil	D3 Maths		
39	Ashwini Suresh	D3 Maths		
40	Jinta Mariam Kurian	D3 Maths		
41	K.N Harshadavan	D3 Maths		
42	Joni P Joseph	D3 Maths		
43	Ankay Jose	D3 Maths		
44	Nidham Dilip	D3 Maths		
45	Ashna Mazy Padmanabha	D3 Maths		
46	Ana thi Pradeep	D3 Maths		
47	Ashmi Vaneey Jacob	D3 Maths		
48	Anjana M S	D3 Maths		
49	Shweta Shajan	D3 Maths		
50	Mahammed Shajahan	D3 Maths		
51	Nisargan S	D3 Maths		

Sl. No.	Name of the Students	Class	Signature	Remark
52	Divin Haridas	D3 Maths		
53	Adrian George Joseph	D3 Maths		
54	Anaya Roy	D3 Maths		
55	Krishnakutty	D3 Maths		
56	Rishi Gnanan	D3 Maths		
57	Abhi Manoj Philip	D3 Maths		
58	Nandana Prathima Jacee	D3 Maths		
59	Anika S	D3 Maths		
60	Nandana P. Raji	D3 Maths		
61	Anshana R	D3 Maths		
62	Anjali Krishna C.B	D3 Maths		
63	Devayani S	D3 Maths		



V.Seminar on Financial Literacy and Social Security



As part of Financial Literacy and Social Security week, a seminar on Financial Literacy and Social Security with emphasis on ‘Active saving, planning and budgeting’ and ‘Prudent use of digital financial services’ was organized in collaboration with Kerala Gramin Bank on 16 th February, 2023 from 3:00 pm to 4:00 pm at Education Technology Seminar Hall. Ms.Akhila M.M, Guest Lecturer of Department of Mathematics welcomed the gathering. Sri. Ram Kumar K.V., Chief Manager of Kerala Gramin Bank Regional Office, Kottayam delivered the presidential address and Financial Literacy class followed by. The class was taken by Smt. Anumol C.A., the Financial Literacy Councilor, Kottayam. The programme winded up with a vote of thanks by Sri. Aneesh S., Manager, Kerala Gramin Bank, Kottayam.

All the students got awareness on different modes of banking and various digital financial services through this programme.



2.2a Competition Organised within the college

Summary:

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Digital Poster Presentation Competition	Online Mode	22

Summary of Reports of each Activity



An inter-department digital poster presentation competition was conducted by the department on 29th June, 'National Statistics Day' in memory of the contributions provided by Prof. Prasanta Chandra Mahalanobis, who is recognized as the 'Father of Indian Statistics'. The theme of the competition was "connecting the world with data". The posters were submitted via google form

There was a total of 22 participants from various departments of the college. The 1st and 2nd position holders of the competition were rewarded with a cash award of Rs. 1000 and Rs. 500 respectively.

Outcome:

1. Provided consciousness regarding the importance of observing 'National Statistics Day'
2. Created understanding of the significance of Statistics in connecting the world.

docs.google.com/spreadsheets/d/1PDTvnQhy9shfBjMBG5OO3ogr0LPQKyF/edit?gid=1888893901

National statistics day -participants list .XLSX

File Edit View Insert Format Data Tools Help Last edit was 1 hour ago

A1	Timestamp	Name	Department	Class	Contact Number	Email id	Submit your poster here
1	6/27/2022 23:11:24	VISHNUMAYA R NAIR	MATHEMATICS	M1	9037193570	vishnumayapriya2421@gmail.com	https://drive.google.com/open?id=1wJrqFupTPY03UE63BrkJKLkFMotGysOG
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7	6/28/2022 16:49:47	Akhil shibu	mathematics	D3	9656522042	akhilshibu096@gmail.com	https://drive.google.com/open?id=1FPqbl6npU3NRPNF7R2BdJyTWjx5df
8	6/28/2022 21:08:57	ATHIRA K J	Department of Zoology	D3	9037912212	u.athirak1010@gmail.com	https://drive.google.com/open?id=1QRMAUcZTSCF9z9q9rHc5Bae-ar7SKUNKQ
9	6/28/2022 21:17:32	Jaik P Saji	Commerce(B.Com)	D3	9539914297	jaikpsaji121@gmail.com	https://drive.google.com/open?id=1KzPV-SekwTbrArkhkhGOCne8ivZ8Tfh
10	6/29/2022 8:08:58	Roshan Abraham Kurian	Zoology	D3	8848655505	roshanak035@gmail.com	https://drive.google.com/open?id=16V_sYKpMGYIaca5Ntsp_4d1T1ZyFQ8g
11	6/29/2022 10:14:48	Niranjani Biju	Botany	D2	9947645061	niranjani2004@gmail.com	https://drive.google.com/open?id=1GCKFKNvJNS3s0vACIM4QJGUq2esAZMrG
12	6/29/2022 10:44:15	Sangeetha Susan John	Mathematics	D2	7306030124	sangeethasusanjohn@gmail.co	https://drive.google.com/open?id=1FvLDgogFpGilt0h_fyK6RvusCKNgUzzvm
13	6/29/2022 12:11:16	Revathy S	Physics	D3	07510392804	revathy.sadhan@gmail.com	https://drive.google.com/open?id=1HeBzyDkQWDSz9wf5p8CAVRdl_x6Gd0q
14	6/29/2022 13:28:07	Sherry Abraham Philipos	BBA	D3	9400073079	sherryphilipose@gmail.com	https://drive.google.com/open?id=16qlsX7ixeSPbAOZEEI5rErz9a3-7S
15	6/29/2022 13:30:09	Aron C Thomas	B. Com	D3	7560816063	appuraroncg@gmail	https://drive.google.com/open?id=1SiKFT_FX1toE3ixFj-bp4Dnwb67qAQZ
16	6/29/2022 15:00:05	Dhanush M	Zoology	D3	8078595433	dhanushmair07@gmail.com	https://drive.google.com/open?id=1TT8XRdyrcEmxDX_n6g5ie1BOIZNT11Rf
17	6/29/2022 15:23:02	Ann Mary Joseph	BSc. Zoology	D3	9526686410	amjanmary2020@gmail.com	https://drive.google.com/open?id=1W7QwQ4qvQ2WdULkr9VumNixK6w53IY
18	6/29/2022 15:54:43	Ajeeshamol M ok	Commerce	M1	9526353285	msajeeshamol@gmail.com	https://drive.google.com/open?id=1Pty1oqhp6wy7QJ07RvKZK9WWaX6d-Ubi
19	6/29/2022 16:05:11	Nevin Kuruvilla Thomas	Bcom	D3	8136938054	nevinuruvilla812@gmail.com	https://drive.google.com/open?id=1M09d9JmI2R0bnvilo7kNvPvKZcA8et
20	6/29/2022 16:41:01	Pravege P M	Botany	D3	9567637727	pravegepm@gmail.com	https://drive.google.com/open?id=1ZuzonXmthKNmI1A8Xr36PaLTeoqbXVJ5w
21	6/29/2022 18:18:59	Karishma	Commerce	D1	9526691718	karishmashaji008@gmail.com	https://drive.google.com/open?id=1yGwKJiSBXfpNcXyKbIQGwUJauBpgr3zb0
22	6/29/2022 18:54:56	Anuja Anoop	B.com	D3	7034501272	anujananoop2018@gmail.com	https://drive.google.com/open?id=1uFEIw9a4it7I8l7c6ejZDCHYXQg3wFg6

Form Responses 1

Explore

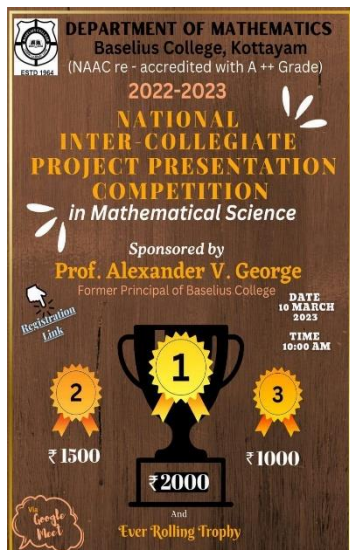
2.2b Inter-Collegiate Competition Organised

Summary:

Sl No	Title of the Programme	Nature of the programme	No. of participants
1.	Inter Collegiate Project Presentation Competition in Mathematical Science	Inter Collegiate	14
2.	Prof. M.J. Thomas Memorial Inter-Collegiate Quiz Competition	Inter Collegiate	37

Summary of Reports of each Activity

I. INTER- COLLEGIATE PROJECT PRESENTATION COMPETITION IN MATHEMATICAL SCIENCE



The department of Mathematics has been conducting an inter-collegiate project presentation competition every year which has been sponsored by the former principal of the college and former HOD of the Department of Mathematics. It was conducted this year on national level via online mode on 10 th March 2023. More than 30 students registered from all over India. After a proper screening of the projects, top 18 projects were shortlisted by the judges Mrs. Julia T. Thomas, Senior Research Fellow, NIT Calicut and Ms. Megha

Rose Manoj, Research Scholar, SB College, Changanacherry. The programme started at 10:00 am. After the welcome speech by Smt. Tessymol Abraham, Assistant professor of Mathematics, the

Jane Shonon Cutinha and Jason Brian Dsouza of St.Aloysius Autonomous College, Mangalore bagged the first and second prizes of Rs.2000 and Rs.1500 respectively and Saradha S of WMO arts and Science College, Muttil secured the third prize of Rs.1000.

Saradha-Third Prize



	A	B	C	D	E	F	G	H
1	Timestamp	Name of the Participant	Name of the Institution	Class (UG/PG)	Email ID	Mobile Numb	Upload your Institutional	Title of the Project
2	3/6/2023 14:49:23	Ansal Ai Nisa S	Basellus college Kottayam	I M.Sc.	aminaizt8@gmail.com	7992527869	https://drive.google.com/	Game Theory
3	3/6/2023 15:46:52	DEVILAS HAJALI	Basellus college Kottayam	I M.Sc.	devilashajali@gmail.c	6232211326	https://drive.google.com/	SPANNING TREES
4	3/6/2023 8:52:47	Devanarayana R	Basellus college Kottayam	I M.Sc.	devanarayanans05@gm	7904553377	https://drive.google.com/	Pascal's triangle
5	3/7/2023 1:16:46	Abhijith M	Catholic College, Pathanamthitta	III B.Sc.	mahjith1433@gmail.co	9544066330	https://drive.google.com/	TESERACT
6	3/6/2023 13:57:59	Sasadhara Dutta	Ramakrishna Mission Vivekananda Centenary I	M.Sc.	duttamahatma@gmail.com	9638047808	https://drive.google.com/	An analysis of golden ball show
7	3/6/2023 18:35:52	Parvathy Chandran L	Sree Narayana College, Kollam.	III M.Sc.	pcci.kmb@gmail.com	751078384	https://drive.google.com/	Mathematics in medical imaging
8	3/6/2023 18:54:55	Reema Paul	St. Aloysius College,Edathua	I M.Sc.	reemapaui2000@gmail.c	9645572326	https://drive.google.com/	Frieze Groups
9	3/6/2023 20:17:21	PREETHI KUMARI P	St. Aloysius College,Edathua	I M.Sc.	kumarpreetheesh5@gmai	7736823515	https://drive.google.com/	Mathematics In Artificial Intelligence
10	3/6/2023 13:53:57	Ronal Thomas	St. Stephen's College, Uzhavoor	III B.Sc.	ronalthomas2604@gmail	9061145922	https://drive.google.com/	FRACTAL DIMENSION
11	3/6/2023 15:43:26	Alswarya surendran	St. Stephen's College, Uzhavoor	III B.Sc.	alswaryasurendan681@	8547316223	https://drive.google.com/	Graph colouring
12	3/7/2023 19:33:12	Delina Jomy	SLAloysis Autonomous College, Mangalore	I M.Sc.	delinajomy22@gmail.com	7510236613	https://drive.google.com/	Domination in Graphs
13	3/6/2023 12:39:58	Vineey R.A	St.Aloisys Autonomous College, Mangalore	I M.Sc.	vineyragowda@gmail.co	8073060595	https://drive.google.com/	Probability Models
14	3/6/2023 12:53:21	Panchami B	St.Aloisys Autonmous College, Mangalore	I M.Sc.	panchamihalla58@gmail	7019987147	https://drive.google.com/	Applications of Number theory in Computer Science
15	3/6/2023 12:54:39	JANE SHONON CUTINI	St.Aloisys Autonomous College, Mangalore	I M.Sc.	janeuciniun21@gmail.co	8951249867	https://drive.google.com/	Nearings and its link to Graph Theory
16	3/6/2023 17:09:30	Jason Brian Souza	St.Aloisys Autnomous College, Mangalore	I M.Sc.	jasonbrian2@gmail.com	9620704638	https://drive.google.com/	Probability Models
17	3/7/2023 8:16:07	Sarahada S	WMO ARTS AND SCIENCE COLLEGE MUTT	II B.Sc.	sarahadhasd8@gmail.co	9188004985	https://drive.google.com/	Applications of linear algebra
18	3/6/2023 20:31:59	Jyothika Subhash	St. Stephen's College, Uzhavoor	III B.Sc.	jyothikasubhash@gmail	9778131589	https://drive.google.com/	Kapekar constant
19	3/6/2023 23:39:45	Mahima John	BCM College, Kottayam	I M.Sc.	mahimajohn003@gmail.c	8281368088	https://drive.google.com/	Betweenness Centrality of graphs
20								
21								

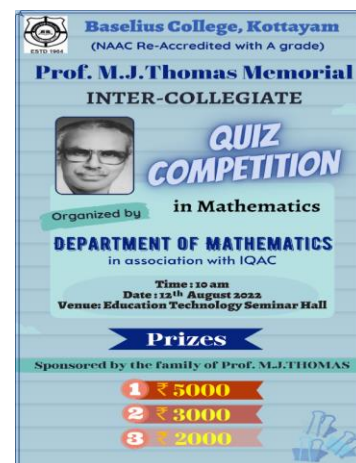
Unlike the yesteryears, the inter-collegiate quiz competition of this year was a tremendous comeback from online to offline mode. The enthusiasm and the competitive spirits were reflected on each candidate and the organizers.

The quiz competition started at 10:00 am on 12th August. Mr. Liju Alex, the assistant professor in Mathematics of BCM College, Kottayam was the quiz master. The competition had 5 rounds and as a tie breaker, the quiz ended up with 6 rounds. The explanation and description of each question enhanced the curiosity of candidates as well as the audience. The competition ended at 1:00 pm.

Outcomes:

1. It helped students to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concepts.
2. It enabled students to think from different angles or simply 'to think out of the box'.
3. It aided team building process.
4. The explanation and description of each question by the quiz master enhanced the curiosity and interest of candidates as well as the audience on the subject.

18 teams registered for the competition and each team comprises two members. The participation details and the details of the winners are given below:



Winners Details

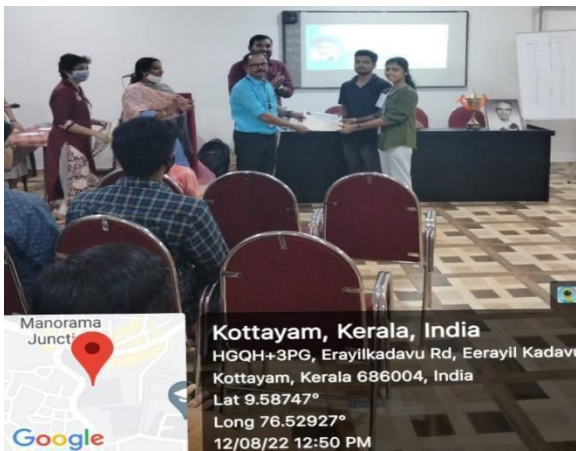
Sl. No.	Position	Name of the Student	Class	Name of the College
1.	First	Vignesh V	III UG	Sree Vidyadhiraja NSS College, Vazhoor
		Sreeparvathi C H		
2.	Second	Febin V Shiju	II UG	SB College, Changanacherry
		Sreejith P S		
3.	Third	Asby O S	III UG	St. Joseph's College, Moolamattom
		Sona Binu		

Participation Details

SL NO	NAME OF THE STUDENT	CLASS	NAME OF THE COLLEGE AND PHONE NUMBER
1	Vallara Arsha / Kottarakkott	III US Habs	HARTHA COLLEGE, THIRUVARUR 7306130907
2	Anshu S Kunnath	III US Habs	HARTHA COLLEGE, THIRUVARUR 702519232
3	Pritha Celin Jose	III US Habs	THA COLLEGE OF ARTS AND SCIENCES 7306392266
4	Regalabya Karan M P	III US Habs	THA COLLEGE OF ARTS AND SCIENCES 9846404600
5	Anitha Varghese	III US Habs	B.K. COLLEGE, ARNABUR 9446075910
6	Pranaya K Tharakadath	III US Habs	B.K. COLLEGE, ARNABUR 9446092315
7	Fahima Sooding	III US Habs	B.K. COLLEGE, ARNABUR 7736804359
8	Anusha H	III US Habs	B.K. COLLEGE, ARNABUR 9995466005
9	Vignesh V	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9061261482
10	Sandeepan S Ch	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9496860695

11	Nivya Sabu	III US Habs	ASSUMPTION COLLEGE, CHANGANNUR 9821882109
12	Tia Hariana Sibi	III US Habs	ASSUMPTION COLLEGE, CHANGANNUR 9779236096
13	Blessan Anna Mathew	III US Habs	ASSUMPTION COLLEGE, CHANGANNUR 9779236096
14	Heenakshi S	III US Habs	ASSUMPTION COLLEGE, CHANGANNUR 7024408769
15	Anagha M S I	III US Habs	K.F. COLLEGE, MANORAMA 907987676
16	Nozignath AN	III US Habs	K.F. COLLEGE, MANORAMA 907987676
17	Joslyn Biju	III US Habs	UNION CHRISTIAN COLLEGE 907987676
18	Bhavana Demail	III US Habs	UNION CHRISTIAN COLLEGE 6235550201
19	Ashira V Sajil	III US Habs	UNION CHRISTIAN COLLEGE 9544479828
20	Elina K Eldhal	III US Habs	UNION CHRISTIAN COLLEGE 907987676
21	Muhammad Alfaraz Mubarek	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9590824395
22	Jayakrishnan N	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9590824395
23	Adarsh Sajid	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9744416169
24	Vishnu F J	III US Habs	ST. THOMAS COLLEGE, RAJANIKOTTA 9089980656





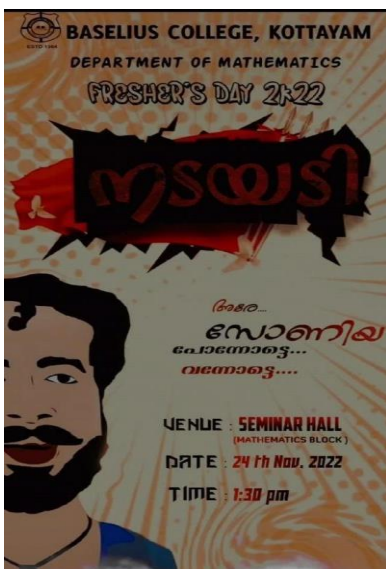
2.3 Cultural Programme Organised

Summary:

Sl No	Title of the Programme	Nature of the programme	No. of Participants
1.	Fresher's day Celebration	Department Cultural Programme	63
2.	Farewell	Department Cultural Programme	63

Summary of Reports of each Activity

I. FRESHER'S DAY CELEBRATION



Fresher's day was celebrated on 24th November 2022 at 2 pm in Seminar Hall of Mathematics Block to welcome the newcomers of UG and PG courses. All teachers and students were present in the programme. Mrs. Tessymol Abraham, Assistant Professor of the Department of Mathematics felicitated the gathering. All first year students of B.Sc Mathematics and M.Sc Data Analytics

introduced themselves. Several cultural programmes and games were conducted. Dance performances and fun filled games made the whole event memorable. Students organized the event effectively. After the refreshments, the programme ended around 4.30 pm.

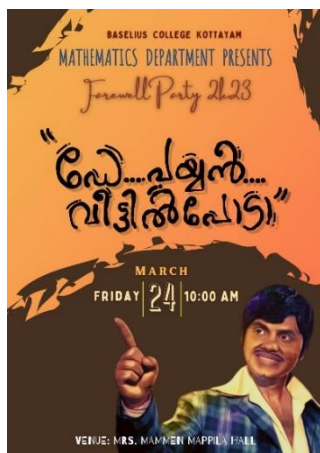


Participants List

D3 Mathematics				
Jinta Mariam Kurian	Nikhilraj O.S.	Athira P.R	Varsha T Varkey	Gopika Santhosh
Hannah P Stephen	Anjitha A Nair	Neeraj Suresh	Godson D Fernandez	Aswani Krishna
Remya R Nair	Antony Jose	Tisha Elsa Joseph	K.K Aleena	Aswani A Anil
Ashna Mary Pathrose	Sanjithh Sankar	K.N.Harshadevan	Abhijith Suresh	Ashmy Aney Jacob
Anandhakrishnan P.R	Nidhimol Dileep	Athira Sunil	Archana Manoj	Akhil Shibu
Joel P Joseph	Parvathy Jayan	Arathi Pradeep	Ajay Anil	Akshay Reji
Anjana M.S.				
D2 Mathematics				
Agna Kurian	Jayasoorya K A	Abhijith Suresh	Hridhya Shaji	Archa.S.Manohar
Ajmal K	Parvathy Krishna	Ashitha Elsa Shaiju	K Navya Krishnan	Nandana Pradeep
Amritha Mariyam Saji	Sangeetha Susan John	Cyril Mamachan	Pavithra K. E.	Sandeep Saji
Anna M Benoy	Devadeth Shaji			
D1 Mathematics				
Aneena Reji	Anjali Krishna C.B	Archana R	Ashika S	Ashily Mariam Philip
Aswin George Joseph	Divin Haridas	Deavayani S	Krishnadev M	Muhammed Shajahan
Nandana P Salji	Niranjan S	Richu Umman	Shima Shajan	Nowreen Fathima Jaleel
M1 Data Analytics				
Ahaliya S Kumar	Athira P R	Devika Shaji	Mary Varsha .P.F	Reeba Elsa Thomas
Reema Mary Thomas	Amal Al Nisa S	Anand S	Sreelekshmi S	Akhiljith A
Hareesh C S	Devanarayanan P	France Antony Joseph	Sona Annie Punnoose	Jesteena Susan Thomas

M2 Data Analytics				
Ancy Samuel	Grace Sabu George	Jose Sebastian	Parvathy Krishna P	Nandana M
Athira P.S	Harikrishnan N S	Lijin M Johnson	Vishnumaya R Nair	Soumya S Nair
Gireeshma T C	Jissmol Jose			

II. Farewell



Department of Mathematics of Basilius College, Kottayam celebrated the farewell ceremony (2020-23) of final year UG students wholeheartedly. It was just not happiness but a harmony of love, care and true friendship. The ceremony was held on 24th March, 2023 at 10 am in Mrs. Mamen Mappila Auditorium. Second year students of UG coordinated the programme. Dr. Annie Cheriyan, the Head of the Department, Jaimy Sarah Jacob and Tessymol Abraham, the Assistant Professors felicitated the senior students and shared their moments with them. The cultural programmes and games performed by the students made Farewell more beautiful and memorable. Seniors shared their Baselian life and it was a quick recap of all the three years. The whole programme and the lunch thereafter were so filled with esteemed love and affection.



Participant Details

D3 Mathematics				
Jinta Mariam Kurian	Nikhilraj O.S.	Athira P.R	Varsha T Varkey	Ashmy Aney Jacob
Hannah P Stephen	Anjitha A Nair	Neeraj Suresh	Godson D Fernandez	Aswani A Anil
Remya R Nair	Antony Jose	Tisha Elsa Joseph	K.K Aleena	Aswani Krishna
Ashna Mary Pathrose	Sanjithh Sankar	K.N. Harshadevan	Abhijith Suresh	Gopika Santhosh
Anandhakrishnan P.R	Nidhimol Dileep	Athira Sunil	Archana Manoj	Akhil Shibu
Joel P Joseph	Parvathy Jayan	Arathi Pradeep	Ajay Anil	Akshay Reji
Anjana M.S				
D2 Mathematics				
Agna Kurian	Anna M Benoy	Amritha Mariyam Saji	Hridhya Shaji	Sangeetha Susan John
Ajmal K	Archa.S.Manohar	Jayasoorya K A	Nandana Pradeep	Cyril Mamachan
Amritha Mariyam Saji	Sandeep Saji	Abhijith Suresh	K Navya Krishnan	Pavithra K. E.
Parvathy Krishna	Ashitha Elsa Shaiju			
D1 Mathematics				
Aneena Reji	Anjali Krishna C.B	Archana R	Ashika S	Ashily Mariam Philip
Aswin George Joseph	Divin Haridas	Deavayani S	Krishnadev M	Muhammed Shajahan
Nandana P Salji	Niranjan S	Richu Umman	Shima Shajan	Nowreen Fathima Jaleel

2.4 Extension/Outreach Programme Organised

Summary:

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Remedial Classes for pupils of Govt. Model High School, Kottayam	Extension Activity	16

Summary of Reports of each Activity

I. Remedial Classes for students in School Level

Learning and sharing knowledge is the key to reduce the darkness. Disseminating knowledge is the human duty, sharing it will make us more wise. Also it helps to enhance confidence and thereby we can overcome the fear of studying for exams. In light of these thoughts, the Department of Mathematics of Baselius College, Kottayam has been conducting an extension programme for the last 7 years.

As an extension activity as well as an institutional social responsibility, remedial coaching classes for slow learners of Mathematics at school level are being taken by few of UG, both first year and second year. The beneficiaries are from Govt. Model High School, Kottayam. This year also students visited Model school children and taught them maths concepts from 18th December 2022 to January 27, 2023 at 8:45 am. Students taught them for an hour. The main focusing areas were basic mathematical concepts, fractions, decimals, algebra, angles, ratios and so on.

The total 15 hours teaching - learning extension programme was very fruitful. The tutors were happy with the response of the children. Second year students, Ms. Anna M Benoy, Ms. Pavithra K E, Ms. Hridhya Shaji, Ms. Sangeetha Susan John, Mr. Jayasooriya K A, Ms. Amritha Mariyam Saji, Ms. Archa S Manohar, Mr. Ajmal, Mr. Cyril and Mr. Abhijith coordinates the programme. Along with them, first year students, Mr. Muhammed Shajahan, Ms. Anjali Krishna C B, Mr. Ashwin George Joseph, Ms. Nowreen Fathima Jaleel and Ms. Ashika S were also a part of this programme.

PARTICIPANTS DETAILS				
SL. No.	Name of the Tutors	Classes	Dates	Portions Covered
1	Ashwin George Joseph, DI Maths	Class V	18-12-2022	Fractions
2	Pavithra K E, D2 Maths		08-01-2023	
3	Hridhya Shaji, D2 Maths		09-01-2023	
4	Nowreen Fathima Jaleel, DI Maths	Class VI	10-01-2023	Decimals
5	Ajmal K, D2 Maths		11-01-2023	
6	Anna M Benoy, D2 Maths		12-01-2023	
7	Sangeetha Susan John, D2 Maths	Class VII	16-01-2023	Angles
8	Archana R, DI Maths		17-01-2023	
9	Cyril Mamachan, D2 Maths		18-01-2023	
10	Abhijith Suresh, D2 Maths	Class VIII	19-01-2023	Ratios
11	Amritha Mariyam Saji, D2 Maths		20-01-2023	
12	Ashika S, DI Maths		24-01-2023	
13	Jayasurya K A, D2 Maths	Class IX	25-01-2023	Algebra and Polynomials
14	Muhammed Shajahan, DI Maths		26-01-2023	
15	Anjali Krishna C B, DI Maths		27-01-2023	
16	Archa S Manohar, D2 Maths			
School - Govt. Model High School, Kottayam			Time : 8.45 am to 9.45 am	



2.5 Skill Development Programme/ Courses Organised: Nil

Summary:

Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Cloud Computing Course	Skill Acquisition Programme by ASAP	31

1. The AWS Academy Cloud Computing Course offered by ASAP was a comprehensive program specifically designed for undergraduate and postgraduate students at Basilius College. The classes were scheduled on alternate days and weekends. The course aimed to provide students with a comprehensive understanding of cloud computing concepts, regardless of their specific technical roles. covered detailed studies of AWS core services, cloud architecture, security, and other essential topics. Additionally, the course prepared students for the AWS Certified Solution Architect exam while also offering valuable placement assistance.



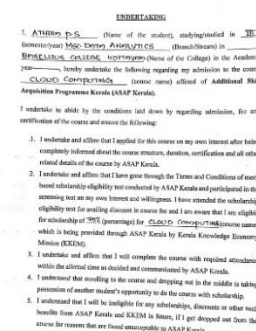
The AWS Academy Cloud Computing Course was designed to equip students with a solid foundation in the fundamental concepts, principles, and technologies associated with AWS cloud computing. The curriculum focused on enhancing students' knowledge and skills, enabling them to pursue AWS certifications and prepare for various career opportunities in cloud computing.

The course objectives were multi-fold. Firstly, it aimed to provide students with a detailed understanding of AWS core services, such as computing, storage, database management, networking, and security. Through hands-on labs and practical exercises, students gained proficiency in cloud architecture and learned how to design solutions using AWS services effectively. Moreover, the course incorporated preparation for the AWS Certified Solution Architect exam. Students were provided with the necessary knowledge and resources to confidently pursue this industry-recognized certification, which further enhanced their professional credibility and employability in the cloud computing domain.

Lastly, the course offered valuable placement assistance to students, providing them with guidance and support to kickstart their careers in cloud computing. This aspect of the course ensured that



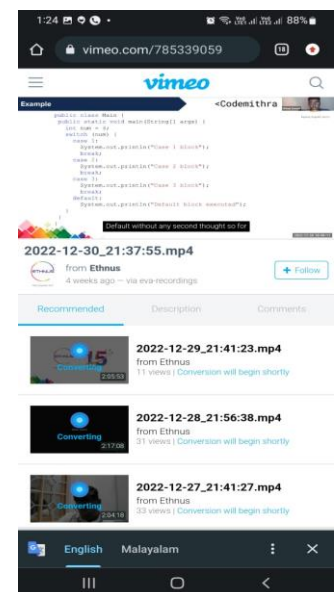
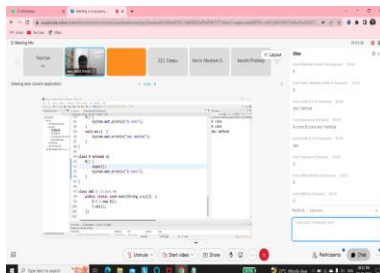
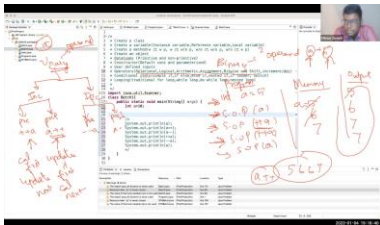
It



In conclusion, the AWS Academy Cloud Computing Course by ASAP provided students at Baselius College with a comprehensive understanding of cloud computing concepts and AWS core services. The course's focus on practical application, exam preparation, and placement assistance ensured that students were well-equipped to pursue successful careers in the field of cloud computing.

Participants List

Athira P.S.	Grace Sabu George	Vishnumaya R. Nair	Varsha T Varkey	Gireeshma T.C.
Harikrishnan N.S.	Anjitha A Nair	Neeraj Suresh	Jose Sebastian	Soumya S. Nair
Remya R Nair	Jissmol Jose	Tisha Elsa Joseph	K.K Aleena	Aswani A Anil
Ashna Mary Pathrose	Ancy Samuel	Lijin M. Johnson	Abhijith Suresh	Parvathy Krishna P
Anandhakrishnan P.R	Agna Kurian	Jayasoorya K A	Archana Manoj	Nandana M.
Archa.S.Manohar	K Navya Krishnan	Arathi Pradeep	Sangeetha Susan John	Pavithra K. E.
Anna M Benoy				



2.6 Certificate Course Conducted, if any

Summary

Sl No	Title of the Certificate Course	Number of Students Registered	No. of Students who successfully completed the course
1.	Python for Beginners	30	30

I. Python for Beginners

DEPARTMENT OF MATHEMATICS
Baselius College, Kottayam
 NAAC Re-Accredited with A++ Grade
 ESTD 1964

PYTHON FOR BEGINNERS
 A Certificate Course in Python Programming

30 Hours

FIRST SESSION ON FEBRUARY 4TH 2023

Why do a course in Python Programming?

- To start programming in Python.
- To dive into coding and achieve a level of programming knowledge.
- To understand the basic concepts of software development technology.
- To develop problem solving, logical and creative skills.
- To develop career opportunities.

Mathematics and programming are closely related. Learning a programming language like Python is an added advantage for developing a good career.

Who should enroll?

- Anyone who wants to learn Python and modern programming techniques especially students.

The only preliminary requirement is a very basic knowledge in mathematics.

Topics to be covered

- Python Fundamentals - Tokens, Data types, Mutability and Immutability, Inputs
- Branching and Looping
- Complex data types - Strings, Lists, Tuples, Sets, Dictionaries
- Functions and Modules
- Objects and Classes

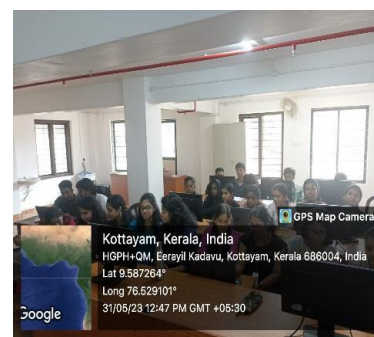
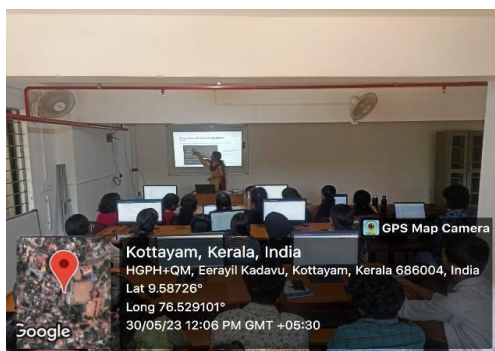
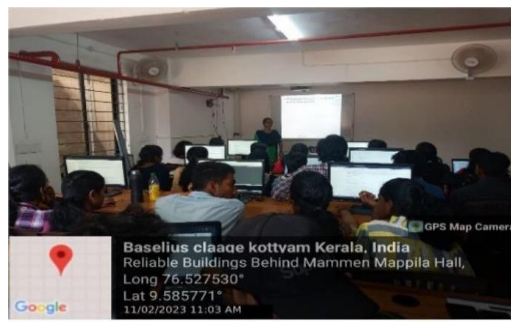
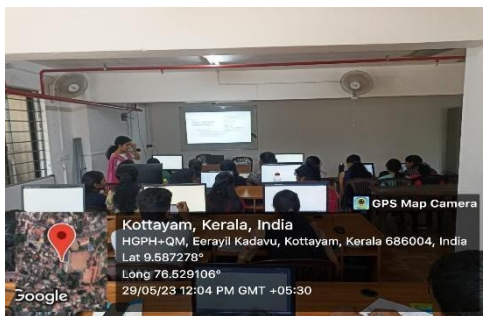
The 30 hours Certification programme on Python Programming was started in the month of February 2023 and was conducted on six days for the I and II year B.Sc Mathematics Students. The sessions were shared by two Resource persons namely Ms. Megha Rose and Ms. Alphy Mathew.

The first 3 sessions were taken on 4th, 11th and 25th February 2023 by Ms. Megha Rose who covered the python basics including the data types and structures, branching and looping statements whereas the next 3 sessions were conducted on 29th, 30th and 31st May 2023 by Ms. Alphy Mathew who

dealt with the python topics such as User defined functions, modules, Object Oriented programming (Classes & objects), Inheritance and GUI programming (Tkinter).

The sessions were useful to the candidates as Python is a well demanded programming language of this era. The hands-on practical sessions helped students in gaining more application-level knowledge in Python programming thereby improving their logical and technical skills.

Agna Kurian	Anna M Benoy	Amritha Mariyam Saji	Hridhya Shaji	Sangeetha Susan John
Ajmal K	Archa.S.Manohar	Jayasoorya K A	Nandana Pradeep	Cyril Mamachan
Amritha Mariyam Saji	Sandeep Saji	Abhijith Suresh	K Navya Krishnan	Pavithra K. E.
Parvathy Krishna	Ashitha Elsa Shaiju	Nandana P Salji	Richu Umman	Shima Shajan
Aneena Reji	Anjali Krishna C.B	Archana R	Ashika S	Ashily Mariam Philip
Aswin George Joseph	Divin Haridas	Deavayani S	Nowreen Fathima Jaleel	Muhammed Shajahan



2.7 Student Participation and Achievement – Outside College (Curriculum and Co-Curriculum)

Sl No	Name of the Student	Class	Email	Programme organised by with title of the Programme	Date of the Programme	Nature of achievement (Participation/ Position to be specified)	Whether certificate attached
1.	Godson D. Fernandez	D3 Math	godsondfernandez369@gmail.com	11 th Battalion The Madras Regiment Camp		Second best Contingent Commandar	yes
2.	K. Navya Krishnan	D2 Math	navyakrishnan03@gmail.com	Inter Collegiate Treasure Hunt competition held by Department of Statistics, K.E College, Mannanam	28.06.22	4 th Position	yes
3.	Akhil Shibu	D3 Math	akhilshibu096@gmail.com	Inter-Collegiate Digi Poster Making Competition conducted by NSS of Arafa College on the World Population Day	11.07.22	Second Place	yes
4.	Soumya S. Nair	M2 Data Analytics	soumyasnair131@gmail.com	Online Coding Competition organized as part of National Statistics Day by Department of Statistics and Mathematics , BCM College, Kottayam	29.07.22	First Place	yes

5.	Gopika A	M2 Data Analyt ics	gopikaanil71@gmail.com	Placement at ETG CAREER LABS PRIVATE LIMITED as Data Science Mentor	20.07.22	Remunerat ion - 25,000 per month	yes
6.	Abhijith K.S	M.Sc Data Analyt ics	abhijithks300@gmail.com	Placement as Analyst in I-PAC	29.09.22		yes
7.	Jincy Jacob	M.Sc Data Analyt ics	jincykalapuracal@gmail.com	Placement as Research Assistant at the School of Digital Sciences of the University of Kerala	29.09.23		yes
8.	Antony Jose	D3 Math	antonyjosefc7@gmail.com	The preliminary of Power Quiz organized by KSEB in association with Quiz Club, Baselius College	20.10.22	First Prize	yes
9.	Sandeep Saji	D2 Math	sandeepsaji1010@gmail.com	Participated in IGC camp(NCC)	October 14-21	got selected fo r Pre-RD	yes
10.	Athira P. R	D3 Math	athiraparappuram@gmail.com	Kottayam District Senior Karate Championship held at Sports Council Indoor Stadium, Kottayam in above 18 years to 45 kg category	13th November 2022	First Prize	yes

11.	Athira P. R	D3 Math	athiraparappuram@gmail.com	Kottayam District Karate Championship held at Sports Council Indoor Stadium, Kottayam in under 21 years to 45 kg category	13th November 2022	First Prize	yes
12.	Shima Shajan	D1 Math	shimashajan2004@gmail.com	Kottayam District Senior Karate Championship held at Sports Council Indoor Stadium, Kottayam in above 18 years to 45 kg category	13th November 2022	Second Prize	yes
13.	Antony Jose	D3 Math	antonyjosefc7@gmail.com	The Power Quiz 2022 District Level Competition Conducted by KSEB Officers Association	24th November, 2022	Selected as Pounce Champion	yes
14.	Athira P.R	D3 Math	athiraparappuram@gmail.com	Inter university Karate Championship	17-22 nd January 2022	Got Selection	
15.	Athira P.R	D3 Math	athiraparappuram@gmail.com	Inter Collegiate Karate(W) Tournament- 50 kg Kumite	12.04.23	First	yes
16.	Athira P.R	D3 Math	athiraparappuram@gmail.com	Inter Collegiate Karate(W) Tournament- Team Kumite	12.04.23	First	yes

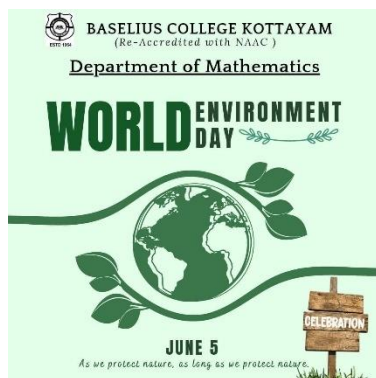
17.	Athira P.R	D3 Math	athiraparappuram@gmail.com	Inter Collegiate Karate(W) Tournament-Team KATA	12.04.23	Second	yes
18.	Anjitha A Nair	D3 Math	anjithaanair1@gmail.com	Margamkali, University Kalolsavam 2023	11-2-2023	A grade	No
19.	Agna Kurian	D2 Math	agnaminni01@gmail.com	Attended G20 meet at Kumarakam	30.03.23 & 06.04.23	Participated	yes
20.	Soumya S. Nair	M2 Data Analytics	soumyasnair131@gmail.com	Got placement at Apllexus Technologies as Data Analyst	03.05.23	Got Placement	yes

(Softcopy of certificates – See Appendix - II)

2.8 Any Other activity/point/ initiative worth mentioning

1. Day Observance - Environment Day Celebration

Brief Report



The Department of Mathematics observed the 50th World Environment Day on 5th June, 2022. As the day was on a holiday, the celebration was conducted on the next working day. Students prepared posters on this year's theme 'Only One Earth'. A poster exhibition related to the theme 'Mathematics in Nature' was also done on the day. Moreover, on the day, the faculties and the students of the department planted saplings of "Panineer Champa" at the surroundings of the department and pledged to save nature.

The programme is aimed to bring up a chance to explore the wide range of Mathematics in Nature and to know how Mathematics is related to Nature and for creating awareness about the necessity for preserving our environment.

Outcomes:

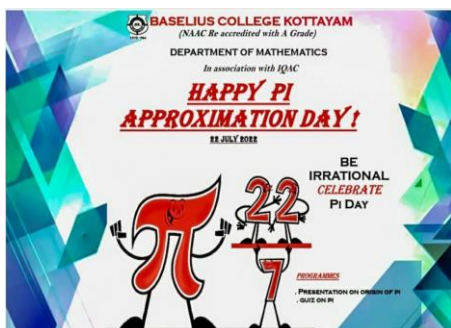
1. Students explored how Mathematics is related to Nature.
2. Got awareness on the necessity for preserving nature and environment.

Participants Details

D3 Mathematics				
Jinta Mariam Kurian	Nikhilraj O.S.	Athira P.R	Varsha T Varkey	Gopika Santhosh
Hannah P Stephen	Anjitha A Nair	Neeraj Suresh	Godson D Fernandez	Aswani Krishna
Remya R Nair	Antony Jose	Tisha Elsa Joseph	K.K Aleena	Aswani A Anil
Ashna Mary Pathrose	Sanjithh Sankar	K.N.Harshadevan	Abhijith Suresh	Ashmy Aney Jacob
Anandhakrishnan P.R	Nidhimol Dileep	Athira Sunil	Archana Manoj	Akhil Shibu
Joel P Joseph	Parvathy Jayan	Arathi Pradeep	Ajay Anil	Akshay Reji
Anjana M.S.				
D2 Mathematics				
Agna Kurian	Jayasoorya K A	Abhijith Suresh	Hridhya Shaji	Archa.S.Manohar
Ajmal K	Parvathy Krishna	Ashitha Elsa Shaiju	K Navya Krishnan	Nandana Pradeep
Amritha Mariyam Saji	Sangeetha Susan John	Cyril Mamachan	Pavithra K. E.	Sandeep Saji
Anna M Benoy	Devadeth Shaji			
M2 Data Analytics (2020-22 Batch)				
Abhijith K S	Elsa Raju	Neenu Anna Punnose	Sandra P S	Jincy Jacob
Anjana Ajikumar	Gopika A Nair	Thejas Eldhos Kurian	Susan Vinod	Sandra Georgekutty
Anoop K Jomi	Rose Shaji			
M1 Data Analytics (2021-23 Batch)				
Ancy Samuel	Grace Sabu George	Jose Sebastian	Parvathy Krishna P	Nandana M
Athira P.S	Harikrishnan N S	Lijin M Johnson	Vishnumaya R Nair	Soumya S Nair
Gireeshma T C	Jissmol Jose			



2. Observance of Pi Day - Poster Display & Quiz Competition



The Department of Mathematics observed the PI Approximation Day on 22.07.22 and celebrated it very productively. Under the guidance of the head of the department Dr. Annie Cherian and other faculties, students organized various programmes and conducted effectively on the day. Charts and posters were prepared and exhibited at the college entrance. With the combined effort of Mr. Antony Jose, Ms. Jinta Mariam Kurian, Ms. Anjitha A Nair and Ms. Tisha Elsa Joseph of D3 Mathematics, a powerpoint presentation on 'Origin and Application of PI' was made and among them Mr. Antony Jose and Ms. Tisha Elsa

Joseph articulately presented their research and findings on 'PI'. A quiz competition was also conducted followed by the presentation. Ms. Aleena K.K. and Mr. Anandhakrishnan of D3 Mathematics led the quiz competition. 4 teams of six students from D3 Mathematics participated and team 1 and team 2 secured the first

and second places respectively. The prizes were distributed to the winners by Ms. Tessymol Abraham, Assistant Professor of Mathematics. Moreover, the melodious duet by Nikhil Raj O.S and Hannah P. Stephen added to the beauty of the programme.

Outcomes:

1. Students got awareness on PI Approximation Day.
2. Students got several information regarding the real-life application of PI through presentation.
3. Students gathered information on 'PI' for the competition and it helped them to improve their knowledge on the topic. It not only promoted a healthy debate among participants but also a group harmony.

Participants Details

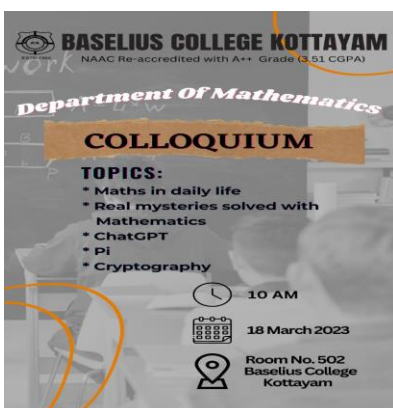
Quiz Masters: Mr. Anandhakrishnan & K.K. Aleena

Team 1	Nikhil Raj O.S	Anjitha A. Nair	Varsha T. Varkey	Aarathi Pradeep	Ashna Mary Pathrose	Anjana M.S
Team 2	Gopika Santhosh	Remya R. Nair	Ashmi Aney Jacob	Jinta Mariam K	K.N.Harshadevan	Akhil Shibu
Team 3	Tisha Elsa Joseph	Abhijith Suresh	Ajay Anil	Neeraja Suresh	Parvathy Jayan	Aswini Krishna
Team 4	Athira Sunil	Antony Jose	Hannah P. Stephen	Archana Manoj	Nidhimol Dileep	Aswini A. Anil





3. COLLOQUIUM



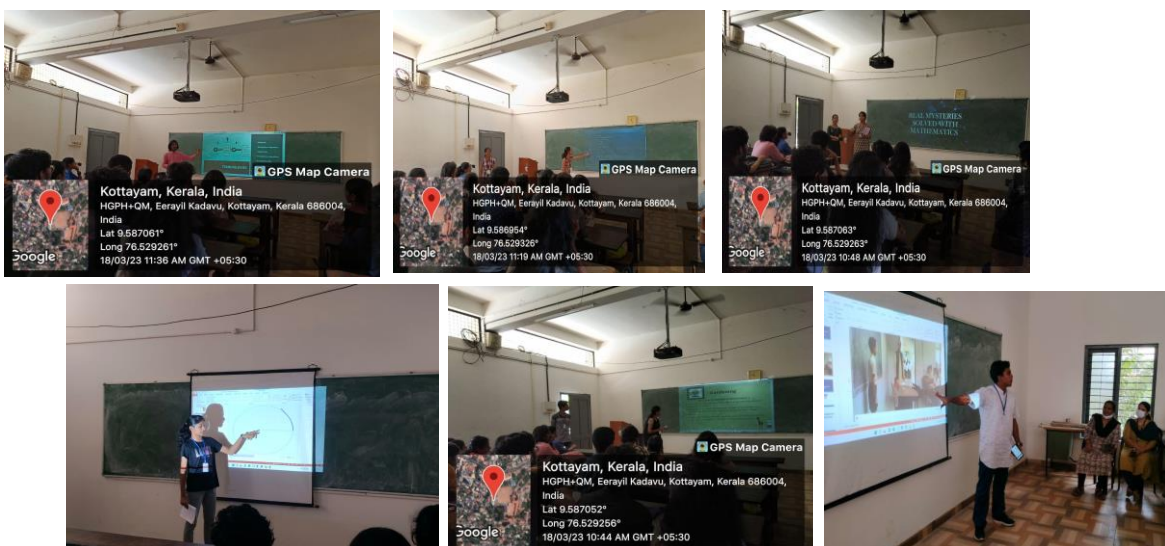
A Colloquium for Mathematical Science has been conducting since 2018. It is intended not only to provide a platform for interaction and discussions but also to keep abreast of the recent developments and trends in mathematical Science. The event was held at 8:00 pm on all Fridays except exam days. The programme was designed in such a way that one or two students present a topic in Mathematical Sciences, followed by a topic-based discussion. All teachers gave feedback after each presentation which helped students to make their presentation more effective, attractive, and informative. Around eight sessions were held this year. As these were new topics for the entire mathematics class, they were highly interested and benefited.

The first session of the colloquium of this year commenced on 21.07.22.

Mr. Antony Jose and Ms. Tisha Elsa Joseph of D3 Mathematics prepared and delivered, a powerpoint presentation on 'Origin and Application of PI'.

Ashitha Elsa Shaji & Jayasoorya of D2 Mathematics presented on the topic Indian Mathematicians and their contributions whereas Sona Anna Punnoose of M1 Data Analytics presented on Mathematics in Computer Science and Nowreen Fathima of D1 Mathematics presented on Mathematics in Science and Medical Field.

The last colloquium session of this year was held on 18th March, 2023. The sessions began by 10 am. The sessions started with the presentation by Mr. Ashwin George Joseph and Ms. Aneena Reji of D1 Mathematics on 'Mathematics in Daily Life'. Followed by the presentation on 'Real Mysteries Solved with Mathematics' by Ms. Anna M. Benoy and Ms. Navya Krishnan K. from D2 Mathematics. They shared their views on Forensic mathematics. Sessions concluded with the presentations of M1 students: Ms. Reema Mary Thomas, Ms. Reeba Elsa Thomas, Mr. Hareesh C.S., and Mr. France Antony Joseph. They shared their views on the topics 'chatgpt', 'Pi' and 'Cryptography'.



Participants Details

D3 Mathematics				
Jinta Mariam Kurian	Nikhilraj O.S.	Athira P.R	Varsha T Varkey	Gopika Santhosh
Hannah P Stephen	Anjitha A Nair	Neeraj Suresh	Godson D Fernandez	Aswani Krishna
Remya R Nair	Antony Jose	Tisha Elsa Joseph	K.K Aleena	Aswani A Anil
Ashna Mary Pathrose	Sanjithh Sankar	K.N.Harshadevan	Abhijith Suresh	Ashmy Aney Jacob
Anandhakrishnan P.R	Nidhimol Dileep	Athira Sunil	Archana Manoj	Akhil Shibu
Joel P Joseph	Parvathy Jayan	Arathi Pradeep	Ajay Anil	Akshay Reji
Anjana M.S.				
D2 Mathematics				
Agna Kurian	Jayasoorya K A	Abhijith Suresh	Hridhya Shaji	Archa.S.Manohar
Ajmal K	Parvathy Krishna	Ashitha Elsa Shaiju	K Navya Krishnan	Nandana Pradeep
Amritha Mariyam Saji	Sangeetha Susan John	Cyril Mamachan	Pavithra K. E.	Sandeep Saji
Anna M Benoy	Devadeth Shaji			
D1 Mathematics				
Aneena Reji	Anjali Krishna C.B	Archana R	Ashika S	Ashily Mariam Philip

Aswin George Joseph	Divin Haridas	Deavayani S	Krishnadev M	Muhammed Shajahan
Nandana P Salji	Niranjana S	Richu Umman	Shima Shajan	Nowreen Fathima Jaleel
M1 Data Analytics				
Ahaliya S Kumar	Athira P R	Devika Shaji	Mary Varsha .P.F	Reeba Elsa Thomas
Reema Mary Thomas	Amal Al Nisa S	Anand S	Sreelekshmi S	Akhiljith A
Hareesh C S				
M2 Data Analytics				
Ancy Samuel	Grace Sabu George	Jose Sebastian	Parvathy Krishna P	Nandana M
Athira P.S	Harikrishnan N S	Lijin M Johnson	Vishnumaya R Nair	Soumya S Nair
Gireeshma T C	Jissmol Jose			

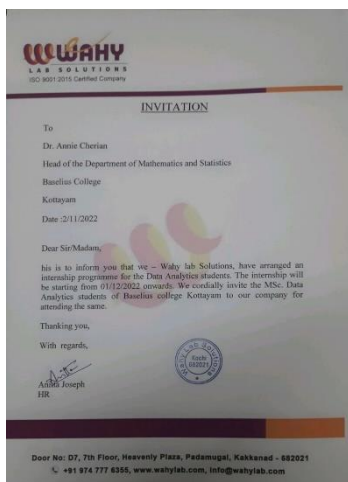
4. Internship Report: Data Science Internship at Wahy Lab Solutions

The M2 Data Analytics students embarked on a rewarding **two-month internship program** at **Wahy Lab Solutions**, a website development company situated in Kochi, Kerala from **1st December 2022 to 31st January 2023**. The internship aimed to provide a practical learning experience in data science, focusing on foundational Python knowledge and training in various machine learning and deep learning algorithms.

All the 12 students of M2 Data Analytics Completed the internship successfully.

During the internship, the interns were exposed to a comprehensive curriculum that encompassed essential aspects of data science. They received a strong grounding in Python programming, acquiring proficiency in key concepts, data structures, and libraries commonly used in data analysis and modeling. This foundational knowledge formed the basis for their subsequent exploration of machine learning algorithms.

The interns were introduced to a range of machine learning algorithms, including regression, decision tree, and random forest. Additionally, the interns were exposed to deep learning algorithms, such as Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), and Recurrent Neural Networks (RNN), gaining valuable knowledge about their architecture and training processes.



Furthermore, the internship provided the students with a valuable opportunity to engage in Exploratory Data Analysis (EDA) and model building. They learned essential techniques for visualizing and analyzing data, as well as performing data cleaning, feature engineering, and optimization.

In conclusion, the data science internship at Wahy Lab Solutions offered the M2 Data Analytics students an immersive and enriching experience. Through hands-on training in Python programming, machine learning algorithms, deep learning techniques, and practical applications in EDA and model building, the interns acquired valuable skills that will contribute to their future careers in the field of data analytics.

Participants List

M2 Data Analytics (2021-23 Batch)				
Ancy Samuel	Grace Sabu George	Jose Sebastian	Parvathy Krishna P	Nandana M
Athira P.S	Harikrishnan N S	Lijin M Johnson	Vishnumaya R Nair	Soumya S Nair
Gireeshma T C	Jissmol Jose			

5. Tour

1. The annual tour for final year B.Sc students of the Department of Mathematics was from 25th to 27th January 2023 to *Coorg and Chikmagalur*. It was a package tour by Thirukudumbom Travels. An amount of 4700 was collected from each student for the tour. A total of 30 students of 20 girls and 10 boys were accompanied by 2 teaching staffs; Mrs. Jaimy Sarah Jacob and Ms. Akhila M.M and a non-teaching staff, Ansu.

The three day trip started by 6.00 p.m. on 25th January 2023 from the college campus and reached Chikmagalur by 6 am on 26th January.

After having breakfast, all went sightseeing. The next place visited was *Golden Temple* in Coorg. It was a Buddhist temple and three Golden idols of Buddha were seen inside the temple. A Buddhist monastery was also situated nearby. The inside and outside of the temple were so calm so as to maintain the spiritual ambience. It was a first experience for most of the students to view the Buddhist Temple and Monastery and moreover the monks. After having lunch, all set out to the *Bamboo Forest*. As its name suggests, it was a forest of Bamboo. Watching and feeding the fishes underneath the bridge and elephant riding were very exciting for the students. The tree hut, the flowing streams through rocks etc. were pretty fascinating. Moreover, shopping was also done by the students. The river rafting after that was really thrilling as students got the opportunity to row boats and swim in the river by themselves.

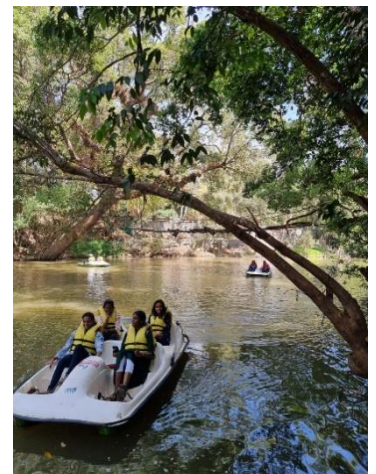
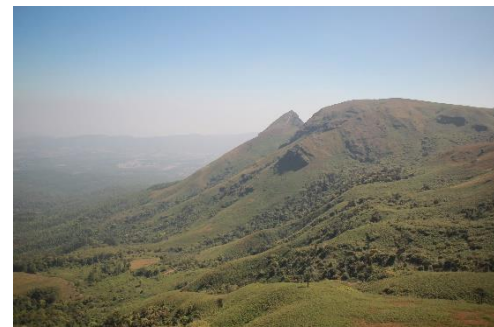
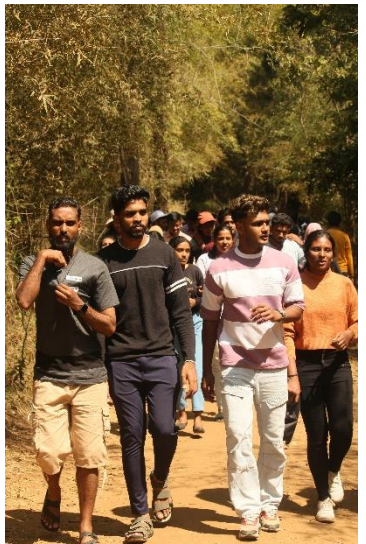
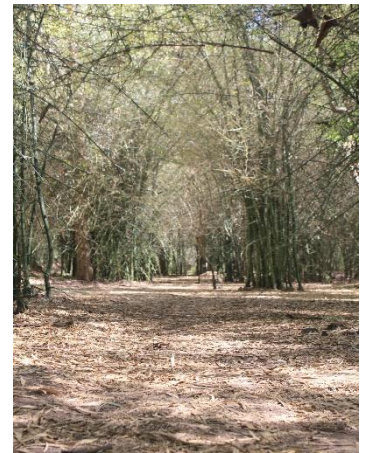
All reached Coorg on 27th January 2023 and were able to experience the jeep trekking adventure. After having refreshments from there by 3 pm, the journey set off back to College. Also, all had their dinner on the way back home.

The bus reached college on the next day (28th January 2023) at 6.00 am.

It was an unforgettable event because of the wholehearted participation of all students. The students showed keen interest in knowing much more about the visited places. They also showed their various talents in the bus journey. The students were found to be friendlier and more attached after the tour. The tour was so memorable with sweet and wonderful moments.

Participant's List

D3 Mathematics				
Jinta Mariam Kurian	Nikhilraj O.S.	Athira P.R	Varsha T Varkey	Gopika Santhosh
Hannah P Stephen	Anjitha A Nair	Neeraj Suresh	Godson D Fernandez	Aswani Krishna
Remya R Nair	Antony Jose	Tisha Elsa Joseph	K.K Aleena	Aswani A Anil
Ashna Mary Pathrose	Sanjithh Sankar	K.N.Harshadevan	Abhijith Suresh	Ashmy Aney Jacob
Anandhakrishnan P.R	Nidhimol Dileep	Athira Sunil	Archana Manoj	Akhil Shibu
Joel P Joseph	Parvathy Jayan	Arathi Pradeep	Ajay Anil	Akshay Reji
Anjana M.S.				



2. The tour for final year M.Sc students of the Department of Mathematics was from 23rd to 24th February 2023 to Marayoor and Munnar. It was a package tour by Diya Holidays. An amount of 3900 was collected from each student for the tour. A total of 12 students of 9 girls and 3 boys were accompanied by 3 teaching staffs; Ms. Jinta Tom, Ms. Ross Cyriac and Mr. Nibu B Thomas.

The two day trip started by 12.00am on 23rd February 2023 from the college campus to Marayoor, a beautiful town known for its sandalwood forests, honey rock, and scenic waterfalls. The first stop was at the Marayoor Sandalwood Forest then Irachilpara Falls and later a local strawberry farm. Later in the day, the students visited Kantallur Viewpoint and as the day progressed, a nearby sugar plant as well. In the evening, the students embarked on a thrilling jeep off-roading adventure, exploring the rugged terrains and offbeat paths of Marayoor. Afterward, all settled around a campfire under the starry sky, sharing stories and enjoying a delightful evening with live music and traditional food.

On the second day, they made their way to Munnar, a popular hill station known for its scenic beauty and tea plantations. The first stop was the Glass Garden, next, a Photo Point, a picturesque spot surrounded by tea gardens and rolling hills. Afterward, all headed to Eco Point and later to Mattupetty Dam and Kundala Dam. Lastly on the day, all visited Top Station, the highest point in Munnar. In the evening, all enjoyed a lively DJ night in Munnar, dancing to peppy tunes and letting their hair down.

Overall, the 2-day tour of Marayoor and Munnar was quite delightful. From exploring sandalwood forests and waterfalls to enjoying jeep offroading and campfire nights, the trip offered a perfect blend of adventure and relaxation. The picturesque landscapes, delicious treats, and vibrant cultural experiences made it an unforgettable journey. All returned home with beautiful memories and a desire to explore more of Kerala's natural wonders.

Participants List

M2 Data Analytics (2021-23 Batch)				
Ancy Samuel	Grace Sabu George	Jose Sebastian	Parvathy Krishna P	Nandana M
Athira P.S	Harikrishnan N S	Lijin M Johnson	Vishnumaya R Nair	Soumya S Nair
Gireeshma T C	Jissmol Jose			



Jaimy Sarah Jacob

Teacher-in-charge of the Association

Appendix - I Minutes of Committee Meeting

Appendix - I Minutes of Committee Meeting

Committee Meeting - 1

DATE – 3 -June 2022

TIME – 3.30 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Agna Kurian – D2 Math
7. Sandeep s Nair– D2 Math
8. Nandhana M -M2 Data Analytics
9. Lijin M Jhonson M2 Data Analytics

AGENDA – Environment Day Celebration

- To fix a suitable date for celebration .

Meeting started with a silent prayer. Teacher in charge of association, Jaimy Sarah Jacob offered words of welcome.

After discussion the following decisions were taken:

- Date to conduct the programme - 6th June 2022
- Time to conduct the programme – 4pm

Association secretary Anandhakrisnan P R expressed words of gratitude.Meeting ended at 4 pm.



Secretary-Anandhakrishnan P R



Teacher-in-charge-Jaimy Sarah Jacob

Committee Meeting – 2

DATE - 17 June 2022

TIME -3 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Agna Kurian- D2 Math
7. Sandeep S Nair- D2 Math
8. Nandana M-M2 Data Analytics
9. Lijin M Jhonson M2 Data Analytics

AGENDA – Workshop on Artificial Intelligence

1. To fix a suitable date for conducting the workshop and invite the resource person for the same.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Jaimy Sarah Jacob offered words of welcome.

After discussion the following decisions were taken:

- Date to conduct the programme – 22nd June-24th August 2022
- Time to conduct the programme – 10 am – 4 pm
- Venue – Data Analytics Lab
- To invite Ms. Alphy Mathew, IT Professional, as the resource person.
- The topics – **Artificial Intelligence**
- To assign duties to students as follows
 - Brochure designing – Akhil Shibu
 - Compering – Tisha Elsa Joseph
 - Prayer song – Jinta Maria Kurian
 - Vote of Thanks -Lijin M Jhonson

Association joint-secretary K K Aleena expressed words of gratitude.

Meeting ended at 4 pm.



Secretary-
Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting – 3

DATE – 25 June 2022

TIME – 2.30 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan PR (Association secretary)
5. K K Aleena D3 Maths
6. Tisha Elsa Joseph D3 Maths
7. Agna Kurian D2 Maths
8. Sandeep S Nair D2 Maths
9. Lijin M Jhonson M2 Data Analytics
10. Nandhana M M2 Data Analytics

AGENDA – Observance of National Statistics Day and Digital poster competition

To fix a suitable date for celebration and the inter - department digital poster competition for the same.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Jaimy sarah Jacob offered words of welcome.

After discussion the following decisions were taken;

- Date to conduct the programme – 29th June 2022
- Time for digital poster competition – 27th June – 29th June 2022
- Topic for poster competition – **Connecting The World With Data**
- Conventor – Ms. Jinta Tom
- To assign duties to student as follow;

Broacher – Tisha Elsa Josaph

Association secretary Anandhakrishnan P R expressed words of gratitude.

Meeting ended at 3pm.



Secretary-
Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting - 4

DATE – 18 July 2022

TIME – 3 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association secretary)
5. K K Aleena D3 Maths
6. Jinta Mariam Kurian D3 Maths
7. Akhil Shibu D3 Maths
8. Sandeep S Nair – D2 Maths
9. Agna Kurian – D2 Maths
10. Nandhana M M2 Data Analytics
11. Lijin M Jhonson M2 Data Analytics

AGENDA - Observation Of Pi Day - Poster Display And Quiz Competition

To fix a suitable date for conducting the celebration, presentation, and quiz competition for the same.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Jaimy Sarah Jacob offered words of welcome.

After discussion the following decisions were taken;

- Date to conduct the programme – 22nd July 2022
- Mode of conduct – Offline
- Time to conduct – 10 am
- To assign duties to students

Broacher – Akhil Shibu

Prayer Song – Hannah P Stephan


Compering – Jinta Mariam Kurian

Quiz Masters – K K Aleena & Anandhakrishnan

Vote of thanks – Antony Jose

Jinta Mariam Kurian From D3Maths expressed vote of thanks. The meeting ended at 4 pm.


Secretary
Anandhakrishnan P R


Teacher-in-charge Jaimy Sarah Jacob

Committee Meeting – 5

DATE – 20 July 2022

TIME – 2 pm

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (association secretary)
5. K K Aleena D3 Maths
6. Tisha Elsa Joseph D3 Maths
7. Agna Kurian D2 Maths
8. Sandeep S Nair D2 Maths
9. Nandhana M M2 Data Analytics
10. Lijin M Jhonson M2 Data Analytics

AGENDA – Prof. M.J Thomas Memorial Inter – Collegiate Quiz Competition

To fix a suitable date for conducting the Inter Collegiate Quiz Competition and invite the Quiz master for the same.

Meeting started with a prayer. Teacher in charge of association, Ms Jaimy Sarah Jacob offered words of welcome.

After discussion the following decision were taken.

- Date to conduct the programme – 12th August 2022
- Mode of conduct – Offline
- Quiz Master – Mr. Liju Alex, the assistant professor in Mathematics of BCM College

The Association's joint secretary K K Aleena expressed a vote of thanks.



Secretary-Anandhakrishnan P R S



Teacher-in-charge-Jaimy Sarah Jacob

Committee Meeting - 6

DATE – 01 August 2022

TIME – 2 pm

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (association secretary)
5. K K Aleena D3 Maths
6. Tisha Elsa Joseph D3 Maths
7. Sandeep S Nair D2Maths
8. Agna Kurian D2 Maths
9. Nandhana M M2 Data Analytics
10. Lijin M Jhonson M2 Data Analytics

AGENDA – Prof. M.J Thomas Memorial Inter – Collegiate Quiz Competition

To fix suitable time for starting the quiz competition , inviting colleges and about preparing certificates for the same.

Meeting started with a prayer. Teacher in charge of association, Ms Jaimy Sarah Jacob offered words of welcome.

After discussion the following decision were taken.

- Time for the competition – 10 am
- Venue – Education Technology Seminar Hall
- Brochure – Tisha Elsa Jacob

The Association's secretary, Mr.Anandhakrishnan P R, expressed a vote of thanks. The meeting ended at 2.30 .pm.



Secretary-
Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting – 7

DATE – 14 October 2022

TIME – 2 pm

MODE OF CONDUCT – offline ne

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (association secretary)
5. K K Aleena D3 Maths
6. Jinta Mariam Kurian D3 Maths
7. Tisha Elsa Joseph D3 Maths
8. Sandeep S Nair D2Maths
9. Agna Kurian D2 Maths
10. Lijin M Jhonson M2 Data Analytics
11. Nandhana M M2 Data analytics

AGENDA – Orientation Programme for First years

To fix suitable day for the orientation programme and invite the Resource person for the same.

Meeting started with a prayer. Teacher in charge of association, Ms Jaimy Sarah Jacob offered words of welcome.

After discussion the following decision were taken.

- Date for the programme – 18th October 2022
- Resource person – Ajith P C, Master trainer, ASAP
- Time for the ptogramme – 9.30 am to 4.30 pm
- Venue – seminar hall mathematics block

The Association's join secretary K K Aleena expressed a vote of thanks.



Secretary-
Anandhakrishnan P R

Teacher-in-charge-
Jaimy Sarah Jacob



Committee Meeting - 8

DATE — 28 October 2022

TIME-3.00 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan PR (Association Secretary)
5. K K Aleena D3 Maths
6. Jinta Mariam Kurian D3 Math
7. Akhil Shibu - D3 math
8. Agna Kurian- D2 Math
9. Lijin M Jhonson M2 Data Analytics
10. Nandhana M M2 Data analytics
11. France Antony Joseph M1 Data analytics
12. Reema Mary Thomas M1 Data analytics

AGENDA – Mathematics Association Inauguration &Orientation programme

To fix a suitable date for conducting the Association Inauguration day, Orientation programme, invite the resource person for the same.

..Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome.

After discussion the following decisions were taken:

- Date to conduct the programme - 1st November 2022
- Mode of Conduct -Offline
- Recourse Person - Dr .Mary Matilda, Life skill trainer, Former principle of Maharajas college Ernakulam
- Time to conduct the programme – 10 am

The Association's secretary, Anandhakrishnan PR, expressed a vote of thanks. The meeting ended at 4 .pm.



Secretary-
Anandhakrishnan PR

Teacher-in-charge-
Jaimy Sarah Jacob



Committee Meeting - 9

DATE – 12 November 2022

TIME - 3.30pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandhana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA – Lecture series

To fix a suitable date for conducting the third lecture of the lecture series “one to infinity “ and invite the resource person for the same.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome.

After discussion the following decisions were taken:

- Date to conduct the programme - 16th November 2022
- Time to conduct the programme – 2 pm
- Mode of Conduct- Offline
- Resource person – Mr.Siju K S, Associate professor S GITs College of Engineering Kottayam.
- The topic – **Need and significance of computational Mathematics**

Association's secretary, Mr. Anandhakrishnan P R, expressed a vote of thanks. The meeting ended at 4.30 pm.



Secretary-
Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting 10

DATE – 20 November 2022

TIME - 3.30pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cherian (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandhana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA – Fibonacci day & Fresher's day

to fix suitable day for conducting Fibonacci day, presentation and Fresher's day for the same.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome. After discussion the following decisions were taken:

- Date for Fibonacci day – 23 November 2022
- Date for fresher's day - 24 November 2022
- Time for fresher's day – 1.30 pm
- Venue for presentation – room no. 502
- Venue for fresher's day – Seminar hall

Association's secretary, Mr. Anandhakrishnan P R, expressed a vote of thanks. The meeting ended at 4.0 pm.



Secretary- Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting 11

DATE – 19 December 2022

TIME - 2 pm

MODE OF CONDUCT - Offline

MEMBERS PRESENT

1. Dr. Annie Cheriyan (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA - National Mathematical day & Colloquium

To fix a suitable date for Colloquium And National Mathematical Day Celebratio.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome.

After discussion the following decisions were taken:

- Date of conduction of programmes – 22nd December 2022
- Venue – Room no.502
- Time – 2 pm

Association's secretary, Mr. Anandhakrishnan P R, expressed a vote of thanks. The meeting ended at 4.0 pm.



Secretary- Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting 12

DATE – 13 February 2023

TIME – 2.30 PM

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cheriyan (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA - Seminar

To fix a suitable date for a seminar on Financial Literacy and social security in collaboration with Kerala Gramin Bank.

Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome.

After discussion the following decisions were taken:

- Date of conduction of seminar – 16 February 2023
- Time – 3pm to 4 pm

Association's secretary, Mr. Anandhakrishnan P R, expressed a vote of thanks. The meeting ended at 4.0 pm.



Secretary- Anandhakrishnan P R

Teacher-in-charge- Jaimy Sarah Jacob



Committee Meeting 13

DATE – 23 February 2023

TIME – 2 PM

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cheriyan (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA – National Inter – Collegiate Project Presentation Competition

To fix a suitable date for conducting the Inter Collegiate project presentation Competition and invite the judges for the same.

Meeting started with a prayer. Teacher in charge of association, Ms Jaimy Sarah Jacob offered words of welcome.

After discussion the following decision were taken.

- Date of conduction – 10 march 2023
- Platform – Google Meet
- Judges – Mrs. Julia T Thomas, Senior Research Fellow NIT Calicut and Ms. Megha Rose Manoj , Research Scholar, SB College Chenghanacherry

The Association's join secretary K K Aleena expressed a vote of thanks.



Secretary- Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting 14

DATE 2 March 2023

TIME – 2 pm

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cheriyan (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA – National Inter – Collegiate Project Presentation Competition

To fix a suitable time for conducting the Inter Collegiate Project Presentation Competition and invite the colleges for the same.
Meeting started with a prayer. Teacher in charge of association, Ms Jaimy Sarah Jacob offered words of welcome.

After discussion the following decision were taken.

- Time for conduction – 10 am
- Broacher – Tisha Elsa Jacob

The Association's joint secretary K K Aleena expressed a vote of thanks.



Secretary- Anandhakrishnan P R



Teacher-in-charge- Jaimy Sarah Jacob

Committee Meeting 15

DATE – 14 March 2023

TIME -3PM

MODE OF CONDUCT – Offline

MEMBERS PRESENT

1. Dr. Annie Cheriyan (HOD)
2. Ms. Jaimy Sarah Jacob (Teacher-in-charge of Association)
3. Ms. Tessymol Abraham
4. Anandhakrishnan P R (Association Secretary)
5. K K Aleena - D3 Math
6. Akhil Shibu – D3 Math
7. Tisha Elsa Joseph – D3 Math
8. Jinta Mariam Kurian -D3 Math
9. Agna Kurian - D2 Math
10. K Navya Krishnan -D2 Math
11. Nandana M -M2 Data Analytics
12. Lijin M Jhonson M2 Data Analytics
13. France Antony Joseph M1 Data analytics
14. Reema Mary Thomas M1 Data analytics

AGENDA - COLLOQUIM

To fix a suitable date for Colloquim

Meeting started with a silent prayer. Teacher in charge of association, Ms. Tessymol Abraham offered words of welcome.

After discussion the following decisions were taken;

- Date of programme – 18 march 2023
- Time – 10 am
- Topic – Maths in daily life
 - Real mysteries solved with Mathematics
 - Chat GPT
 - Pi
 - Cryptography

The Association's joint secretary K K Aleena expressed a vote of thanks.



Secretary- Anandhakrishnan P R



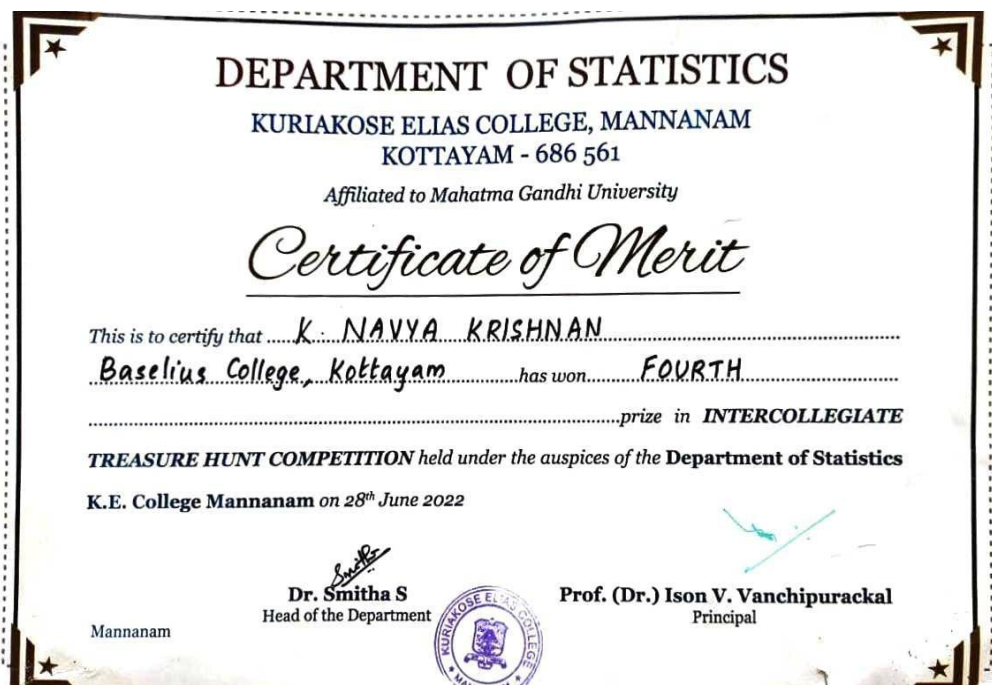
Teacher-in-charge- Jaimy Sarah Jacob

Appendix – II
Student's Achievement

1. Godson D. Fernandez



2. K. Navya Krishnan



3. Akhil Shibu



4. Soumya S. Nair



5.

Gopika A



July 20th, 2022

Name: Gopika A
Designation: Data Science Mentor

OFFER LETTER

Dear Gopika,
Congratulations! On behalf of ETG CAREER LABS PRIVATE LIMITED, we are delighted to offer you the Role Designation of "Data Science Mentor". further, your reporting will be in the Bangalore, India office. Your joining date will be on or before July 21st, 2022.

Your gross total annual remuneration will vary in Provisional and Full-time roles. During the Provisional role, Rs 25,000/month will be the remuneration and for the full-time role, the remuneration will be decided at the end of the 1-month duration. The working days will be 6 days a week.

On your joining, your employment would be subject to the Terms & Conditions, mentioned in your appointment letter, which will be issued to you on your joining the company.

Please bring along the below-listed documents/details on your day of joining.

- Pan card & Aadhar Card (Mandatory)
- Original Academic Certificates (all from 10th to Highest)
- Relieving letter from the previous employer (Original)
- Proof of compensation last drawn (3 Months - Original)
- Six passport-size photographs (recent)
- Address proof (Bank Statement & Passport)

We request you to return/reply with the signed copy of the offer letter and all above-listed documents within 3 days of the date of this offer letter.

Welcome to ETG CAREER LABS PRIVATE LIMITED. We wish you a long, rewarding, and fulfilling career and look forward to your joining us.

For ETG CAREER LABS PRIVATE LIMITED

Yours sincerely,
Umang Surana
Co-founder & COO
ETG CAREER LABS PRIVATE LIMITED



Date: 29/09/2022

Provisional Offer Letter

Dear ABHIJITH K S,

This is with reference to your application and subsequent interviews at Indian Political Action Committee. We are pleased to offer you a role of Core Team Member.

Designation: **Analyst**

Place of Reporting: **Hyderabad**. Your depute location will be as per project requirement.

Cost To Company(CTC): **7,18,910 (5,53,008 + 1,65,902)**

The compensation structure consists of two components i.e.

A. Fixed Component

B. Variable Component

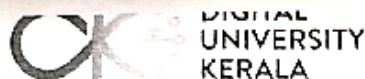
We at I-PAC believe in rewarding those who go above and beyond and contribute through their remarkable performance to the organization's success. The variable payout will reflect this and will directly depend upon an individual's performance during that year. The variable component will be disbursed at the time of the annual appraisals.

A detailed breakup of your compensation is attached below in two annexures:

You are requested to choose amongst one of the two compensation models mentioned for which details are appended below. The total Cost to Company [CTC] will remain the same in either case.

Annexure I. RFA Model: Under this compensation structure, the employee avails the benefit of a Rent- Free Accommodation (RFA) provided by the organization in lieu of which his/her monthly RFA amount gets adjusted against the provided accommodation.

Annexure II. HRA Model: Under this compensation structure, the employee avails House Rent Allowance (HRA) since he/she does not take the accommodation provided by the organization.



Curating a responsible digital world

Innovation and Technology (Digital University)
Technocity Campus, Mangalapuram, Thonnakkal PO,
Thiruvananthapuram, Kerala - 595 317

Email: info@duk.ac.in
www.duk.ac.in

No. KUDSIT/559/SDS I/2022

Technocity, Dated: 18.10.2022

Smt. Jincy Jacob
Kalapurackal,
Amara P.O.,
Madappally Pin: 686546

Dear Smt. Jincy Jacob

Sub: KUDSIT - Appointment of Research Assistant(Data Analytics/ Machine Learning)(on contract) for the School of Digital Sciences of this University-reg.
Ref: Your application for the post and the interview held on 29.09.2022

Greetings from the Digital University- Kerala.

We are pleased to appoint you as Research Assistant(Data Analytics/ Machine Learning)(on contract) for the School of Digital Sciences of this University on contract basis for a period of one year on a consolidated remuneration of Rs. 25,000/-(Rupees Twenty Five Thousand only)per month with the following terms and conditions.

Terms & Conditions

1. This appointment is purely provisional subject to verification of original testimonials to prove your Age, Qualification, Experience etc. at the time of reporting for duty and shall not render any preferential claim for regularization/extension of the tenure etc.
2. You are required to execute an Employment Agreement in the prescribed format.
3. The appointment shall be governed by the relevant provisions and the terms & conditions of service rules so far as in force in the University.
4. The University will function five days a week from Monday to Friday and the office hours shall be from 09.00 am to 5.30 pm. However, you may be required to work beyond the stipulated office hours in exigency.
5. You should produce Original Certificates to prove your Date of Birth, Qualification, Experience etc. at the time reporting of your duty along with two recently taken photographs, proof of identity, a stamp paper of the value of Rs. 200/- and original PAN card.
6. The University reserves the right to terminate the assignment without notice in the event of misconduct on your part. In case you decide to leave the University before the expiry of the period of contract, you are required to give one-month notice in advance, or forgo an amount equivalent to one-month salary in lieu thereof.
7. You will report for duty within 10 days from the date of receipt of this appointment order, failing which this appointment will stand cancelled and the vacancy shall be filled up otherwise.

Best Wishes

Registrar

Antony Jose



Sandeep Saji



10.

Athira P. R



11.

Athira P. R



12. Shima Shajan



13. Antony Jose



14. Athira P.R-Nil

15. Athira P.R



16.

Athira P.R



17.

Athira P.R



18. Anjitha A Nair-Nil

19. Agna Kurian



20. Soumya S. Nair



EMPLOYMENT OFFER & ACCEPTANCE LETTER

Dear Soumya,

We are pleased to inform you that after careful consideration, Applexus Technologies (P) Ltd has decided to make you this offer of employment as Trainee Consultant. You are eligible for compensations calculated as Cost to Company of Rs. 4,20,000 /- (Rupees Four lakhs twenty thousand only) per annum subject to statutory deductions. Your base work location would be Chennai, India.

This letter sets forth the terms of the offer which, if you accept, will govern your employment.

The details of this offer are outlined in our formal appointment letter which will be put together based upon your acceptance. Please indicate your acceptance by signing in the space provided. This offer is valid till 29th April 2023 and you will have to join Applexus on 03rd May 2023.

I accept this offer of employment with the Company and agree to the terms and conditions outlined in this Agreement.

By:

Name:

Date:

* This document and any files attached hereto are confidential and intended for the sole use of the individual or entity to which they are addressed. You are hereby notified that any unauthorized disclosure, dissemination, distribution, copying or the taking of any action in reliance on the information herein is strictly prohibited. If you are not the intended recipient, please contact the sender and delete all copies

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DOC/TA/Compensation Annexure/EXP/001

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