



# Korambayil Ahamed Haji Memorial UNITY WOMEN'S COLLEGE, MANJERI

Affiliated to the University of Calicut Reaccredited by NAAC at B++  
Grade Narukara PO, Manjeri, Malappuram, Kerala, India

## DEPARTMENT OF MATHEMATICS

### Report of Activities of the Year 2021-22

#### Faculty Members:

SI No.	Name	Designation
1	Abdul Rof V	Assistant Professor & Head
2	Ashitha PA	Assistant Professor
3	Dr. Bajeel PN	Assistant Professor
4	Fathima Thenci	Assistant Professor on contract (Statistics)
5	Hafeefa O	Assistant Professor on contract(Mathematics)

#### 1. Workshop on Basic Logic and Number Theory:

Department organized a 3-day inter-collegiate on Basic Logic and Number Theory for weaker students of BSc Mathematics to prepare them for University Examinations. Fathima Parveen, Swathi VV (Research Scholars, NIT Calicut) and KKM Hussain (HSST, Govt. Higher Secondary School, Cheruvanchery) were the resource persons. 50 students from various colleges attended the workshop.

## Department Of Mathematics

KAHM UNITY WOMEN'S COLLEGE MANJERI

Supported By

Math Lab Calicut

Cordially invite you for a 3-day workshop on

## "NUMBER THEORY"

(Based on Calicut University 1st Semester Degree Syllabus)



Fathima Parveen FA  
Research scholar  
National Institute of  
Technology Calicut



Sureshi V V  
Research scholar  
National Institute of  
Technology Calicut



KGM Hussain  
HSST Junior Mathematics  
PGM Govt HSS  
Cheruvandi

### Registration Fee

- UG Students(1st & 2nd year)=200/-
- UG Students (3rd Year)=350/-
- UG completed/PG students=500/-

## 2. Experiential Learning Workshop on Differential and Integral Calculus:

Department organized a 2-day experiential learning workshop to illustrate the applications of derivatives and integrals. Mr. Sirajudheen MP (Head, Department of Mathematics, Sir Syed College, Talipparamba) and Nizamudheen V (Research Scholar, Farook College, Kozhikkode) were the resource persons. About 80 students from various colleges attended the workshop



## Department Of Mathematics

KAHM UNITY WOMEN'S COLLEGE MANJERI

Cordially Invite you for a 2-day experiential workshop on

## Differential and Integral Calculus

Based on Calicut University First Semester Complimentary Course



Abdul Rof V  
Head, Department of  
Mathematics  
KAHM UWC  
Manjeri



Sirajudheen MP  
Head, Department of  
Mathematics  
Sir Syed College  
Taliparamba



Nizamudheen V  
Research Scholar,  
Department of  
Mathematics  
Farook College

Date: 04/12/2021  
05/12/2021

Time:-9.30 am to 3.30 pm  
Venue:- Unity Women's  
College Manjeri

Registration Fee:- Rs 100/-



### 3. Orientation Programme on Career Based Government Competitive Exams

An orientation programme was conducted for BSc Mathematics students based on Kerala PSC, SSC and UPSC examinations on 03/12/2022, to motivate them for govt jobs. Dr. Haris PG, Department of Physics, Sir Syed College Talipparamba was the resource person.



The image shows a poster for an orientation programme and a photograph of the event. The poster is for a programme on Friday, December 3, at 2:00 PM, titled "ORIENTATION PROGRAM CAREER BASED GOVERNMENT COMPETITIVE EXAMS". It is an IQAC initiative and lists five points: 1. Awareness on subject wise analysis, 2. Awareness on study materials, 3. Awareness on exam pattern, 4. Aspirants success stories, 5. Importants of government jobs. The registration fee is 10/- for Bsc Mathematics students and 30/- for other degree students. The venue is RB 01. The photograph shows Dr. Haris PG, Assistant Professor, Department of Physics, Sir Syed College Taliparambu, speaking at a podium. Other people are seated in the background. A Google Maps overlay shows the location in Manjeri, Kerala, India, with coordinates 439P+6WX, Pattarkulam, Manjeri, Kerala 676517, India, Lat 11.117798°, Long 76.08687°, and a timestamp of 03/12/21 02:20 PM.

Friday, December 3  
2:00 PM

ORIENTATION PROGRAM  
CAREER BASED  
GOVERNMENT  
COMPETITIVE EXAMS

In association with :  
Career Guidance Cell of  
KAHM Unity Women's  
College

1. Awareness on subject wise analysis.  
2. Awareness on study materials.  
3. Awareness on exam pattern.  
4. Aspirants success stories.  
5. Importants of government jobs.

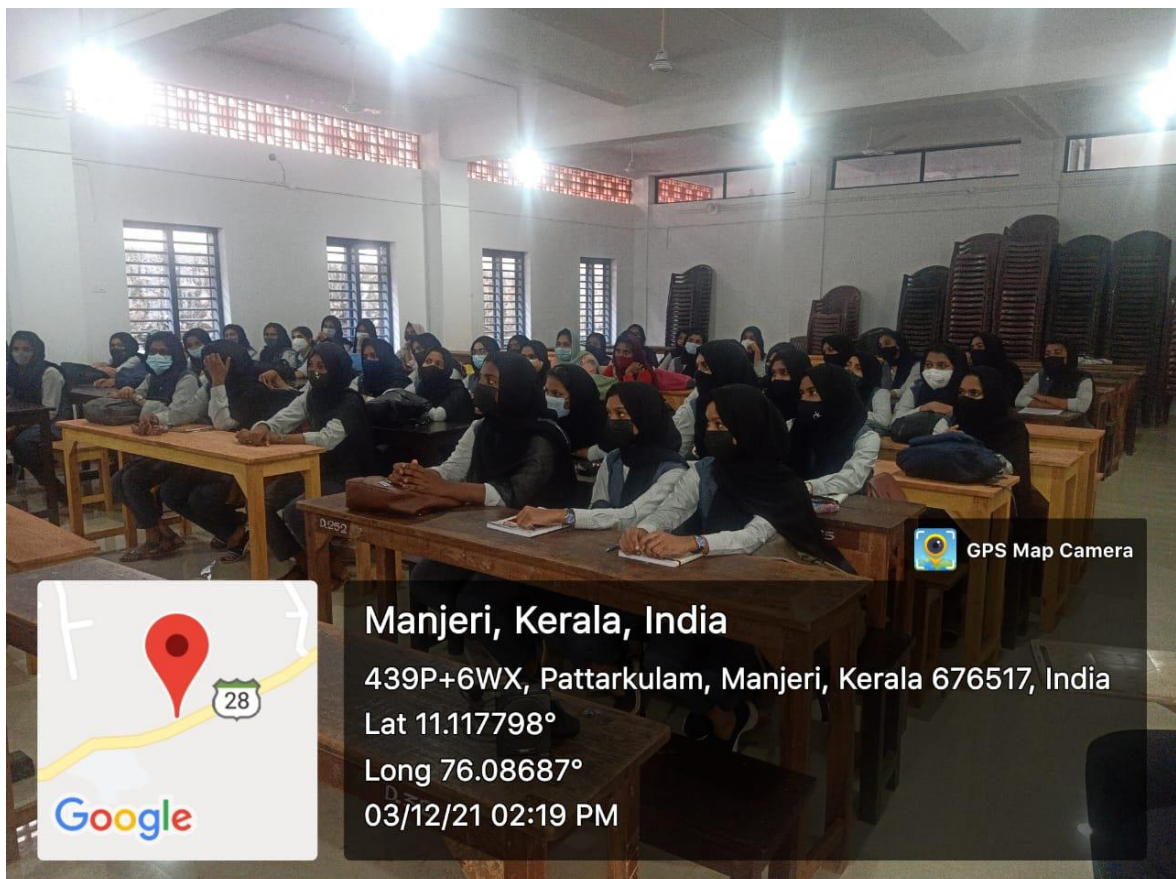
An IQAC initiative  
Registration starts at 1:30pm  
Venue : RB 01

Department of  
Mathematics

Dr. HARIS P G  
Assistant Professor,  
Department of Physics  
Sir Syed College  
Taliparambu  
[Ex. Village Extension Officer,  
Government of Kerala]

Registration fee:  
Bsc Mathematics  
students = 10/-  
Other degree  
students = 30/-

Manjeri, Kerala, India  
439P+6WX, Pattarkulam, Manjeri, Kerala 676517, India  
Lat 11.117798°  
Long 76.08687°  
03/12/21 02:20 PM



The image shows a large classroom filled with students, mostly women wearing hijabs, seated at long wooden desks. They are attending the orientation programme. A Google Maps overlay shows the location in Manjeri, Kerala, India, with coordinates 439P+6WX, Pattarkulam, Manjeri, Kerala 676517, India, Lat 11.117798°, Long 76.08687°, and a timestamp of 03/12/21 02:19 PM.

Manjeri, Kerala, India  
439P+6WX, Pattarkulam, Manjeri, Kerala 676517, India  
Lat 11.117798°  
Long 76.08687°  
03/12/21 02:19 PM

### 4. One-week National Mathematics Day Celebration

Department organized one-week long celebration in connection with National Mathematics Day 2021.

**i) Explore Mathematical Science**



**KAHM UNITY WOMEN'S COLLEGE, MANJERI**  
**EXPLORE MATHEMATICAL SCIENCE**

**Chief Guest**  
**PRAJESH T**  
Scientists C  
Leo and Interplanetary Orbit Dynamic Section  
Dynamics Division  
Flight Dynamics Group  
U R Rao Satellite Centre  
Bangalore

Dec 20, 2021 | 10.30am to 3.30pm  
Department of Mathematics

10.30 - 11.30 : How to set the path for sending an object to the moon  
11.30 - 12.30 : Life before and after joining ISRO  
12.30 - 1 : Interactive session  
1.30 - 2.30 : Interaction session with Bsc Mathematics students  
2.30 - 3 : Interaction session with Model Residential School Higher Secondary Students, Attapady (Collaborative session with Integrated Tribal Development Project)  
3 - 3.30 : Interaction session with High School Students (Collaborative Session)

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Pulpatta, Kerala, India  
Pulpatta-Unity Rd, Pulpatta, Kerala 676517, India  
Lat 11.130436°  
Long 76.083224°  
20/12/21 12:29 PM

**ii) Audio recording competition:**

A competition was held among the students to narrate the biography of the legendary mathematician Srinivasa Ramanujan and the topper was given the chance to present the same in the Yuvavani Programme of All India Radio Manjeri FM.



Congratulations  
**fathima fitha T**

19/12/2021 ഞായർ  
രാവിലെ 11  
മണിക്കുള്ള  
ആകാശവാണി  
മഞ്ചേരി FM  
യുവവാണിയിൽ  
യൂണിറ്റി വിമൻസ്  
കോളേജ് ഒന്നാം  
വർഷ ഗണിത  
ശാസ്ത്ര  
വിദ്യാർത്ഥിനി  
\*ഫാത്തിമ ഫിദ കി\*  
ഗണിത ശാസ്ത്ര  
ദിന സന്ദേശം  
നൽകുന്നു.

**iii) Honouring ceremony of retired Mathematics Teachers:**

Department honoured Prof. K.M. Jamaludhin(Retired Head, Department of Mathematics, DGMMES Mampad College) and Dr. V. Rajendran( Retired

Head, Department of Mathematics, PSMO College, Tirurangadi) on 22<sup>nd</sup> December 2021.

**iv) Torus Math Exhibition:**



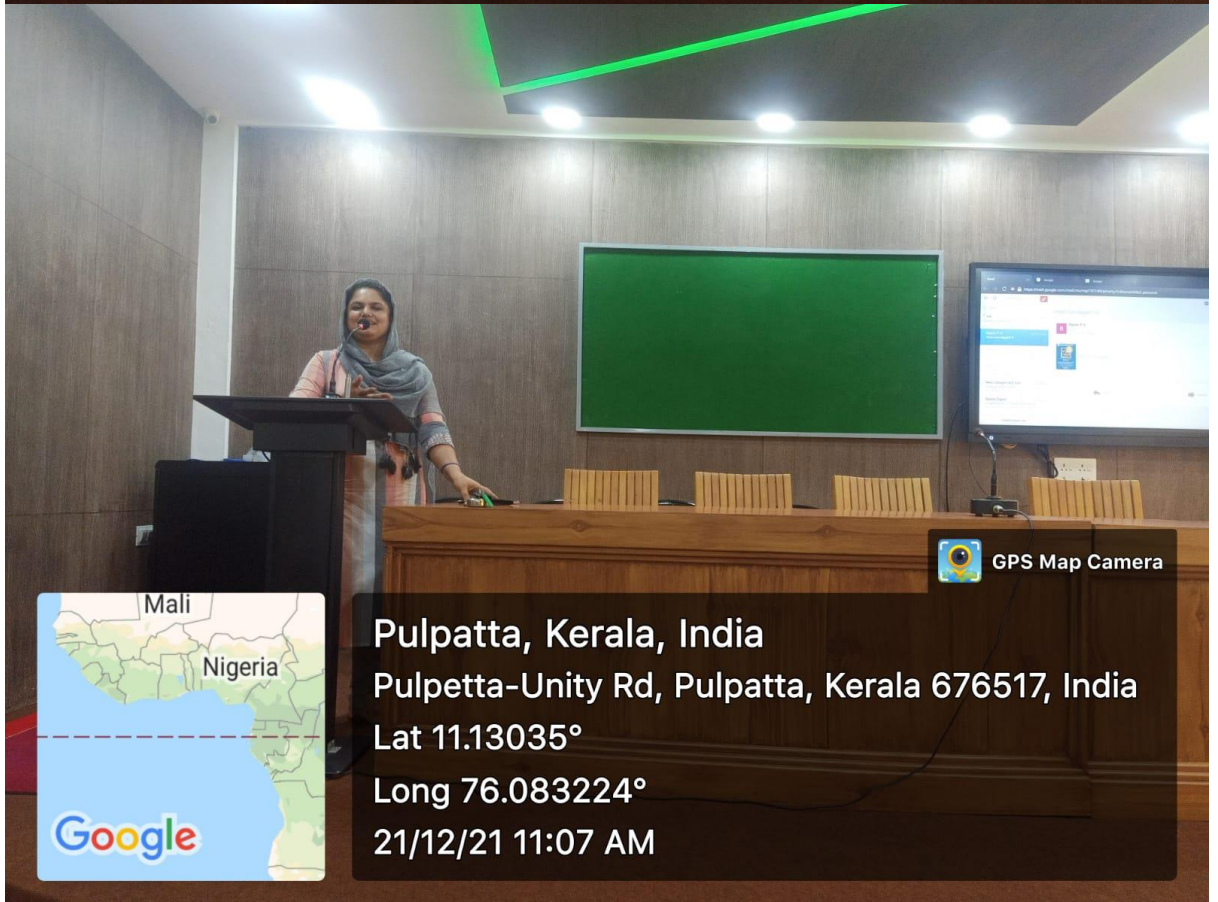
**v) Geometric Chart and Number Chart Competition for High School Students:**

As the extension activity of the Department, inter school competitions were conducted for geometric chart preparation and number chart preparation.

Winners were awarded the cash prizes.

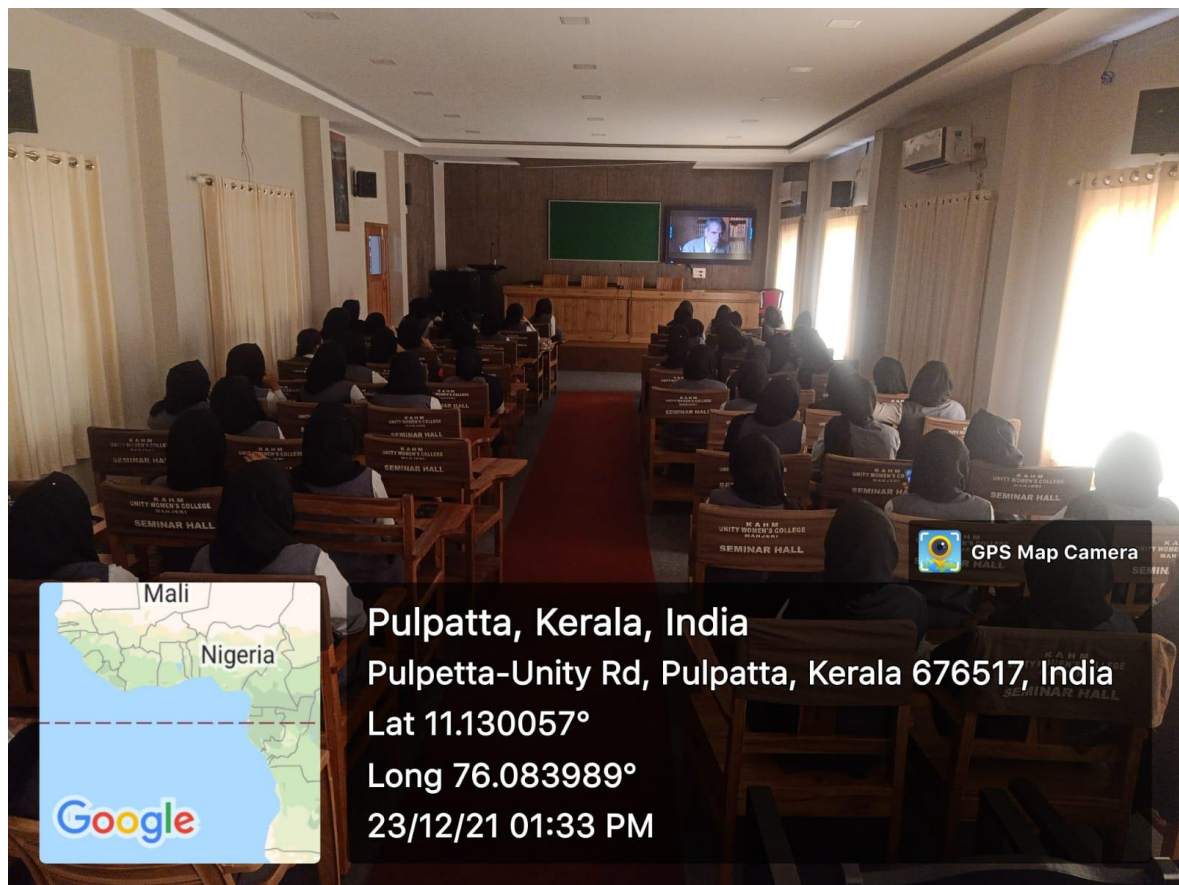


- vi) **Me and Mathematics:** A session was organized on 21<sup>st</sup> December 2021 to share the experiences of teachers with mathematics. Students got a chance to hear the role of mathematics in the studies and career of the teachers in various disciplines.



**vii) Screening of the Movie The Man Who Knew Infinity**

The movie about Srinivasa Ramanujan 'The Man Who Knew Infinity' was screened as a part of National Mathematics Day Celebration on 23<sup>rd</sup> December 2022.



## 5. Nature Camp ‘Making Sense of the Nature Through Mathematical Understanding’ at Wayanad

Department organized a two day nature camp on 27<sup>th</sup> and 28<sup>th</sup> December 2021 at Black Eagles Camp Chembra entitled ‘Making Sense of the Nature Through Mathematical Understanding’ as an initiative of experiential learning and to enable the students appreciate the mathematics in nature. An online session on Mathematics in nature was conducted in the camp followed by a walk through the forest to identify mathematical patterns in the nature. An online session on the topic ‘Mathematics in Nature’ was presented by Dr. Sunil Mathew, NIT Calicut. Dr. Shahida. A.T(Assistant Professor DGM MES Mampad College) and Dr. Babitha Shubin attended the camp and a panel discussion was held on the topic ‘Genesis of a natural water flow; A mathematical outlook’ .





GPS Map Camera

**Kottappadi part, Kerala, India**

H35R+34Q Black Eagl's Camp, Kottappadi part,  
Kerala 673577, India

Lat 11.557742°

Long 76.090345°

28/12/21 04:27 PM

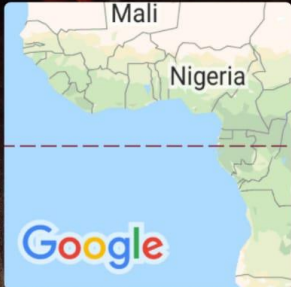




REDMI NOTE 8 PRO  
AI QUAD CAMERA



GPS Map Camera



**Kottappadi part, Kerala, India**

H35R+34Q Black Eagl's Camp, Kottappadi part, Kerala

673577, India

Lat 11.557742°

Long 76.090345°

28/12/21 10:26 AM

## 6. Webinar on Introduction to e-Learning Programmes and Internships

Department organized an online talk on e-learning programmes and internships on 12<sup>th</sup> March 2022 to help the students for doing internships during their course and to familiarize the e-learning platforms like swayam-NPTEL, coursera, edX etc. The session was handled by Dr. Rubell Marion Lincy G, Assistant Professor, IIIT Kottayam.




## 7. MATHEAC-Career Path for Mathematics Majors- Phase-1

MATHEAC- Career Path for Mathematics majors was an initiative of the Department of Mathematics to motivate the students to do their higher studies in the reputed institutions. Three phases were planned: state level, national level and international level. In each level a student who got admission to the said institutions share their preparations for the entrance and the experiences they undergone.


In the first phase 7 students interacted with students and shared their experiences.

**MATHEAC**  
*career path for mathematics majors*


19/02/2022 ONWARDS | Google meet




Mohammed Shameem  
IIT Pkd




Zainab Kammappa  
NIT Calicut




Joel Sleeba  
IISER TVM




Nanda N R  
KSOM



Sreelakshmi Chandran  
Central University  
Kasaragod



Sahla Abdulla P  
CUSAT



Nikhil Sajan  
IITM

All UG mathematics students are invited

**Department of mathematics**  
**KAHM Unity women's college, Manjeri**

Sl No	Date	Guest	Institution of Affiliation	Course Introduced	No of Students attended
1	19/02/2022	Ms. Nanda R	Kerala School of Mathematics, Calicut	Integrated MSc+PhD	40
2	05/03/2022	Mr. Nikhil Sajan	IITM, Trivandrum	MSc Computer Science	39
3	08/03/2022	Ms. Zainab Kammappa	NIT Calicut	MSc Mathematics	41
4	10/03/2022	Mr. Mohammed Shameem	IIT Palakkad	MSc Mathematics	40
5	12/03/2022	Ms. Shahla Abdulla P	CUSAT, Cochin	MSc Mathematics	40
6	14/03/2022	Mr. Joel Sleeba	IISER Trivandrum	MSc Mathematics	40
7	09/04/2022	MS. Sreelakshmi Chandran	Central University of Kerala, Kasaragod	MSc Mathematics	41

### 8. Pie Day Observation:

Department of Mathematics and Malayala Vedi in Collaboration with IQAC organized a talk on 'Ganitha Yukthiyum Malayalathinte Arivuvazhikalum'. Ms. Chinju Surendran, Research Scholar, Thunchath Ezhuthachan Malayalam University, Tirur.



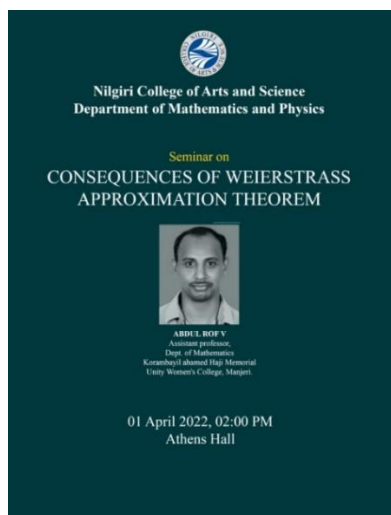
### 9. Association Inauguration and Cultural Fest

The Mathematics Association of the academic year 2021-22 was inaugurated by Ms. Rafiya P, Assistant Professor, Department of Mathematics, DGMMES Mampad College on 22<sup>nd</sup> March 2022. Meritorious Awards were distributed to the toppers of 2020-21, Fathima Jubi, Shahanas MP and Janna V. Fathima Fidha and Thanshida were given awards for completing about ten courses through online mode in the covid 19 pandemic period. Cultural events were performed by the students.



## 10. Invited lectures by Faculty Members

1. Mr. Abdul Rof V, Assistant Professor, Department of Mathematics has delivered a talk on “Cosequences of Weierstrass Approximation Theorem” organised by Department of Mathematics, Nilgiri college of Arts & Science on April 01<sup>st</sup> 2022.



### CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

### ABDUL ROF V

Assistant Professor of Mathematics,  
Korambayil Ahmed Haji Memorial Unity Women's College, Manjeri.

For being the Resource Person in the seminar on  
**Consequences of Weierstrass Approximation Theorem**  
organised by Department of Mathematics,  
Nilgiri College of Arts & Science on April 01<sup>st</sup> 2022

  
Co-ordinator

  
Principal



**NILGIRI COLLEGE  
OF ARTS & SCIENCE**  
(Affiliated to Bharathiar University)  
UGC-2019-2020 Recognition and Accredited Institution  
Thudalur, The Nilgiris, Tamil Nadu, 643 238

2. Dr. Bajeel P N, Assistant professor, Department of Mathematics has delivered an Invited Extension Lecture on “Mathematical Careers in Business, Industry and Government” at Mar Ivanios College (Autonomous), Thiruvananthapuram on 16/12/2021 for the undergraduate mathematics students.



3.

4. Dr. Bajeel P N, Assistant professor, Department of Mathematics has delivered an Invited lecture on “MATHEMATICS THE CAREER AHEAD” at Government Arts and Science College, Kondotty on 10/03/2022 conducted by the PG department of Mathematics.



5. Dr. Bajeel P N, Assistant professor, Department of Mathematics has delivered an Invited Talk on “Introduction to Linear Algebra for Machine Learning” as part of the “National Seminar on Linear Algebra” jointly organized by the Department of Mathematics and Mathlets- Mathematics club, Co-operative Arts and Science College, Madayi on 14<sup>th</sup> March 2022.



## 11. Paper presentation

1. Dr. Bajeel P N, Assistant professor, Department of Mathematics presented a paper on the title “Application of degradation growth model in the estimation of Bayesian system reliability” in MESMAC International Conference, edition 6 held at MES Mampad college (Autonomous) from 20<sup>th</sup> to 31<sup>st</sup> January 2022.



## 12. Teachers' participation in seminars/ conferences/FDP

1. Dr. Bajeel P N, Assistant professor, Department of Mathematics participated and delivered an Invited Talk on "Introduction to Linear Algebra for Machine Learning" as part of the "National Seminar on Linear Algebra" jointly organized by the Department of Mathematics and Mathlets- Mathematics club, Co-operative Arts and Science College, Madayi on 14<sup>th</sup> March 2022.



2. Ashitha P A, Assistant Professor, Department of Mathematics attended a one-day national level FDP on "How to publish high impact research articles" organized by Research Consultancy and Extension Cell, Sullamussalam science college, Areecode on 15<sup>th</sup> January 2022.

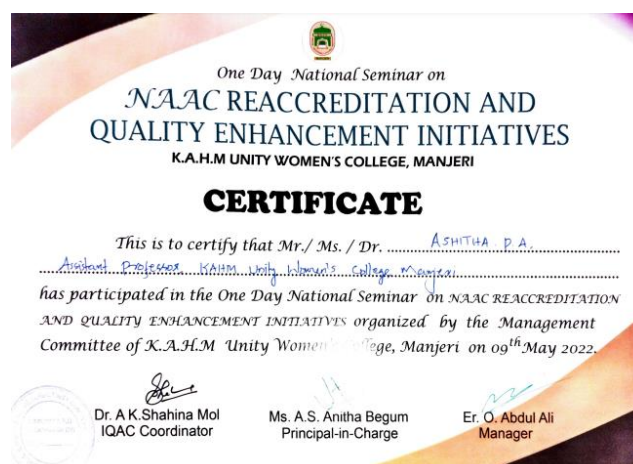




- Ashitha P A, Assistant Professor, Department of Mathematics attended a one-day national level FDP on "Teaching in Higher Education, Research and Professional Development" organized by KAHM Unity Women's College, Manjeri on 9<sup>th</sup> March 2022.



- Ashitha P A, Assistant Professor, Department of Mathematics attended a one-day national seminar on "NAAC Reaccreditation and Quality Enhancement Initiatives" organized by the management committee of KAHM Unity Women's College, Manjeri on 9<sup>th</sup> May 2022.



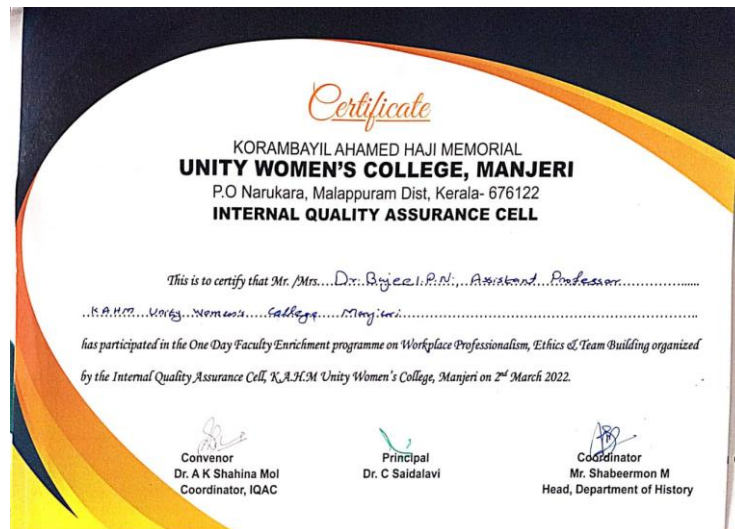
- Dr. Bajeel P N, Assistant Professor, Department of Mathematics attended a one day national seminar on "NAAC Reaccreditation and Quality Enhancement Initiatives" organized by the management committee of KAHM Unity Women's College, Manjeri on 9<sup>th</sup> May 2022.



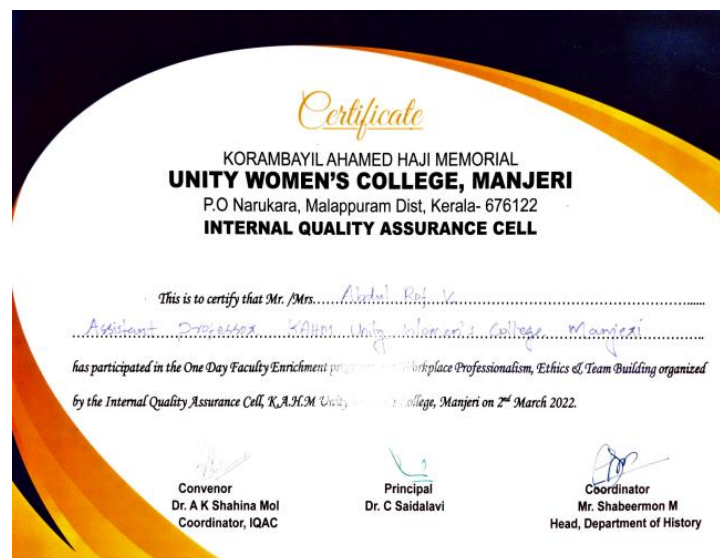
- Dr. Bajeel P N, Assistant Professor, Department of Mathematics attended a one-day national level FDP on "Teaching in Higher Education, Research and Professional Development" organized by KAHM Unity Women's College, Manjeri on 9<sup>th</sup> March 2022.



- Dr. Bajeel P N, Assistant Professor, Department of Mathematics attended a one day FDP on "Faculty Enrichment Programme on Workplace Professionalism, Ethics & Team Building" organized by IQAC, KAHM Unity Women's College, Manjeri on 2<sup>nd</sup> March 2022.



8. Abdul Rof V, Assistant Professor, Department of Mathematics attended a one day FDP on " Faculty Enrichment Programme on Workplace Professionalism, Ethics & Team Building" organized by IQAC, KAHM Unity Women's College, Manjeri on 2<sup>nd</sup> March 2022.



9. Abdul Rof V, Assistant Professor, Department of Mathematics attended a one day national seminar on " NAAC Reaccreditation and Quality Enhancement Initiatives" organized by the management committee of KAHM Unity Women's College, Manjeri on 9<sup>th</sup> May 2022.



### 13. Meritorious Awards by the Department

Name of Student	Achievement
Fidha Fathima and	Completed more than ten certificate courses through online mode in the Lockdown period.
Thanshida M	Completed eight of certificate courses through online mode in the Lockdown period.
Fathima Jubi E	Class topper of 2018-2021 batch
Shahanas M P	Second class topper of 2018-2021 batch
Janna V	Third class topper of 2018-2021 batch

## 14.Co-curricular Activities

Date of event/activity (DD-MM-YYYY)	Name of the event/activity and a brief report	Name of the student participated
02/09/2021	Third prize winner in the state level poster making contest conducted by WHD in collaboration with KAHM Unity Women's College, Manjeri as a part of "World Moral Day" annual celebration on 2 <sup>nd</sup> September.	Anjala Farha
	EBSB Club best student coordinator title	Shamila Rustha T
20-24 August 2021	Charithronam Quiz competition- First prize in the quiz competition Conducted by Department of History, KAHM Unity Women's college, Manjeri.	Fathima Nasriyah K V
15/08/2021	Third place in the pencil drawing competition on India@75 conducted by EBSB club , KAHM Unity Women's college, Manjeri.	Shamila Rustha T
	IQAC recognition for completing most number of certificate courses through online mode in the Lockdown period.	Fidha Fathima
02/10/2021	Gandhi Jayanthi Quiz competition – Won prize in the quiz competition conducted by Department of History, KAHM Unity Women's College, Manjeri	Usna Farvi