



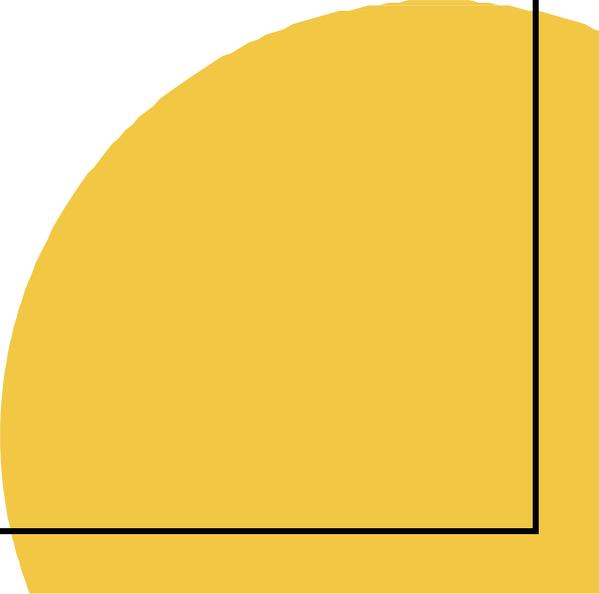
ANNUAL REPORT

2023-2024

DEPARTMENT OF MATHEMATICS

AMBEDKAR COLLEGE OF ARTS AND SCIENCE

WANDOOR



About us

Department of Mathematics was started in the year 2014. At present we offers undergraduate program in mathematics. The three year BSc Mathematics program offers Statistics and Computer Science as the complimentary courses for the first four semesters. From 2014 onwards the undergraduate program followed the choice based credit semester system.

The sanctioned strength for the program is 36 and an intake in accordance with a marginal increase of certain percentage, which differs from year to year, was also implemented.

The department offers induction program and bridge courses for the beginners. It also offers an open course in Mathematics and different certificate courses in Mathematics, Computer science and Statistics. Mathematics department organizes seminars, workshops, exhibition and career development programs for undergraduate students. Mathematics Club is functioning in the department to promote and maintain students' interest in Mathematics.

Vision

Impart quality education in Mathematics and become a centre of excellence in Mathematics education.

Mission

- To provide an environment for students to learn Mathematics.
- To develop mathematical thinking and logical reasoning, by enabling them to become lifelong learners.
- To develop critical thinking and problem solving abilities.

FACULTY DETAILS

Sl.No	Name	Designation	Qualification	Experience
1.	Sharshad Aameera U	Assistant Professor	MSc-Mathematics, B.Ed, PhD (Ongoing)	12 years
2.	Muhsina V	Assistant Professor	MSc-Mathematics, MBA, PhD (Ongoing)	3 year
3.	Jasmine M T	Assistant Professor	MSc Computer Science	7 years
4.	Hima P	Assistant Professor	MSc Statistics	2 year

STATISTICS OF STUDENTS BY GENDER AND SOCIAL CATEGORY

Programme	Year	SC			ST			OBC			General			Differently abled			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
BSC	I	2	1	3	0	0	0	7	24	31	0	0	0	0	0	0	9	25	34
	II	1	2	3	0	0	0	8	25	33	0	0	0	0	0	0	9	27	36
	III	0	1	1	0	0	0	7	23	30	0	0	0	0	0	0	7	24	31

DEPARTMENT ACTIVITIES

- Campus Cleaning
- Independence Day Celebration
- Debate: Artificial Intelligence – Friend or Foe
- Hands on Workshop on Slide Making
- Computer Literacy Day Celebration
- National Mathematics Day Celebration
- Fresher's Day
- Excursion
- Industrial Visit
- Kerala PSC One Time Registration
- Food Court
- Seminar on 'Job Opportunities at banking field'
- Hands on Workshop on 'Chat GPT and AIT'
- Association Inauguration
- Farewell

Campus Cleaning

On 14th June, 2023 Department of Mathematics took the initiative to clean the backside of the campus. 26 students of mathematics department participated in the initiative.





Independence Day Celebration

Department of Mathematics organized a freedom quiz competition to aware the students about importance of Independence Day on 14th August, 2023. Final Year Mathematics student, Fasna K, was the quiz master. 20 teams were participated in the quiz competition with each team have 2 members. The winners of the competition were

1st Prize: Harshida K & Rena Rasheek EK (Second Year English)

2nd Prize: Riba K & Nafla K (Second Year Economics)





GPS Map Camera

Google

Wandoor, Kerala, India
665H+6CH, Wandoor, Kerala 679328, India
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GPS Map Camera

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Debate: Artificial Intelligence – Friend or Foe

The Debate Competition on the topic "Artificial Intelligence: Friend or Foe" was organized by the Mathematics Department at Ambedkar College of Arts and Science, Wandoor. The event took place on the 9th November 2023 as part of the International Science Day celebrations and served as an experiential learning opportunity for first-year mathematics students.

The participants, comprising first-year mathematics students, were divided into two teams: one advocating for AI as a friend, and the other presenting arguments against it as a foe. A panel of faculty members of Mathematics department served as judges. The criteria for evaluation included the clarity of argument, depth of research, logical reasoning, effective communication skills, and the ability to counter opposing viewpoints.





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Hands On Workshop On Slide Making

Department of Mathematics organized hands on workshop on slide making for the first year students to have a basic knowledge in PowerPoint presentation on 4th and 5th December, 2023. To make the workshop interesting, the department assigned their classmate, Muhammed Shahid V, to prepare the workshop.



Computer Literacy Day Celebration

Department of mathematics celebrated computer literacy day by two programs

1. Movie screening
2. Student seminar series

Movie Screening: 'The Creator'

The movie screening marked the commencement of Computer Literacy Day celebrations at the college. Department of Mathematics screened the movie 'The Creator' on 5th December 2023 at Second Mathematics classroom. About 54 students were participated. 'The Creators' was chosen for its insightful portrayal of the journey of technological innovators and pioneers. The film provided a glimpse into the world of computer science, showcasing the challenges and triumphs of those who have significantly contributed to the field. The narrative aimed to inspire students to explore and appreciate the possibilities within the realm of technology.

The movie screening was organized by Jasmine MT (Asst. Prof. of Computer Science). The event not only entertained but also inspired students to explore the vast opportunities within the field of computer science.



Student Seminar Series – Problem Solving Using Python

Students of Mathematics Department organized a seminar series on 12th December, 2023 as a part of celebrating Computer Literacy Day. The seminar was centered on problem-solving using Python aiming a platform for students to share their knowledge on python.

The Presenters were

- Shahid Irfan TP - Introduction to Python
- Rinsha V - Variables and Basic Codes in Python
- Sibil V - Functions
- Hiba Sherin MK - Repetitional Structures
- Muhammed Sinan SV - Decision Structures and Boolean Logic

AMBEDKAR COLLEGE OF ARTS & SCIENCE
WANDOOR

DEPARTMENT OF MATHEMATICS

COMPUTER LITERACY DAY

Seminar on :
PROBLEM SOLVING USING PYTHON

Shahid Irfan T P Rinsha V Muhammed Sinan S V

Hiba Sherin M R Sibil V

12 DEC 2023 @ 2 : 30 PM COMMON HALL

Ambedkar College of Arts & Science
Wandoor

DEPARTMENT OF MATHEMATICS
PRESENTS

SEMINAR



SHAHID IRFAN
INTRODUCTION TO PYTHON



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COMPUTER LITERACY DAY
12 DEC 2023

Ambedkar College of Arts & Science
Wandoor

DEPARTMENT OF MATHEMATICS
PRESENTS

PROBLEM SOLVING USING PYTHON



SIBILL V
FUNCTIONS



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COMPUTER LITERACY DAY
12 DEC 2023

Ambedkar College of Arts & Science
Wandoor

DEPARTMENT OF MATHEMATICS
PRESENTS

PROBLEM SOLVING USING PYTHON



RINSHA V
VARIABLES AND BASIC CODES
ON PYTHON



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COMPUTER LITERACY DAY
12 DEC 2023

Ambedkar College of Arts & Science
Wandoor

DEPARTMENT OF MATHEMATICS
PRESENTS

PROBLEM SOLVING USING PYTHON



HIBA SHERIN M K
REPEATATIONAL STRUCTURES



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COMPUTER LITERACY DAY
12 DEC 2023

Ambedkar College of Arts & Science
Wandoor

DEPARTMENT OF MATHEMATICS
PRESENTS

PROBLEM SOLVING USING PYTHON



MUHAMMED SINAN. SV
DECISION STRUCTURES AND
BOOLIAN LOGIC

COMPUTER LITERACY DAY
12 DEC 2023

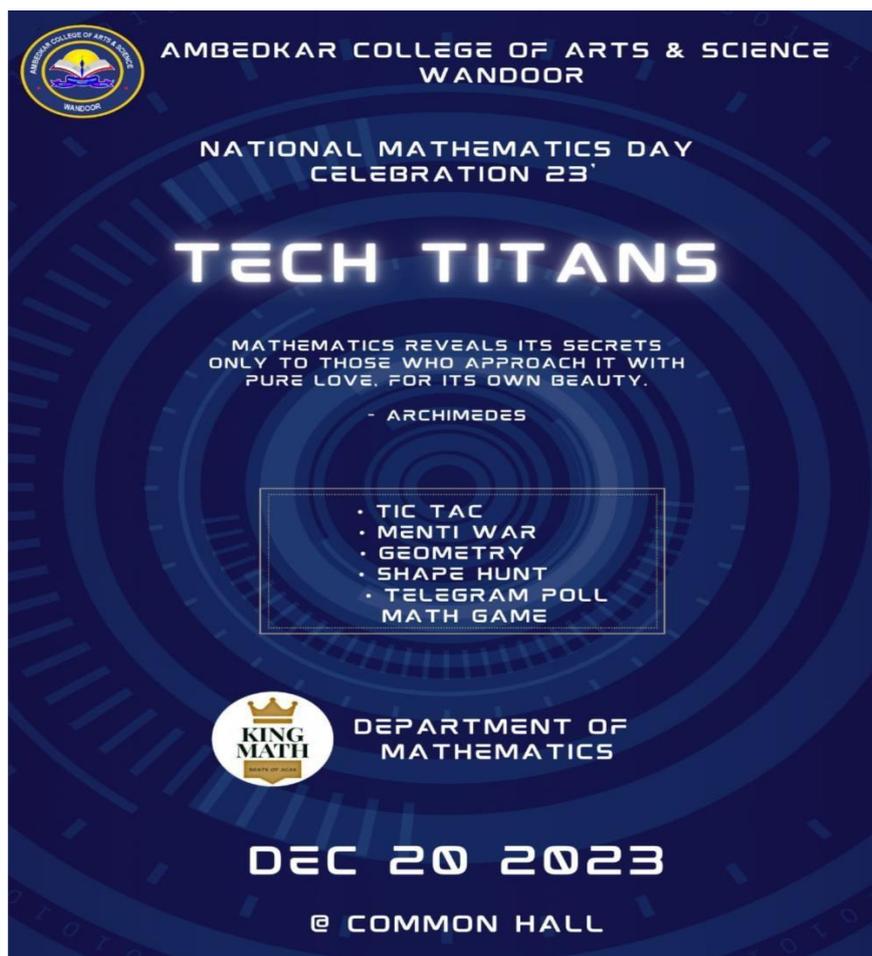


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National Mathematics Day Celebration – Tech Titans

On December 20, 2023, the Department of Mathematics at Ambedkar College of Arts and Science, Wandoor, celebrated National Mathematics Day with great enthusiasm and creativity. The event was organized by the student coordinator, Shefin KP (Final Year BSC Mathematics), who ensured a well-coordinated and engaging celebration. The college entrance was adorned with informative charts on various math-related topics, showcasing the students' dedication to promoting mathematical knowledge. As part of the festivities, a video highlighting the relevance of National Mathematics Day was presented by students using a projector at the entrance, providing an insightful perspective on the significance of the day. The celebration featured a diverse range of programs:

1. Tic Tac
2. Menti War
3. Geometry
4. Shape hunt
5. Telegram poll Math Game

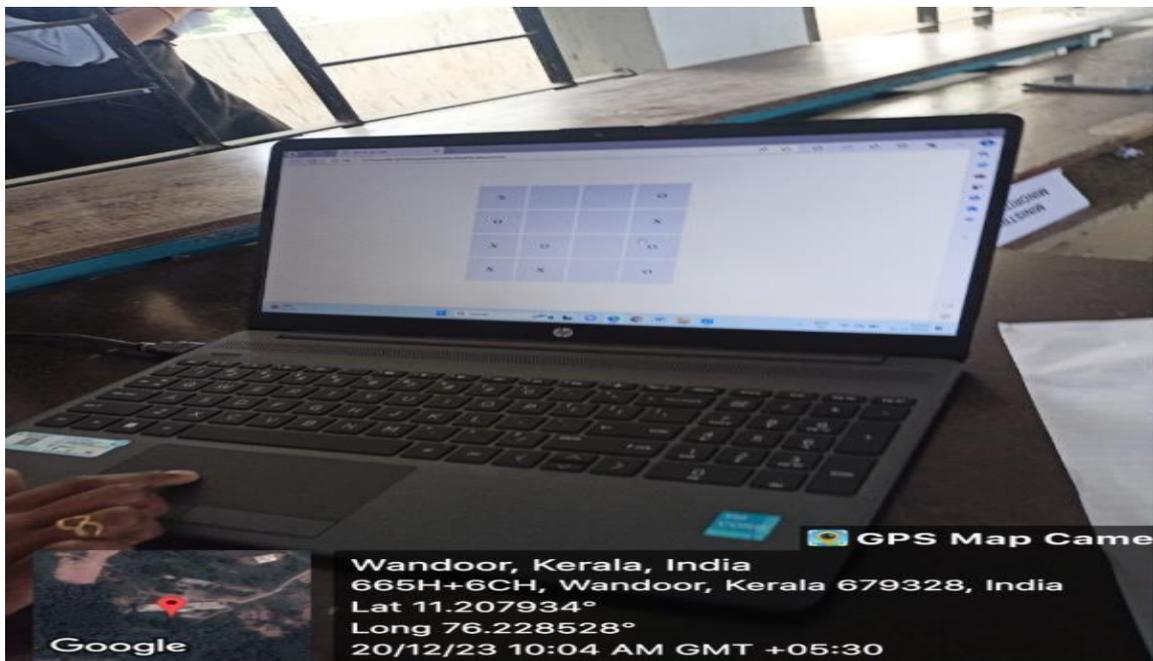




Although various programs were successfully conducted, the 'Geometry' program had to be canceled due to time constraints. The celebration not only fostered a love for mathematics but also showcased the students' creativity and dedication to commemorating the importance of mathematics in our lives.

1. TicTac

The TIC TAC program, organized by the Department of Mathematics at Ambedkar College of Arts and Science, Wandoor, took place on December 20, 2023, at 9:30 AM in the Common Hall on the second floor, was the first program conducted as a part of National Mathematics Day celebrations called Tech Titans. The student coordinator of the program was Husna Sherin K (2nd BSC Mathematics). The game chosen for the event was the classic Tic Tac Toe, showcasing the intersection of mathematics and technology. 73 students from various department participated in the program. The winners of the competition were Adhil Jahansha C from 3rd English, who secured the first prize, while Yaswanth K and Bayaan PK from 3rd English and 2nd Economics, respectively, claimed the second prize and third prize. The TIC TAC program successfully blended academic enthusiasm with technological innovation, providing a unique platform for students to engage in a mathematically inclined AI gaming experience.



2. MentiWar

MentiWar, was the second event organized as a part of the National Mathematics Day celebration under the banner of Tech Titans. It was an AI-generated Maths Quiz competition facilitated through the online platform menti.com, adding a technological edge to the traditional quiz format.

Muhammad Shahid V, Student Coordinator and Presenter of the program played a vital role in making the competition lively and attractive. Shahid's encouragement and enthusiasm made a next level of excitement, creating an atmosphere where all participants eagerly awaited every question, fostering a healthy sense of competition. One of the highlights of "Menti War" was the dynamic scoreboard. After each question, the points were instantly updated and displayed, creating a sense of suspense and anticipation among the participants. Even if someone knew the answer, being the first to respond became crucial for maximizing points. This dynamic element made the competition intense and kept the participants on the edge of their seats. The competition started at 10:45 am and 31 students from various department participated in the competition.

The winners of "Menti War" were

1st Place: Shamil K (3rd BA English)

2nd Place: Mohammed Amalshan T(1st BSc Mathematics)



3. Telegram Poll Math Game

The Telegram Poll Math Game, was the third event organized as a part of the National Mathematics Day celebration under the banner of Tech Titans. The "TELEGRAM POLL MATH GAME" is a quiz hosted on Telegram with 20 questions, each allowing participants 1 minute to answer. The quiz attracted 30 participants, and the results showcased the top performers with their scores and completion times. The quiz demonstrated a mix of quick thinking and subject knowledge, evident in the diverse completion times.

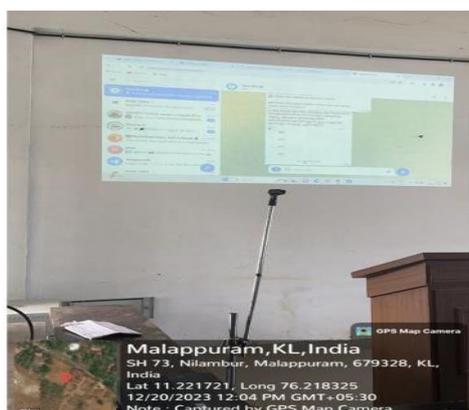
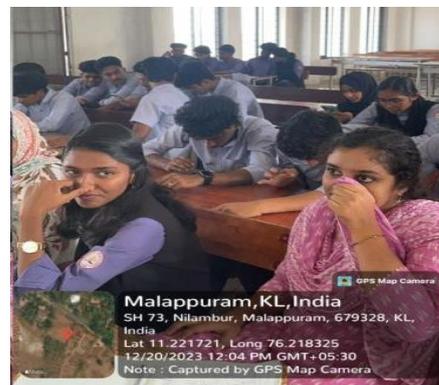
The math quiz was conducted in a unique format where participants could only view the next question after successfully answering the previous one or after the time limit of 1 minute had elapsed. This added an element of suspense, contributing to the overall excitement of the event. The participant who answered all the questions first received additional marks. The winners of the Telegram Poll Math Game were

First Place: Shaheen Muhammed (3rd BCom)

Second Place: Ashfaque (3rd BCom)

Third Place: Adil Jahansha C (3rd BA English)

The program appears to engage participants in a competitive and time-sensitive math quiz on the Telegram platform, fostering a sense of challenge and community participation.

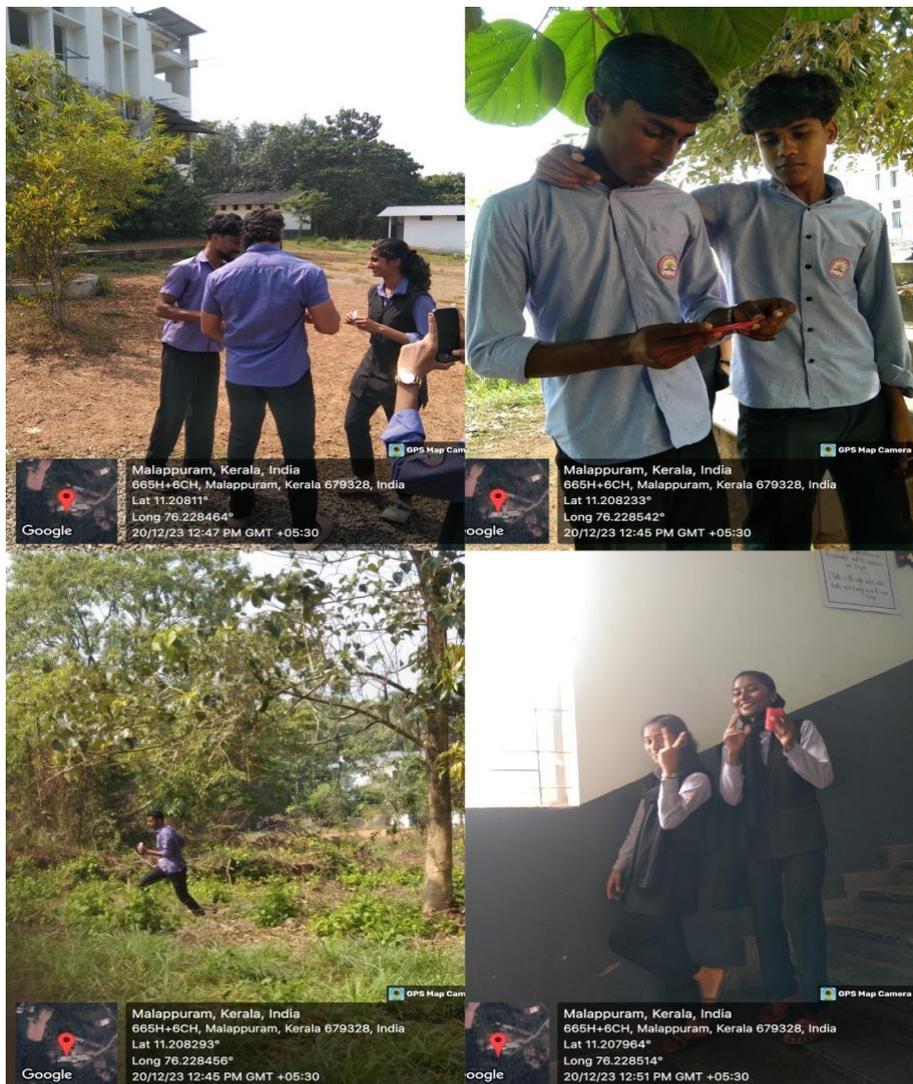


4. Shape Hunt

The "Shape Hunt" event was the fourth and final activity of the "Tech Titans" program organized by the Mathematics Department of Ambedkar College of Arts and Science, Wandoor. The event took place on the college campus as a part of the celebrations for National Mathematics Day.

The program aimed to engage students in a challenging and fun competition centered on geometric shapes and mathematical concepts. The event provided a platform for participants to showcase their knowledge, teamwork, and problem-solving skills.

There were 5 clues written on papers kept in 5 different places starting from the entrance to the backyard of the college. 5 groups of 3 members from various departments participated. Each team was given 45 minutes. The winners of the Shape Hunt were Team 1 from 1st BCom, consisting of Rameez T P, Muhammed Nihaj T P, and Nasib Rahman K.



Fresher's Day

The Freshers Day event, named 'AAVO BETA,' held by Department of Mathematics at Ambedkar College of Arts and Science, Wandoor, aimed at providing a warm welcome to the new batch of students.

The Freshers Day event started at 1:30 PM in the Common Hall on the second floor. 73 students participated in the program. The atmosphere was filled with excitement as students gathered to begin their college journey. Student Coordinator Shagma CH led the welcome address, extending a warm greeting to the freshers.

The event aimed to ease the transition for new students, making them feel comfortable into the college environment. To encourage interaction, several engaging activities were organized. These activities not only provided entertainment but also helped students to get to know each other.



Excursion

Department of Mathematics organized an excursion for final year Mathematics students from 1st December 2023 to 7th December 2023.



Industrial Visit

To make informed career choice and develop a broader perspective on their field, Department of mathematics organized an industrial visit to KSOM, Calicut, to the final year Mathematics students on 10th January 2024. 28 students participated. Students were highly inspired after a small interactive section with the director, A K Vijayarajan and two post- doctoral research fellows.

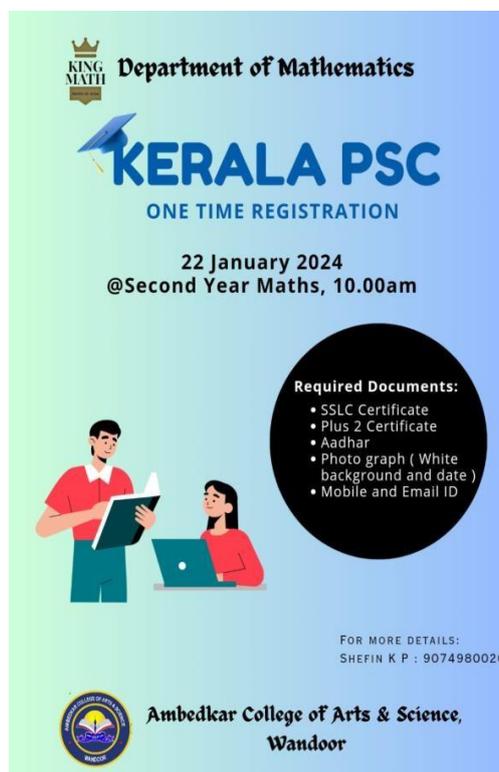


Kerala PSC One Time Registration

The Kerala PSC One-Time Registration program held by Mathematics Department of Ambedkar College of Arts and Science, Wandoor, on 22nd and 23rd January 2024, aimed to facilitate the registration of students who were yet to register with Kerala Public Service Commission (PSC). The program focused on making the registration process easier for students interested in seeking opportunities through PSC examinations.

Shefin KP served as the student coordinator for the program. The volunteers, Fasma K, Fathima Lana K, Jamshiya E, Fathima Nishva A, Nejl Kallara, Thasneem P, Jyothika V, Reefa Muhammed, Varsha K, and Shameem P, ensured that all details were accurate and complete. A nominal fee of 10 rupees was charged for the one-time registration process. This fee was collected to cover administrative expenses associated with the event.

The response from students was positive, with a significant turnout for the program. Participants appreciated the initiative taken by the department to facilitate the registration process. The program was successful in achieving its intended purpose. By providing a platform for students to register conveniently, the event contributed to enhancing their access to government job opportunities.







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Food Court

Students of Mathematics Department organized a food court on 25th January 2024, on Sports day of our College at the college ground. All students of the department engaged very hard to make it successful and profitable. Varieties of snacks and drinks were provided to the students. All food items were sold out before ending the sports programmes.



Seminar on Job Opportunities at Banking Field

In association with SBI, Mathematics Department organized a seminar on 'Job opportunities at banking field' to the students of our department for having awareness about the career opportunities at banking field after their graduation on 21st February 2024.



Hands on workshop on 'Chat GPT and AIT'

Department of Mathematics organized a hands-on workshop on "ChatGPT and AIT" on 23rd February 2024. The program, held in the Second Year Mathematics Classroom, was skilfully presented by Muhammed Shahid V, a 1st BSc Mathematics student. The full-day workshop, commencing at 10:30 am, attracted 44 enthusiastic participants who were provided with laptops for an immersive learning experience. A fee of 50 Rupees was collected from participants for registration. The event was inaugurated by Principal Abdul Nasar VP, and insights were shared by Head of the Department, Sharshad Ameera U, and Assistant Professor of Mathematics, Muhsina V. The workshop delved into the practical applications of ChatGPT and AI, offering valuable insights and hands-on experience to the participants. The engaging sessions throughout the day culminated at 4:00 pm, marking the successful completion of a knowledge-enriching workshop for the mathematics enthusiasts at Ambedkar College.

AMBEDKAR COLLEGE OF ARTS & SCIENCE, WANDOOR

WORKSHOP CHAT GPT & AIT

23 FEB, 2024 / 10:30 AM

FOR REGISTRATION
REGISTRATION FORM AVAILABLE IN MATHS DEPARTMENT

CAN I HELP YOU?

"ALL PARTICIPANTS WILL GET PARTICIPATION CERTIFICATE"

DEPARTMENT OF MATHEMATICS
ALL ARE WELCOME...

REGISTRATION FEE: 50/-
JOIN NOW !!

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DEPARTMENT OF MATHEMATICS

CHAT GPT & AIT WORKSHOP

"The Best Ai Solution For Your Digital Growing"

Join Us

FEE: 50/- Only...



Seminar on ‘Mathematics in Action-From Daily Digits to Real-life Solutions’

On the topic ‘Mathematics in Action – From daily digits to real-life Solutions’, Mujeeb Rahman Sir conducted a seminar to the students which created a great impact on them. The seminar was conducted as a part of mathematics association inauguration, on 29th February 2024 inaugurated by Naseera MK(HOD of English Department & Principal Incharge), in the absence of the Principal of our college, Abdul Nasar VP. The chief guest and the resource person of the programme was Mujeeb Rahman, Asst. Prof. of Mathematics at PSMO College, Thirurangadi. At the end of the programme a manuscript magazine created by students named was released.



AMBEDKAR COLLEGE OF ARTS & SCIENCE,
WANDOOD

Department of Mathematics

**ASSOCIATION
INAUGURATION
&
SEMINAR**

On
Mathematics in Action - From Daily Digits to
Real-Life Solutions

Resource Person Inauguration



Mujeeb Rahman. K
Assistant Professor
Department of Mathematics
PSMO College, Tirurangadi

Dr Abdul Nasar V P
Principal
Ambedkar College of
Arts & Science Wandoor

10:00 AM 29 February 2024 @ Common Hall





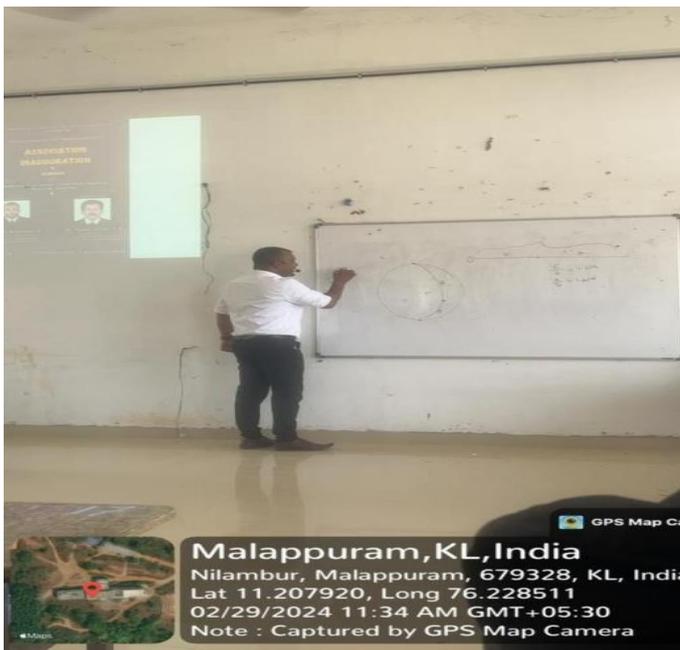
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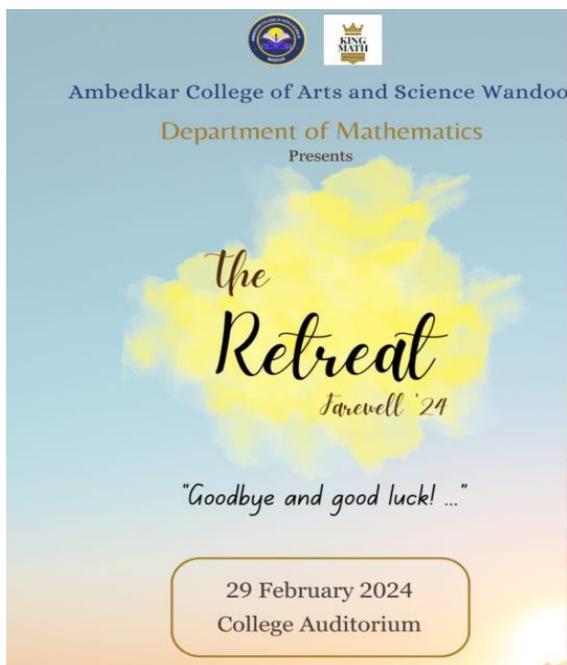
Magazine Release

A manuscript magazine prepared by students of Mathematics department was released by Mujeeb Rahman Sir, (Asst. prof. of Mathematics, PSMO College, Thirurangadi) on 29th February, 2024 at the occasion of Mathematics Association inauguration. The magazine was named, 'Mathsmania' by the student editor Hafeefa (Third Year BSc Mathematics).



Farewell

First and Second year students of Mathematics Department organized a farewell party for the third year students to create a platform for sharing memories they experienced during their last three years. The students were very emotional while sharing their experiences. The teachers also shared some of the memories about them. Final Year students gave a small gift to the department to express their love towards the teachers.



Academic support for children of 'chinkakallu' colony

A program named 'kanakkanu karyam' was initiated by Mathematics Department on 18th September, 2023 for giving academic support to the children of Chinkakallu Colony of Chokkad Village. Last year the students of our department visited the colony every Saturdays and helped students in their Maths, English and hindi subjects. This year too they have visited there and helped the students.



Achievements

Inter department Cricket Tournament Champions



Inter Department Volleyball Competition Runner Up



Student Participations

1. 11 Second Year Mathematics Students participated in a workshop on Python Programming held on 26th October 2023, organized by Al-Ameen College Edathala



2. Three second year students participated in 'MTTS Overture Programme' held at St. Theresa's College, Eranakulam on 29th and 30th September 2023.
3. Four final year students participated in the game 'Ludo King', an intercollegiate competition held at MES College Mampad.
4. 3 Students of our department participated in quiz competition and poster presentation competition held at NIT Calicut, on 22nd December 2023, as a part of National Mathematics day celebration