

**ANNUAL REPORT 2024-25**  
**DEPARTMENT OF PHYSICS**  
**WMO ARTS & SCIENCE COLLEGE-MUTTIL**



# DEPARTMENT OF PHYSICS WMO ARTS & SCIENCE COLLEGE

*"education and some more"*

Affiliated to University of Calicut

(Aided by Govt. of Kerala)

P.O. MUTTIL, WAYANAD, KERALA - 673122

Phone : 04936-203382 (Office)

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website: [WWW.wmoccollege.ac.in](http://WWW.wmoccollege.ac.in)

## I. INTRODUCTION

The annual report outlines the department's key activities during the academic year 2024-25, with a special emphasis on academic, research, and student accomplishments. The major highlights of the year were the organization of an Alumni Lecture Series, an International Conference featuring exclusively alumni speakers, and a Grand Alumni Meet-held as a heartfelt tribute to Dr. Biju K. G., marking his retirement after 30 years of dedicated service. To commemorate the 30<sup>th</sup> anniversary of the college, a Department Alumni Association was officially established. These events celebrated the department's legacy and fostered stronger alumni engagement. The academic year also witnessed remarkable student achievements and securing placements and admissions in prestigious institutions. The department is very active in promoting scholarly interaction through various seminars and invited talks.

## II. ACADEMIC PROGRAMS OFFERED BY THE DEPARTMENT

SL. NO.	NAME OF THE PROGRAM	SCHEME
1	BSc Physics	Aided
2	MSc Physics	Self Financing

## III. STUDENT STRENGTH

PROGRAMME	YEAR	STUDENT STRENGTH	TOTAL
BSc Physics	I Year	24	83
	II Year	34	
	III Year	25	
MSc Physics	I Year	06	23
	II Year	17	
TOTAL STUDENTS			106



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#### **IV. FACULTY DETAILS**

SL. NO.	NAME OF THE FACULTY	DESIGNATION	QUALIFICATIONS	NET/JRF / GATE/ SET
1	Dr. Biju KG	Associate Professor	PhD	Nil
2	Mr. Hashim NK	Assistant Professor	MSc	NET
3	Mr. Joseph MV	Assistant Professor	MSc	Nil
4	Ms. Neeraja Krishna	Assistant Professor	MSc	SET
5	Mr. Nithin Soman P	Assistant Professor	MSc	NET
6	Dr. Muhammed Sabeer N.A	Assistant Professor	PhD	JRF
7	Dr. Sirajudheen K K	Assistant Professor	PhD	Nil
8	Ms. Nahla K	Assistant Professor	MSc	Nil
9	Mr. Ashraf Manoth	Lab Assistant	Nil	Nil
10	Ms. Sainaba X	Lab Assistant	Nil	Nil
11	Ms. Milna Thesni	Lab Assistant	MSc	Nil

#### **V. UNIVERSITY EXAMINATION RESULTS**

PROGRAMME	NO OF STUDENTS ATTENDED THE EXAMINATION	NO OF STUDENTS PASSED	PASS %
BSc Physics	40	27	67.5%
MSc Physics	9	5	55.6%

#### **VI. STUDENTS ACHIEVEMENTS**

- CDT Chinmay selected to join the Indian Navy as an **Agniveer** (SSR), bringing pride and honor to the department.



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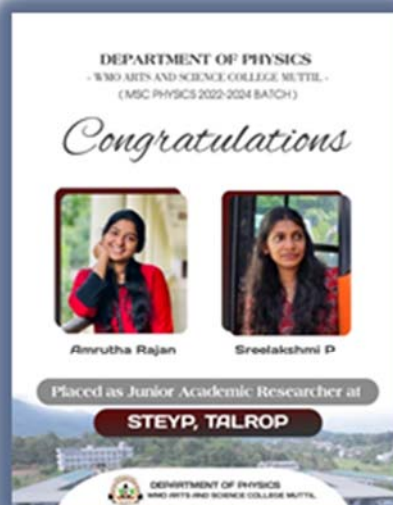
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- *Ms. Amrutha Rajan and Ms. Sreelakshmi V P* were successfully placed as Junior Academic Researchers at **TALROP**, a technology-based company specialising in building diverse hybrid ecosystems for different industries through Infrastructure, Innovation and Talent.
- *Ms. Nahitha U M, Ms. Fathima Fasmitha, Ms. Nubla Sherin and Ms. Shadhiya M* were selected for 'EmpowerHer' internship program of 'thefemme.org', an initiative by **TALROP**.
- *Ms. Nahitha U M and Mr. Muhammed Sinan* were elected as the Joint Secretary and University Union Counsellor, respectively, in the **College Students' Union**.





- *Ms. Avanthika* as a team member of the college Folk Dance contributed to securing A-grade in the *Interzone Arts Festival*.
- *Ms. Avanthika* secured third prize in Folk Dance and *Mr. Bharath*, *Ms. Deepthi Sonkar* and *Ms. Nahitha U M* secured second prizes in Tamil Speech, Hindi Speech and English Speech respectively, at the *F-Zone Arts Festival*.
- *The students from the department* actively participated in the team, 'CHAITRA' which secured the runners-up position in the *College Arts Festival, TARANG*. The students also won many individual and group prizes for their outstanding performances.





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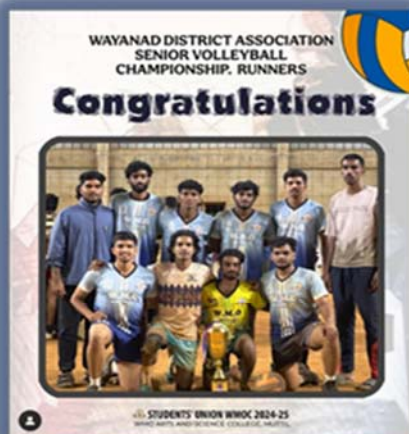
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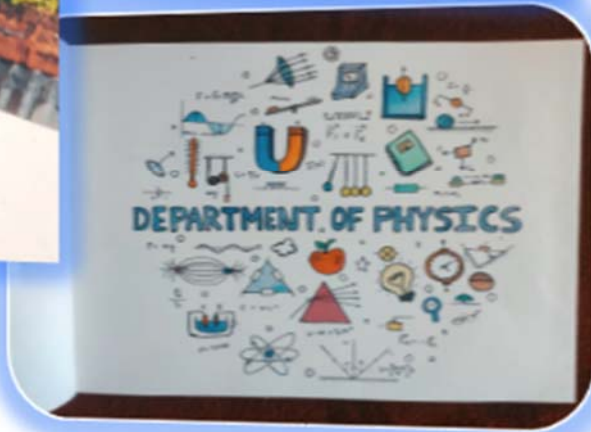
- *Mr. Abhay Krishna*, as a team member, played a key role in securing the runners-up trophy in the Wayanad District Association **Senior Volleyball Championship**.
- *The students from the department* actively participated in the team, 'FORTIUS' which secured the Winners position in the **College Sports Festival, PORKKALAM**. The students also bagged several individual and team prizes for their exceptional performances across various events.
- *UO Abhay Krishna P* successfully completed the **Army Attachment Camp**, showcasing dedication, discipline, and commitment.
- *Team PHYSKET* secured the second prize in the **MIRAGE'24** Treasure Hunt competition conducted by the **NCC Unit of WMO College** and was awarded a cash prize for their achievement.





## **VII. STUDENTS' MAGAZINE**

- The students of the department proudly published a manuscript magazine titled 'OZHUKKU', reflecting their creativity, collaboration, and literary talent. The magazine serves as a platform for students to express their thoughts, ideas, and artistic flair through various forms of writing including poems, essays, short stories, and illustrations. 'OZHUKKU', meaning 'flow', symbolizes the continuous stream of knowledge, imagination, and youthful energy that defines the spirit of the department. The initiative was entirely student-led, with contributions from all batches, demonstrating unity and teamwork. Faculty members, especially the staff editor, Ms. Nahla K, supported the effort by providing guidance and encouragement throughout the process. The magazine not only celebrates student expression but also fosters a culture of reading and writing within the department.





## VIII. BRIDGE COURSE CONDUCTED

COURSE TITLE	TARGET AUDIENCE	INSTRUCTOR	COURSE PURPOSE
Physics Foundation-1 (Core)	UG Core Students	Dr. Muhammed Sabeer N.A	To ensure a strong foundational grasp of fundamental physics principles
Physics Foundation-2 (Complimentary)	UG Complimentary Students	Ms. Neeraja Krishna	To equip students with essential physics knowledge that facilitates the easy understanding of complementary courses.
Mathematical Physics	MSc Students	Ms. Nahla K	To reinforce the fundamental mathematical skills required for a deeper understanding of advanced physics concepts.

## IX. CERTIFICATE COURSE

The Department of Physics successfully conducted the certificate course titled *“Basics of Graphing and Data Analysis using ORIGIN”* from December 2023 to February 2024 and coordinated by **Dr. Muhammed Sabeer N.A.** The course comprised 15 sessions totalling 32 hours, which included both theoretical instruction and hands-on training. The curriculum was divided into five comprehensive modules covering topics such as data import and management, graph creation, basic data analysis techniques, and effective presentation methods using ORIGIN software. Participants engaged in lectures, practical exercises, quizzes, and a final project to reinforce learning. A total of 55 students enrolled in the course, and all participants successfully completed the requirements and were awarded certificates of completion. The course aimed to equip students with essential skills in scientific graphing and data analysis for academic and research purposes.

The Certificate Course *‘LaTeX Mastery: Scientific & Professional Writing’* provided an in-depth and hands-on learning experience for students interested in





scientific documentation. The course was coordinated by **Dr. Sirajudheen K K** and focused on LaTeX, a powerful open-source typesetting system widely used in academic and research communities. The course aimed to equip participants with the technical skills to produce professional level documents for academic purposes, including project reports, seminar papers, and scientific articles. By the end of the course, students were expected to demonstrate proficiency in using LaTeX for structured, high-quality writing. The course conducted over 45 days with a minimum of 30 hours of guided instruction and practice, the course followed a blended learning format. Students progressed through a carefully curated syllabus that balanced conceptual learning with practical implementation. The course concluded with a final assignment in which students were required to prepare a five-page PDF document using LaTeX. Each student selected a topic or problem from their academic coursework and submitted a fully typeset document, demonstrating their grasp of LaTeX tools and formatting standards. A total of 29 students enrolled in the course.

## **X. EMINENT PERSONALITIES VISITED THE DEPARTMENT**

- *Dr. Joe Jacob*, Visiting Associate, IUCAA & Retired Faculty, Newman College, Thodupuzha
- *Dr. Anil Kumar K*, Scientist, Ocean Science Group, NPOL-DRDO, Kochi
- *Mr. Linthish P*, Scientist, NPOL-DRDO, Kochi
- *Dr. Jalisha T Kallingal*, Senior Researcher, Lund University, Sweden
- *Dr. Aleena Baby*, Lecturer, Artificial Intelligence and Machine Learning, Fresenius Technical University, Cologne
- *Dr. Mathew Mecheril*, Assistant Professor, Govt. Engineering College, Wayanad
- *Mr. Hameed M*, Associate Professor, Department of Physics, Government College Madappally
- *Dr. Padma Kumar H*, Associate Professor, Department of Physics, MG College, Thiruvananthapuram



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- *Dr. Suneera T P*, Professor and Head of the Department of Physics, Government College Madappally
- *Dr. Satheesh B*, MG Government Arts and Science College, Mahe
- *Dr. Wilson K C*, Assistant Professor, Department of physics, Maharajas College Ernakulam
- *Dr. Aysha Muhsina K*, Assistant Professor, Government Arts and Science College, Calicut
- *Dr. Muhammed Shanid N A*, Assistant Professor, Sullamussalam Science College, Areekode
- *Dr. Baiju K B*, Assistant Professor, NMSM Government College, Kalpetta

## **XI. MENTORING SYSTEM**

As part of the departmental mentoring activities, 20 undergraduate students were assigned to each faculty mentor for personalized academic support and guidance. Throughout the semester, each student received at least one dedicated one-on-one mentoring session. Students were advised to develop a habit of daily practice, particularly in Physics, to strengthen their problem-solving skills. A pre-exam orientation session was conducted to familiarize students with the exam pattern, important topics, and effective revision techniques. Special mentoring sessions were held with students who had frequent absences. The reasons for their irregular attendance were discussed, and necessary academic support was provided to help them catch up with the syllabus. Students were encouraged to share any personal or academic concerns. Confidential discussions were conducted, and appropriate guidance or referrals were given to ensure their well-being and academic success. Encourage the students to apply for vacation internships, as they are part of the FYUGP scheme. Additionally, guide them to apply for scholarships as part of the mentoring process.

Two teachers have been assigned as mentors for the MSc students. The mentors regularly interacted with the students to provide academic guidance, career advice, and general



support. The students were encouraged to focus on their coursework, prepare for competitive exams, and take part in research activities. Regular mentoring sessions were held to address their doubts and help them progress in both academic and professional aspects. A key aspect of mentoring was motivating students to prepare for CSIR-NET, GATE, and other competitive exams. Students were also advised to plan their project work early. The mentoring process has helped students stay focused on their academic and research goals.

## **XII. INTERNAL EVALUATION & REMEDIAL CLASS**

### **Internal Evaluation**

The internal evaluation process was carried out in a continuous and comprehensive manner to ensure consistent academic monitoring. A combination of Google tools, the 'NECTTOS' app, and traditional evaluation techniques were used to maintain transparency and effectiveness throughout the assessment process.

### **Remedial classes**

Based on the insights gained from internal assessments, remedial classes were organized to support students needing additional academic assistance. These sessions incorporated experiential and interactive teaching strategies to foster better comprehension and active participation.

## **XIII. FACULTY PARTICIPATION OF FDP/SEMINAR/ WORKSHOP**

<b>FACULTY NAME</b>	<b>SEMINAR/ WORKSHOP /FDP</b>	<b>TITLE</b>	<b>ORGANIZER</b>
Ms. Neeraja Krishna	FDP	Ethics and Values for Teaching Professionals and Administrators	Rani Anna Government College for Women, Tirunelveli & Globethics Academy, Geneva, Switzerland





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Dr. Muhammed Sabeer N A	FDP	Density Functional Theory (DFT) Calculations Using Quantum Espresso	Vidyothini Edutech Pvt. Ltd. Karnataka
	FDP	Outcome Based Education and Application of Generative AI in Teaching and Research	The University of Engineering & Management Jaipur, Rajasthan and Nirmala College, Muvattupuzha, Kerala in association with ipsr Solutions Limited
	FDP	Innovative Teaching and Administration: FDP on OBE, AI, and AMS	Internal Quality Assurance Cell (IQAC), WMO Arts and Science College, Muttill, Wayanad, Kerala

#### **XIV. ONGOING RESEARCH ACTIVITIES OF THE FACULTY MEMBERS**

- Dr. Biju K.G. is actively engaging in experimental astronomy research and mentors undergraduate and postgraduate students on projects both at the college and in other institutions. He published a research paper in the Journal of Astrophysics and Astronomy.
- Dr. Sirajudheen K.K conducts theoretical research in High Energy Physics and mentors undergraduate and postgraduate students on projects related to this field.
- Dr. Muhammed Sabeer N.A is actively pursuing experimental and computational research on thermoelectric thin films for converting heat energy into electrical energy with ongoing publication work and mentors undergraduate and postgraduate students on related projects.
- Mr. Hashim N.K. is currently pursuing his Ph.D. in Non-linear Optics. He has completed the coursework examination and is actively engaged in the literature review phase. Alongside his research, he also mentors undergraduate and postgraduate students on related academic projects.



- All other faculty members actively engage in mentoring and supervising undergraduate and postgraduate projects.

#### PAPER PUBLICATION

- ✚ Raj, C.H. I-Chandra, T.P. Sudheesh, **K.G. Biju** & J. Jacob, *A method for identification of restarted radio sources from large radio surveys*, J. Astrophys. Astr. 46 (2025) 0007. <https://www.ias.ac.in/article/fulltext/joaa/046/0007>

### **XV. FACULTIES ENGAGEMENTS IN THE CORPORATE LIFE OF THE COLLEGE**

NAME OF THE FACULTY	NAME OF THE BODY / CELL	ROLE PERFORMED
Dr. Biju K G	IQAC	Steering Committee Member
	Basic Amenities Cell	Member
Mr. Hashim N K	Department	H.O.D
	Basic Amenities Cell	Coordinator
	College Council	Member
	Planning Board	Member
Dr. Sirajudheen K K	IQAC	Assistant Coordinator
	IQAC Criteria-2	Coordinator
	PG Dias	Assistant Coordinator
	Software & Website Committee	Member
	Research Forum	Member
	Library Advisory Committee	Member
	PR Team	Member
Dr. Muhammed Sabeer N A	NAAC Criteria-2 Team	Member
	UG Admission Committee	Member
	Time Table Committee	Member
Mr. Nithin Soman P	Discipline Committee	Member
Ms. Neeraja Krishna	UG Admission Committee	Member



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## **XVI. CHARGES OF DEPARTMENTAL ACTIVITIES**

RESPONSIBILITY	COORDINATOR/RESPONSIBLE PERSON
IQAC Coordinator	Dr. Sirajudheen K K
Department Library	Mr. Hashim N K.
Alumni Coordinator	Dr. Muhammed Sabeer N A
FYUGP Coordinator	Dr. Muhammed Sabeer N A
Magazine Editor	Ms. Nahla K
Arts Coordinator	Ms. Neeraja Krishna
Honesty Shop In-Charge	Ms. Neeraja Krishna
UG Course Coordinator	Mr. Hashim N K.
PG Course Coordinator	Mr. Nidhin Soman P
I <sup>st</sup> Year UG Tutor	Dr. Muhammed Sabeer N A
II <sup>nd</sup> Year UG Tutor	Mr. Hashim N K.
III <sup>rd</sup> Year UG Tutor	Dr. Biju K G
I <sup>st</sup> Year PG Tutor	Ms. Nahla K
II <sup>nd</sup> Year PG Tutor	Mr. Nithin Soman P
Association Activity Coordinators	All teachers (on a monthly rotation basis)

## **XVII. ALUMNI ACTIVITIES**

- The Department of Physics, in collaboration with the Alumni Association, proudly organized a special lecture series to honour Dr. Biju K. G. for his outstanding contributions to the field of physics and to the academic community. This event served as a platform for intellectual exchange while paying tribute to Dr. Biju's remarkable achievements and enduring legacy.
- The Department of Physics at WMO Arts and Science College, Muttill successfully organized the International Conference on Advances in Physics and Applied Physics (ICAPAP-2025) featuring exclusively alumni speakers on February 6–7, 2025, in collaboration with the Kerala State Higher Education Council and the





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WMOC Physics Alumni Association. The event brought together national and international physics alumni experts to share research and insights in various branches of physics and also served as a heartfelt tribute to Dr. Biju K.G., who completed 30 years of distinguished service to the college as a teacher, researcher, IQAC coordinator, and academic mentor.

- The Department of Physics in association with physics alumni, WMO Arts & Science College, Muttill, successfully hosted the Grand Alumni Meet on the occasion of heartfelt farewell to Dr. Biju K G, a respected faculty member of the department and the Pearl Jubilee of the college, bringing together alumni from 30 years of both UG and PG programs.

### **XVIII. NCC/NSS/CLUBS/CELLS ACTIVITIES**

The students of the department have actively participated in various co-curricular and extension activities through platforms such as NCC, NSS, and different clubs and cells. Notably, some of our students held coordination posts in both the NCC and NSS units, displaying commendable leadership and organizational skills. A significant number of students from the department are also enrolled as NCC cadets and NSS volunteers. The department strongly encourages students to appear for NCC certificate examinations and take part in various Camps to develop discipline, patriotism, and a spirit of service. Appropriate support in the form of academic compensation and adjustments in attendance is provided to students involved in official functions, events, and camps organized by clubs and cells. This ensures they can contribute meaningfully without academic setbacks.

All participating students are reminded to carry forward the ethical values such as discipline, teamwork, social responsibility, and commitment—values that are consistently cultivated through these activities—into their personal and academic lives. A special orientation session was conducted for newcomers to familiarize them with the scope and benefits of these programs. The session aimed to encourage active



participation and make them aware of the opportunities available for personal growth and social contribution through these platforms.

## **XIX. BEST PRACTICES**

The department creates a supportive and ethical learning environment through several thoughtful practices. It collects used books from senior students and teachers, adding them to the department library and sharing them with students in need. This helps ensure everyone has access to important study materials. An honesty shop is also set up, where students can buy stationery and leave the payment in a collection box, encouraging honesty and responsibility. The department stays in regular touch with alumni, involving them in student support through mentorship, guest talks, and career advice. Teachers also maintain a friendly and open relationship with students, making it easy for them to ask questions and seek guidance, which supports both personal and academic growth.

## **XIX. DEPARTMENT ACTIVITIES**

The department has taken several initiatives to support both the academic advancement and personal development of its students. Cultural events, including celebrations of various religions, have been organized to encourage inclusivity and appreciation of diverse traditions. To help students learn about new and important topics, the department regularly arranged lectures on subjects that connect different fields. Debates and panel discussions gave students a chance to share their views and think deeply about current issues. The department also focused on teaching the importance of gender equality and human values. Through workshops and group activities of clubs and cells, students were encouraged to be kind responsible and respectful to others. The following activity report highlights the key activities of the department, showcasing its commitment to giving students a well-rounded education that supports academic success and personal development.

**ACTIVITY REPORT 2024-25**  
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## 1. Send-off for UG-2021 Admission

The send-off function for the UG-2021 admission batch of the Department of Physics, WMO College, was held on 29-06-2024 at the Physics Seminar Hall. The program was organized to honor and bid farewell to the outgoing students, celebrating their academic journey and the memories created during their time at the college. The event commenced with a warm welcome address by Ms. Nahitha U M, Joint Secretary of the College Students' Union. She set the tone for the day by expressing heartfelt wishes to the graduating batch. This was followed by an inspiring address by the Head of the Department, Mr. Hashim N. K, who appreciated the students' hard work, discipline, and contributions to the department.

Dr. Najmuddeen P, IQAC Coordinator, encouraged students to aim high in their academic pursuits, highlighting opportunities in premier institutions such as IITs and Central Universities. Senior faculty member Dr. Biju K. G. delivered a touching speech reflecting on the students' growth and accomplishments. Dr. Sirajudheen K. K. shared valuable advice on the importance of



continuing higher education and fondly recalled shared memories from departmental tours. All other faculty members conveyed their best wishes for the future success of the students. Representing the outgoing batch, monitors Ms. Devika and Ashique, along with other students, delivered emotional responses, expressing gratitude to the teachers, administration, and peers for their constant support and encouragement throughout their academic life. The program concluded with a vote of thanks by Dr. Muhammed Sabeer N. A., Tutor of the batch, who thanked everyone who contributed to making the students' journey memorable. The event was attended by 64 participants and was a heartfelt and joyous occasion that marked the end of an important chapter in the lives of the graduating students.

## 2. Five Days Orientation for Four Year Under Graduate Program

The college organized a centralized orientation camp for all first-year FYUGP students, which included the live telecast of the state-level FYUGP inauguration, *FYUGP Vijnanolsavam 2024*, inaugurated by Hon. Chief Minister Pinarayi Vijayan. The central program also featured college-level inauguration ceremonies, insightful talks, and interactive sessions with eminent personalities from various educational sectors. In addition to this, the Department of Physics conducted a focused department-level orientation tailored to its incoming students for five days. This program introduced students to the department's academic environment, potential research avenues, and interdepartmental collaborations. It also offered lab visits across multiple departments and familiarization with minor and MDC (Multidisciplinary Courses) options for students from other streams. Various sessions were led by senior faculty, Dr. Biju K G, Head of the Department, Mr. Hashim N K, IQAC Department Coordinator, Dr. Sirajudheen K K, and FYUGP Department Coordinator, Dr. Muhammed Sabeer N. A.

### DAY-1: Sessions- 8<sup>th</sup> July, 2024

The sessions began at 09:30 AM with a warm **Welcome** led by the senior faculty having 30 years of experience, Dr. Biju K G. This was followed by a **comprehensive College Overview** delivered by Dr. Sirajudheen K K, highlighting the institution's history, mission, and academic environment. Dr. Muhammed Sabeer N A, provided a detailed **Department Overview**, focusing on the Physics curriculum, research opportunities, laboratory infrastructure, alumni achievements and student support mechanisms. After a short tea break, the students actively engaged in **icebreaking activities**, designed to foster interaction, teamwork, and a sense of

community among the new batch. The orientation was well-received, and the students expressed enthusiasm about their academic journey ahead. The session concluded with positive feedback and a shared sense of excitement for the new academic chapter. A total of **15 students** participated.

### DAY-2: Sessions- 9<sup>th</sup> July, 2024

The day began with an insightful session on "**About Physics Discipline**" delivered by Dr. Biju K G. The session emphasized the relevance of physics in everyday life, its interdisciplinary nature, and the scope it offers in academics, research, and industry. Dr. Biju elaborated on the evolution of physics, current trends, and the importance of a strong conceptual foundation during undergraduate studies. Students were encouraged to develop a curious and analytical mindset to make the most of their academic journey. Following this, a session was held on the **Clubs and Cells at the College**. Students were introduced to the various active clubs and cells functioning on campus, including the Quiz Club, Bhoomithrasena Club, Innovation & Entrepreneurship Development Cell (IEDC), Women's Cell, NCC, NSS, etc. The student coordinators highlighted the importance of extracurricular involvement in shaping a well-rounded personality and enhancing teamwork, leadership, and social responsibility among students. A total of **18 students** participated.

### DAY-3: Sessions- 10<sup>th</sup> July, 2024

On the third day of the FYUGP Orientation Programme organized by the Department of Physics, a series of engaging sessions were conducted to help newly admitted students transition smoothly into their academic journey. The day began with **an interactive session led by the Head of the Department**, Mr. Hashim NK, who warmly welcomed the students and introduced them to the department's academic vision, faculty members, and opportunities available within the field of Physics. He emphasized the importance of curiosity-driven learning, interdisciplinary exploration, and the research potential offered under the Four-Year Undergraduate Programme (FYUGP) aligned with the National Education Policy (NEP) 2020. After a short tea break, the students participated in a guided **visit to the Computer Laboratory**, where they were familiarized with the department's digital infrastructure, software tools used in physics simulations and research. The session highlighted the department's commitment to hands-on, tech-enabled learning and ensured that students felt both welcomed and academically equipped. A total of **19 students** participated.



#### DAY-4: Sessions- 11<sup>th</sup> July, 2024

On the fourth day of the FYUGP Orientation Programme, students were introduced to key interdisciplinary aspects of the new academic structure under the Four-Year Undergraduate Programme. The day began with a detailed session by Dr. Sirajudheen K K on **the concept of Minors**, where students were given an in-depth explanation of how minors function as complementary academic subjects to their major. He elaborated on the importance of selecting a minor that aligns with their interests and future goals, highlighting the flexibility and interdisciplinary learning opportunities offered by the FYUGP framework. After the tea break, students engaged in a series of **interdepartmental visits**, providing them with first-hand exposure to other departments and their facilities. These visits included guided tours to the **Computer Science Lab, Chemistry Lab, and Electronics Lab**, offering insights into the practical resources available for potential minor selections. Following lunch, the interdepartmental visits continued with an open interaction session that included a visit to the **college library**, where students were introduced to physical academic resources. This was followed by a visit to the **mass communication studio**, a well-equipped space showcasing the creative and technical possibilities for students interested in communication and media. The open interaction segment encouraged questions and discussions, allowing students to clarify their doubts and better understand how different disciplines integrate under the FYUGP model. A total of **21 students** participated.

#### DAY-5: Sessions- 12<sup>th</sup> July, 2024

The fifth and final day of the FYUGP Orientation Programme organized by the Department of Physics was designed to provide students with a forward-looking perspective on their academic journey, highlighting future opportunities and encouraging self-reflection. The day commenced with a session led by the Head of the Department, Mr. Hashim NK, who spoke on **the significance of the fourth year of the FYUGP**, which is dedicated to advanced learning, research, and specialization. He emphasized how the final year serves as a culmination of the students' academic efforts, offering options for honors projects, research work, and career-aligned exploration. Following this, Dr. Muhammed Sabeer NA delivered an insightful session titled **"Deep into Research and Other Opportunities"**, where he introduced students to various avenues such as undergraduate research projects, internships, academic publishing, and collaborations beyond the classroom. He also highlighted the importance of developing a

research mindset early in the course. The final session was a **goal-setting and open discussion forum**, where students actively engaged in one on one and group conversations with all faculty members of the department. This session encouraged students to reflect on their aspirations, discuss their academic interests, and receive personalized guidance on how to align their goals with the opportunities offered by the department and the FYUGP framework. In the afternoon, students attended the **FYUGP Special Orientation** as part of the **centralized orientation program organized by the college**. This session was led by the FYUGP College Coordinator, Dr. Nobert Thomas Pallath, who provided a comprehensive overview of the program's structure, interdisciplinary opportunities, and the long-term academic vision under the National Education Policy (NEP) 2020. A total of **14 students** participated.



The five-day FYUGP Orientation Programme successfully introduced first-year students to the academic, infrastructural, and interdisciplinary strengths of the college and the Department of Physics. It provided a well-balanced mix of centralized sessions and department-level engagements, fostering both institutional belonging and subject-specific understanding.

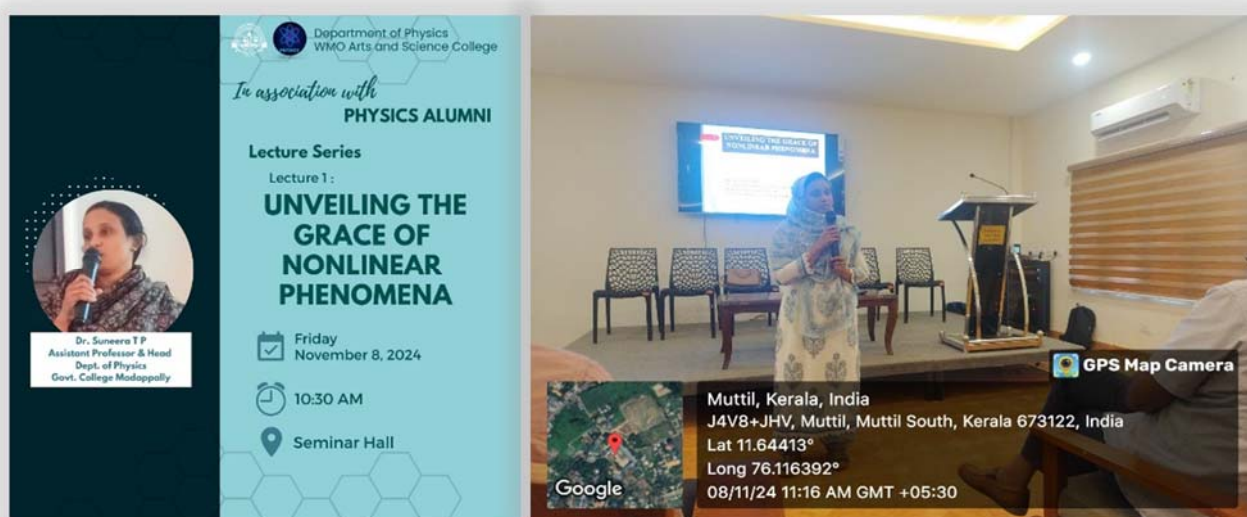
Students gained valuable insights into the structure of the Four-Year Undergraduate Programme, including research opportunities, minor selection, and career-aligned learning. Interactive activities, lab visits, and faculty-led discussions enhanced student confidence and created a strong foundation for academic success. Overall, the orientation set a positive and inspiring tone for the students' undergraduate journey under the NEP 2020 framework.

### 3. Alumni Lecture Series

The Department of Physics, in collaboration with the Alumni Association, proudly organized a special lecture series to honour **Dr. Biju K. G.** for his outstanding contributions to the field of physics and to the academic community. This event served as a platform for intellectual exchange while paying tribute to Dr. Biju's remarkable achievements and enduring legacy.

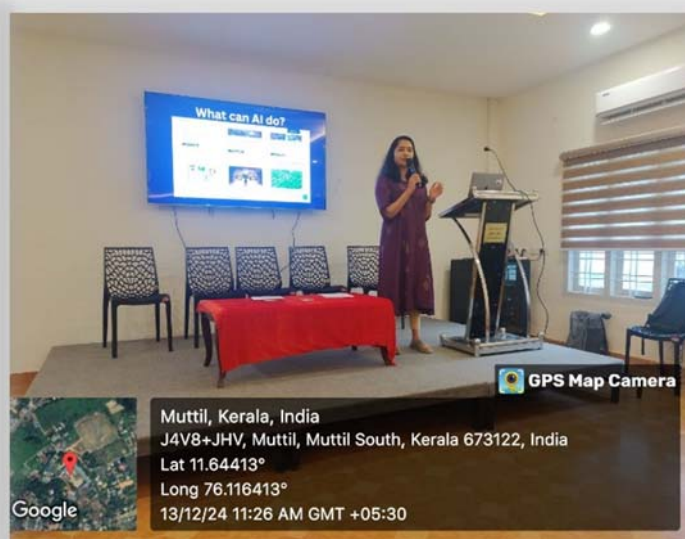
#### LECTURE-1: *Unveiling the Grace of Non-Linear Phenomena*

On November 8, 2024, the Physics Department, in association with the Physics Alumni, organized a lecture titled "*Unveiling the Grace of Non-Linear Phenomena*". The event, held at 10:30 AM in the seminar hall, featured Dr. Suneera T. P., Professor and Head of the Physics Department at Government College Madappally, as the resource person. Dr. Suneera delivered an engaging session on the complexities of non-linear systems, covering topics such as chaos theory, bifurcation, and the real-world applications of non-linear phenomena in fields like fluid dynamics, climate modelling, and biology. The lecture was followed by an interactive Q&A session, allowing students to deepen their understanding. The event fostered valuable networking opportunities between current students and alumni, creating a collaborative academic environment that inspired further interest in non-linear physics.



## LECTURE-2: Artificial Intelligence in Space Exploration

Department of Physics, in collaboration with the Alumni Association, organized a prestigious lecture series on 13th December 2024 at 10:30 AM in the Seminar Hall. As part of the event, an enlightening lecture was delivered on the topic "Artificial Intelligence in Space Exploration" by Dr. Aleena Baby, Lecturer in Artificial Intelligence and Machine Learning at Fresenius Technical University, Cologne. Dr. Aleena captivated the audience with her insightful presentation, which highlighted the integration of AI technologies in various aspects of space missions from autonomous navigation and robotics to data analysis and anomaly detection in spacecraft systems. Her lecture underscored the transformative role of AI in enhancing the efficiency, safety, and success rate of modern space exploration initiatives. The session was attended by faculty members, alumni, and students from various disciplines, who actively participated in the interactive discussion that followed.



## LECTURE-3: Role of Ocean in Climate Change

On March 3<sup>rd</sup>, 2025, the Physics Department organized a lecture featuring Dr. Anil Kumar K, a renowned scientist from the Ocean Science Group on the topic "Role of Ocean in Climate Change". The event, held at 10:30 AM in the seminar hall, focused on the latest advancements in ocean science and the critical role of physics in understanding oceanic processes. Dr. Anil Kumar delivered an insightful presentation on ocean dynamics, climate change, and the technologies used in marine research. His talk provided valuable knowledge on the intersection of physics and oceanography, highlighting both current challenges and future research



directions. The session was well-received by students and faculty, followed by a Q&A that encouraged further exploration of ocean sciences.

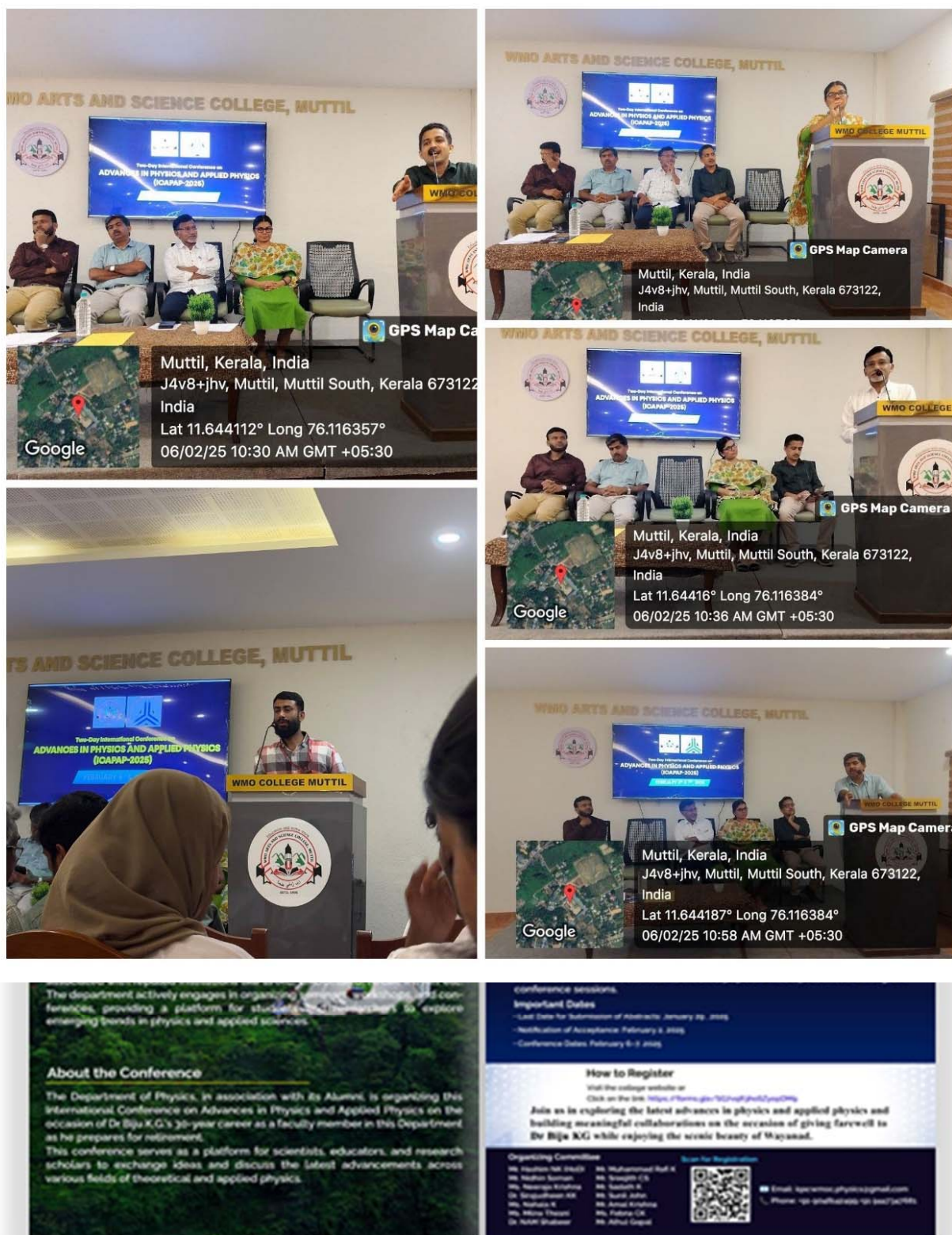


#### 4. International Conference on Advances in Physics and Applied Physics (ICAPAP-2025)

The Department of Physics at WMO Arts and Science College, Muttill, successfully organized the **International Conference on Advances in Physics and Applied Physics (ICAPAP-2025)** on **February 6–7, 2025**, in collaboration with the **Kerala State Higher Education Council** and the **WMOC Physics Alumni Association**. The event brought together national and international experts to share research and insights in various branches of physics and also served as a heartfelt **tribute to Dr. Biju K.G.**, who completed 30 years of distinguished service to the college as a teacher, researcher, IQAC coordinator, and academic mentor.

##### Inaugural Session-6<sup>th</sup> February, 2025

The conference commenced with a solemn inaugural session. The college choir led the prayer, followed by a **welcome address by Dr. Muhammed Sabeer N.A.**, Convenor of ICAPAP-2025. **Mr. N.K. Hashim**, Head of the Department of Physics, delivered the **presidential address**, and **Dr. Viji Paul**, Principal of the College, highlighted the department's legacy and growth. The inaugural address was given by Dr. Joe Jacob, Visiting Associate at IUCAA, Pune, who emphasized the importance of interdisciplinary research in physics and paid rich tribute to Dr. Biju K.G. for his



multi-faceted contributions to teaching, research, and institution-building. Several other dignitaries also spoke fondly of Dr. Biju's work in quality assurance and mentoring. **Mr. K.T. Ashraf**, representing the College Management Committee, addressed the gathering, followed by felicitations by **Dr. P. Najmuddeen**, IQAC Coordinator. The session concluded with a **vote of thanks** by **Ms. Neeraja Krishna**, Assistant Professor, Department of Physics.

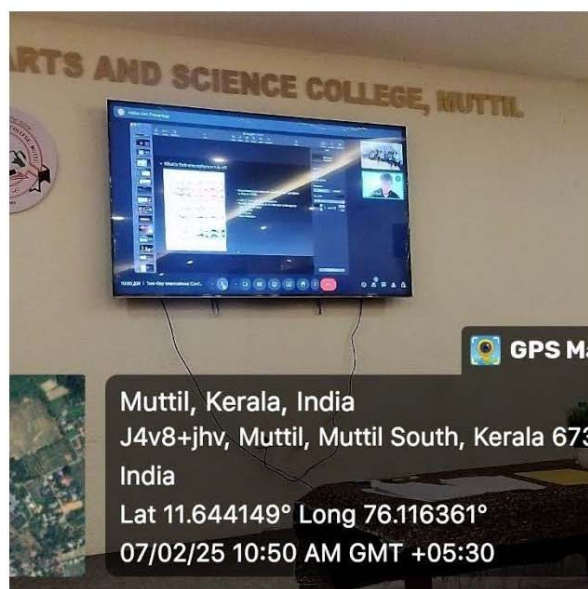
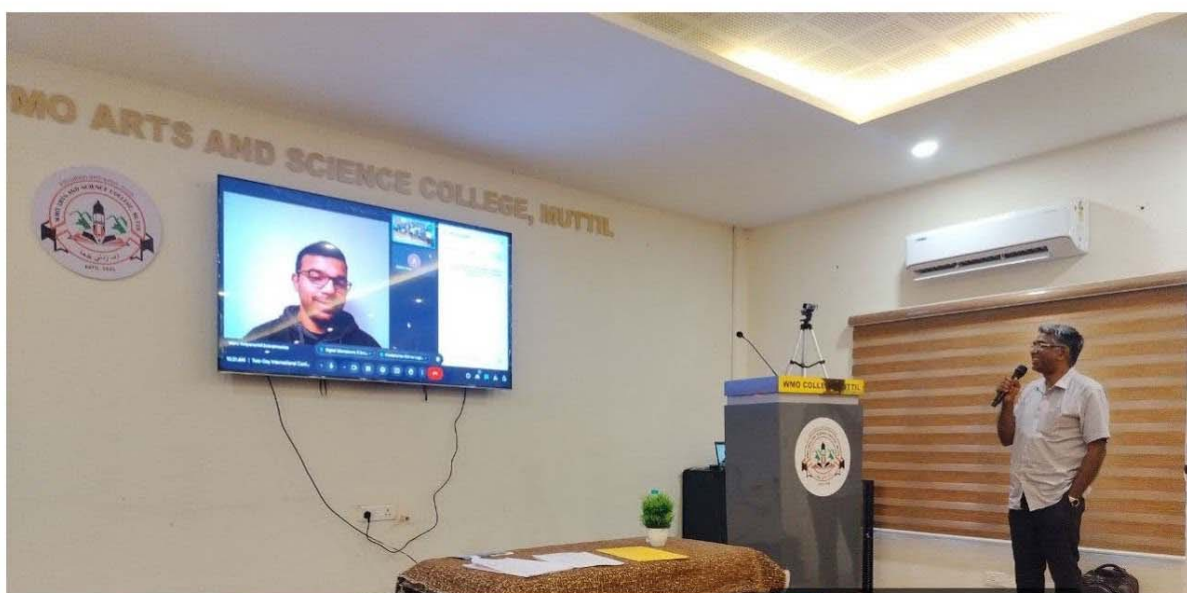


## Day 1: Technical Sessions-6<sup>th</sup> February, 2025

The first plenary talk was delivered by **Dr. Joe Jacob**, Visiting Associate at IUCAA and retired faculty of Newman College, on “*The Radio Universe*.” He provided a compelling introduction to radio astronomy, tracing its development from early observations to its modern scientific relevance. His talk set the tone for the conference, emphasizing how physics continues to shape our understanding of the cosmos.



Next, **Dr. Jalisha T Kallingal** from Lund University, Sweden, presented “*Climate Change: Why and How Do We Care?*” Drawing from recent global research, she emphasized the role of physicists in tackling climate issues through policy, education, and interdisciplinary collaboration. Her talk resonated with the broader theme of applying physics to solve real-world challenges.

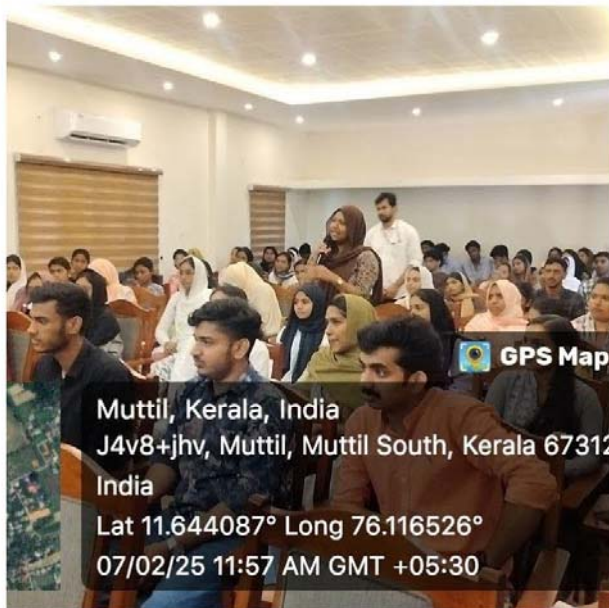


In the following session, **Dr. Aysha Muhsina K** (Government Arts and Science College, Calicut) discussed *“Non-Linear Systems with Parity-Time Symmetric Potential.”* Her presentation offered insights into emerging areas in quantum theory, particularly the implications of symmetry and non-Hermiticity in advanced systems.

After the lunch break, **Dr. Baiju K.B.** (NMSM Government College, Kalpetta) delivered a session on *“Intelligent Robotics: The Role of AI in Autonomous Space Exploration.”* He explored the interplay between robotics, artificial intelligence, and space missions, and shared case studies that illustrated current trends in autonomous navigation and decision-making systems. This was followed by a virtual talk by **Mr. Manikantan P.E.**, Scientist at ISRO, Hassan, who spoke on *“GEO Satellite Applications.”* His presentation focused on the relevance of geostationary satellite



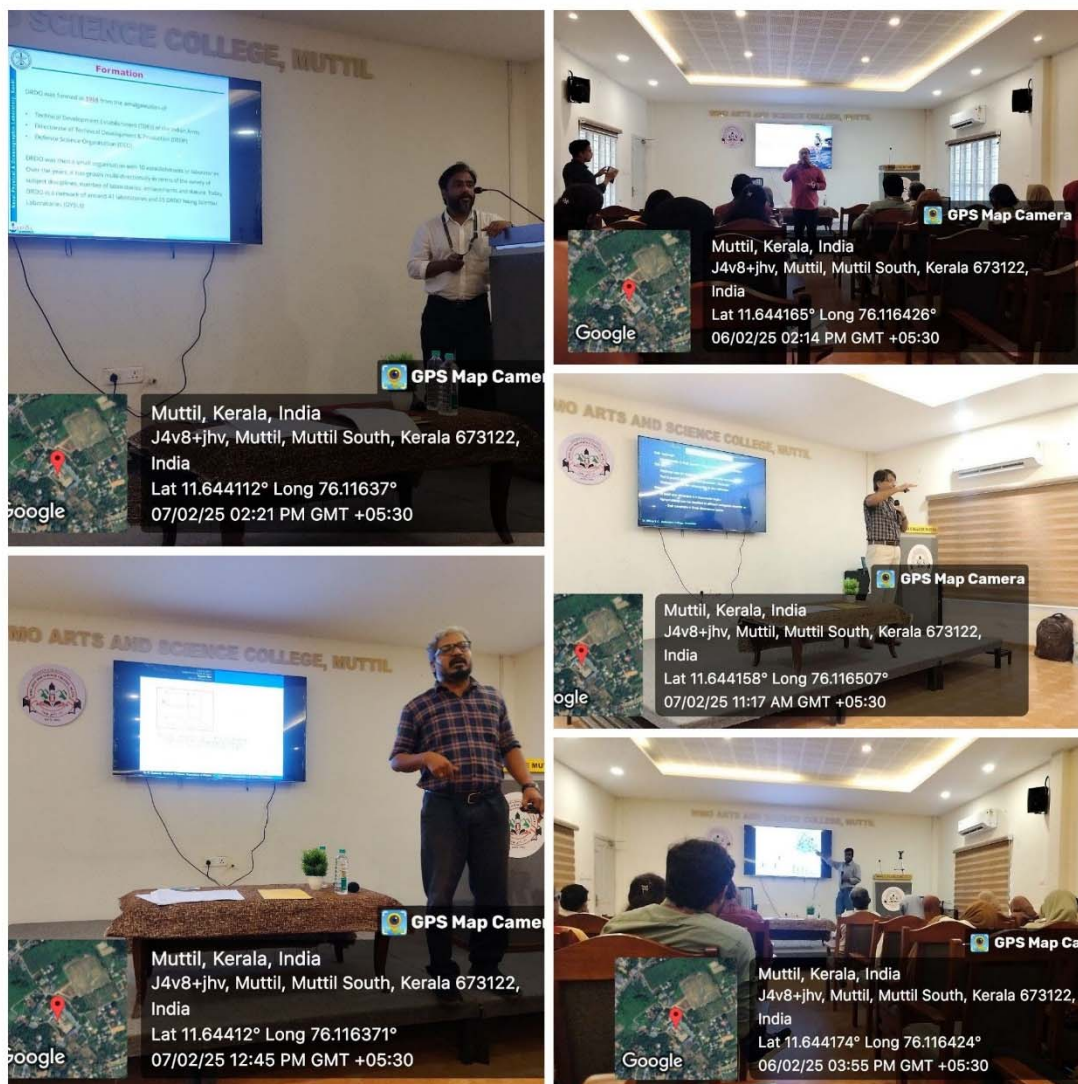
systems in weather forecasting, communications, and disaster management, and how such technologies are becoming increasingly integral to everyday life.



The final session of the day featured **Dr. Muhammed Shanid N.A.** (Sullamussalam Science College, Areekode), who presented *“Interdisciplinary Approaches in Material Science.”* Highlighting case studies from nanoscience, energy materials, and soft matter physics, he underscored the importance of collaborative research across traditional scientific domains.

## Day 2: Technical Sessions-7<sup>th</sup> February, 2025

The second day began with a virtual presentation by **Mr. Manu Veliparambil Subrahmanian**, Senior Researcher at the University of Minnesota, on “*Artificial Intelligence in RF Pulse Design.*” He explored AI-driven design strategies in magnetic resonance imaging (MRI) and high-resolution NMR, bridging physics and biomedical innovation.



Following this, **Dr. Athira Unni**, Post-doctoral Fellow at the University of California, delivered a session on “*Characterizing Exoplanet Atmospheres Through Transit Spectroscopy.*” She introduced participants to state-of-the-art space missions and the methods used to infer atmospheric composition and habitability of exoplanets. **Dr. Wilson K.C.** (Maharaja’s College, Ernakulam) delivered an engaging talk on “*Nanomaterials for Solar Energy Conversion.*” He highlighted recent advances in photovoltaic technologies and how nanostructures are being tailored to improve efficiency and affordability in clean energy solutions.

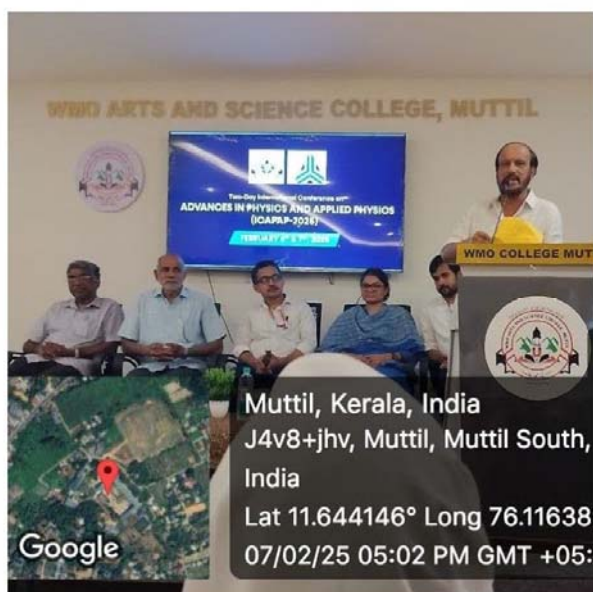


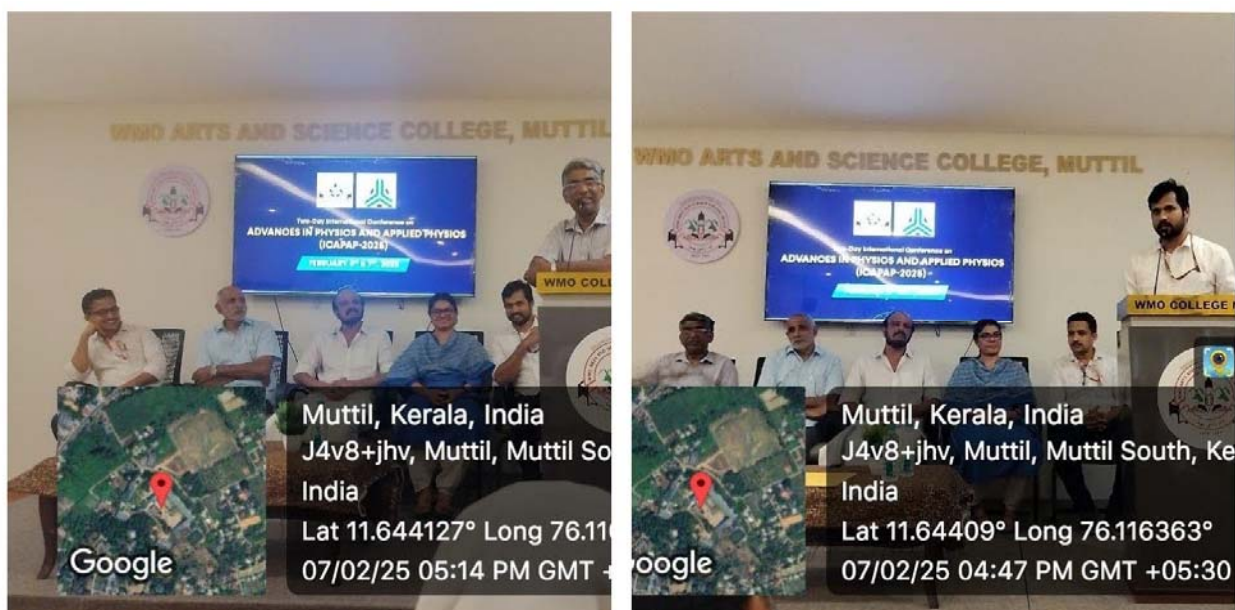
After a tea break, **Dr. Satheesh B** (MG Government Arts and Science College, Mahe) presented *“An Introduction to Nuclear and Nuclear Astrophysics.”* His session provided an accessible overview of fusion, fission, and stellar nucleosynthesis, connecting nuclear physics with astrophysical phenomena and space research. In the following session, **Mr. Linthish P**, Scientist at NPOL-DRDO, Kochi, presented *“DRDO and Indian Defence Technology.”* He walked the audience through various defense innovations rooted in applied physics, including stealth technologies, underwater communication systems, and sensors.

The penultimate talk was delivered by **Dr. Najeeb Punnakayathil** from NASA Ames Research Centre, USA, who presented virtually on *“Laboratory Astrophysics: Probing Early Formation of Molecules.”* He explained how laboratory techniques are used to simulate and study molecular processes in interstellar space, contributing to our understanding of cosmic chemistry. The final technical session of the conference was delivered by **Dr. Biju K.G.**, whose presentation *“Introduction to Amateur Astronomy”* was both technical and personal. Sharing anecdotes from his career and passion for understanding cosmos, he illustrated how amateur astronomy serves as a gateway to scientific curiosity and public engagement.

### Valedictory Session-7<sup>th</sup> February, 2025

The **valedictory session** began at 4:10 PM. **Dr. Sirajudheen K.K.** offered the welcome, and **Dr. Viji Paul**, Principal, presided. **Mr. Abdul Kadher P.P.**, President of WMO College, formally inaugurated the closing ceremony. **Dr. Thomas Thevara**, Head of the Department of Chemistry, felicitated Dr. Biju K.G., recognizing his academic excellence, mentorship, and contributions across various institutional roles.





Dr. Biju K.G. was formally honored by the organizing committee, and participants shared their reflections on the conference experience. The event concluded with **certificate distribution**, **concluding remarks by Mr. N.K. Hashim**, and a **vote of thanks by Mr. Nidhin Soman**. The National Anthem marked the official end of the conference.

## 5. Magneto Meet '25: Grand Alumni Get-Together

The Department of Physics in association with physics alumni, WMO Arts & Science College, Muttill, successfully hosted the **Grand Alumni Meet** on the occasion of the **Pearl Jubilee** of the college, bringing together alumni from **30 pass-out batches** of both UG and PG programs. The event also served as a heartfelt **farewell to Dr. Biju K G**, a respected faculty member, with over **250 participants** in attendance.

The program commenced at 9:00 AM with registration, followed by a prayer and a warm welcome speech by Mr. Muhammed Rafi K.E., the program coordinator. The presidential address was delivered by Mr. Hashim N.K., Head of the Department, followed by an inaugural speech by Mr. Samshad Marakkar from the Wayanad District Panchayat. A significant highlight of the event was the launch of the Physics Alumni logo, marking a new chapter of connectivity and collaboration among former students. The honouring ceremony was followed by an emotional farewell speech by Dr. Biju K G, whose contributions to the department were fondly acknowledged. Felicitations were offered by Adv. Moidu (Convener), Dr. Viji Paul (Principal In-Charge), and former teachers; Mr. Hameed, Dr. Mathew and Dr. Padmakumar expressing gratitude and admiration for Dr. Biju's service. The academic spirit of the event continued with a



project presentation by Ms. Sithara, showcasing great movement to support the students of the department.

The meet also featured a cultural programme, fostering a nostalgic and joyous atmosphere. A photo session, vote of thanks, and lunch followed, leading to a batch-wise meetup session post-lunch that allowed alumni to reconnect and reminisce. This memorable gathering not only celebrated the 30-year journey of the Department of Physics but also strengthened the alumni network, setting the tone for future collaborations and engagements.





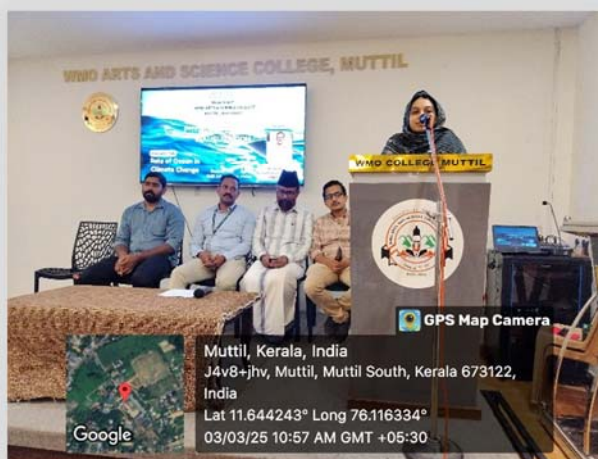




## 6. Association Inauguration

The Physics Association Inauguration at WMO Arts & Science College, Muttill, was successfully held on March 3, 2025, in the College Seminar Hall. The event featured Dr. Anil Kumar K, a distinguished scientist from the Ocean Science Group, NPOL DRDO, Kochi, who delivered an inspiring inaugural talk that captivated students and faculty alike.

The program began with a warm welcome address by Ms. Riya Fathima M K, Association Secretary, followed by the presidential address from Mr. Hashim N K, Head of the Department of Physics, who emphasized the importance of scientific curiosity and collaboration. Felicitations were extended by Dr. Yoosuf V K, Senior Faculty of the Department of Arabic, and by Ms. Nahla K and Mr. Nithin Soman, faculty members from the Department of Physics, each highlighting the relevance of such academic platforms. The event concluded with a sincere vote of thanks delivered by Ms. Amina Vidad, student of S2 Physics, expressing gratitude to the guests, faculty, and students for their participation and support. The inauguration marked a vibrant beginning to a new phase of academic and co-curricular activities within the department, setting a dynamic tone for the year ahead.



## 7. Achievers Day

On September 5, 2024, at 3:30 pm, the Achievers Day event took place in the Seminar Hall. Dr. Viji Paul, Principal, and Dr. Muhammed Shafeeq were the chief guests. The event recognized and celebrated the accomplishments of students and faculty, with the guests addressing the gathering and honoring the achievers.



**DEPARTMENT OF PHYSICS**  
**WMO ARTS AND SCIENCE COLLEGE MUTTIL**

*Achievers' Day 2024-25*  
**HONOURING UNIVERSITY EXAMINATION TOPPERS IN  
BSC AND MSC PHYSICS PROGRAMS**

*BSc Physics*

 <b>AMAL KRISHNA</b> CGPA-8.5	 <b>ATHUL GOPAL</b> CGPA-8.2	 <b>SAFDAR HASHMI</b> CGPA-7.7
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*MSc Physics*

 <b>AMRUTHA RAJAN</b> CGPA-3.51	 <b>FIDHA SHARIN</b> CGPA-3.33	 <b>SREELAKSHMI VP</b> CGPA-3.17
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 **05-09-2024 THURSDAY**  
2.30 PM

 **SEMINAR HALL**

 **WMO ARTS & SCIENCE COLLEGE, MUTTIL, WAYANAD - 673 122**  
Re-Accredited with Grade "A" by NAAC, Affiliated to the  
University of Calicut



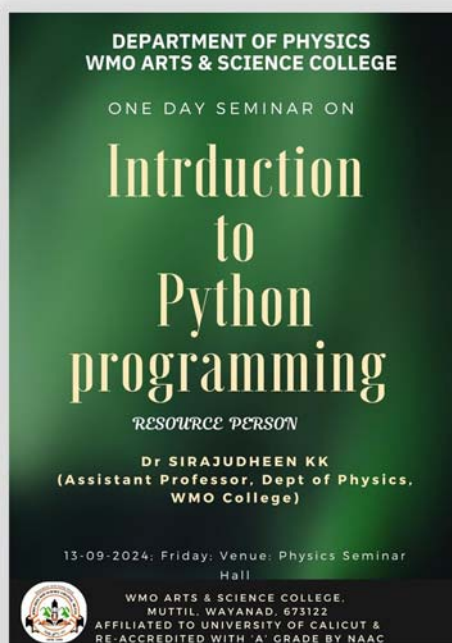


## 8. Career Orientation Program

On 17-12-2024, the Department of physics, in collaboration with the Benzil Institute, Thiruvambady, Calicut, organized a career orientation program to enlighten students about IIT entrance preparations and motivational insights from successful aspirants. Mr. Ramshad (PhD Scholar-IIT Madras), Mr. Abdul Rahim (MSc Mathematics--IIT Madras), Ms. Hari Chandana and Ms. Fidha (MSc. Chemistry--IIT Madras) were the top performing students from the institute and they motivates the students through success stories and personal experience. They discussed about the daily routines, study habits and time management strategies. Around 60 students were actively participated in the program including from other departments such as mathematics, chemistry, and electronics. The main objective of the program is to provide expert guidance on cracking competitive exams.

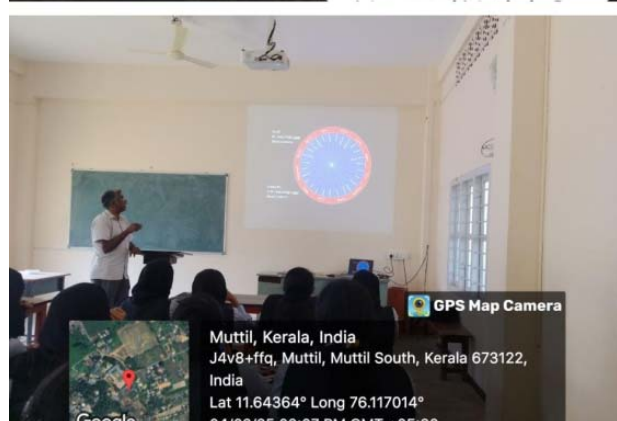
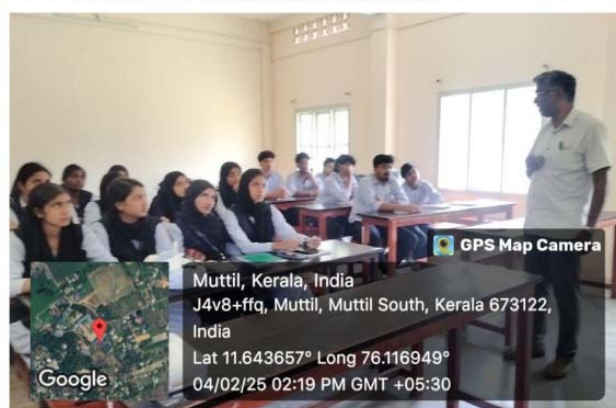
## 9. Seminar on Introduction to Python programming

A one-day seminar titled “Introduction to Python Programming” was conducted by the Department of Physics, WMO Arts and Science College, on 13th September 2024 in the Physics Seminar Hall. The session was led by Dr. Sirajudheen KK, Assistant Professor, Department of Physics, WMO College, who served as the resource person. The seminar was attended by undergraduate students from both the Department of Physics and the Department of Electronics. The session covered the basics of Python programming and aimed to provide a foundational understanding of coding for science students.



## 10. Familiarizing with MDC: Basics of Astronomy and Stargazing

The Department of Physics conducted a session “Familiarizing with MDC: Basics of Astronomy and Stargazing” for first year FYUG Students on 04-02-2025, to understand foundational astronomical concepts. Dr. Biju KG (Associate Professor, Department of Physics & Visiting Associate, IUCAA, Pune) hosted the program. The program was attended by 20 students from various departments, reflecting a broad interest in Astrophysics.



## 11. Appreciating Excellence: Tea with Team Mathematics

On September 10, 2024, a tea event was organized to appreciate the efforts of teachers in the Department of Mathematics for their remarkable student achievements. Teachers from both the Physics and Mathematics departments attended, fostering a sense of camaraderie and appreciation among colleagues. The event expressed gratitude and acknowledged the hard work and dedication of the Mathematics department teachers in guiding their students to achieve success.



## 12. Panel Discussion on Hema Committee Report

On September 9, 2024, a panel discussion was held in the afternoon at Physics seminar hall, moderated by Sriji Poovathinkal from the Department of Mass Communication. The discussion centered around the Hema Committee Report, shedding light on the challenges faced by women in the film industry. About 30 students participated, making it an engaging and productive session.





### 13. Observance of National Space Day

The Department of Physics celebrated National Space Day on 23-08-2024 with great enthusiasm and intellectual engagement. The theme for this year, “Touching Lives While Touching the Moon: Indian Space Saga,” paid tribute to India's extraordinary journey in space exploration and its growing impact on everyday life. The program commenced with a warm welcome address by Mr. Hashim N K, Head of the Department of Physics, who emphasized the importance of space science in national development and the inspiration it provides to young minds. This was followed by the introduction of the guest speaker by Dr. Biju K G, Senior Faculty of the department. He gave a brief yet insightful background of the speaker, highlighting his contributions and relevance to the theme of the day. The session also included felicitations by Dr. Najmuddeen P, IQAC Coordinator, and Ms. Nahitha U M, Joint Secretary of the College Students’ Union, who both appreciated the Department's initiative and acknowledged the value such events bring to the student community.





The highlight of the event was the invited talk by Mr. Elias K P, titled “Sourayoodham Thandiya Manushyar”. The talk captivated the audience with a fascinating narrative of India's space saga—from its humble beginnings to its remarkable milestones, including lunar missions and beyond. His thought-provoking insights stirred curiosity and admiration among the students and faculty alike. The event concluded with a heartfelt vote of thanks by Mr. Muhammed Nuvaisir, Monitor of D1 Physics, who expressed gratitude to the guest speaker, dignitaries, faculty members, and all participants for making the observance of National Space Day a memorable and inspiring occasion. This celebration served as a tribute to India's space ambitions and a reminder of how space science continues to touch lives while reaching for the stars.

## 14. Observance of ‘JAMAL Sahib’ Remembrance Day

The Jamal Sahib Remembrance Day was observed with deep respect and heartfelt tributes at Department of Physics, commemorating one of the key founders of the Wayanad Muslim Orphanage on 19-12-2024. In his welcome speech, Dr. Biju K G gave a brief yet powerful account of Jamal Sahib’s unwavering dedication and the immense struggles faced during the early days of establishing the orphanage, highlighting his crucial role in the founding of WMO College as a beacon of education and hope. Ms. Sabira, an office staff member who knew Jamal Sahib from her childhood, fondly recalled his love, care, and gentle nature, portraying him as a

fatherly figure whose presence brought warmth and comfort to all around him. Mr. Hashim N K emphasized the significance of organizing such remembrance events, stressing how they serve to remind us of the values and sacrifices that laid the foundation of the institution. Notably, 25 final-year students actively participated in the program, adding youthful energy and sincere appreciation to the tribute. The event concluded with a heartfelt vote of thanks by Dr. Muhammed Sabeer N.A., who expressed gratitude to all participants and reaffirmed the importance of carrying forward the compassionate and visionary legacy of Jamal Sahib.



## 15. Onam Celebration

The Department of Physics, joyfully celebrated Onam on 12<sup>th</sup> September, 2024, at the Physics Seminar Hall. The program brought together students and faculty in a festive atmosphere filled with cultural bonding and traditional spirit. The celebration began with a welcome address by Ms. Nahitha U M, Joint Secretary of the College Students' Union, setting a warm and cheerful tone for the event. Dr. Biju K G, Senior Faculty, delivered a heartfelt Onam message, reflecting on the festival's values of unity, prosperity, and harmony. This was followed by a thoughtful address on the importance of celebrating festivals by Mr. Hashim N K, Head of the Department of Physics.

A unique highlight of the event was the exchange of Onam greeting cards between students of different batches, symbolizing friendship and shared joy. The program concluded with a vote of thanks by Mr. Muhammed Nuvaisir, student of S2 Physics, followed by a traditional Onam lunch, where everyone came together to enjoy the festive feast. The celebration served as a beautiful reminder of cultural heritage, fostering togetherness and festive cheer within the department.



## 16. Christmas Celebration

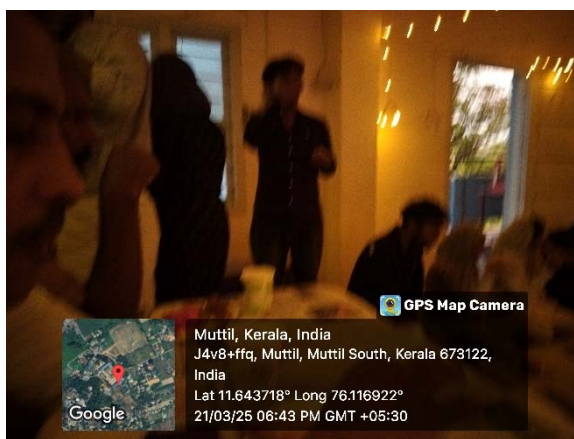
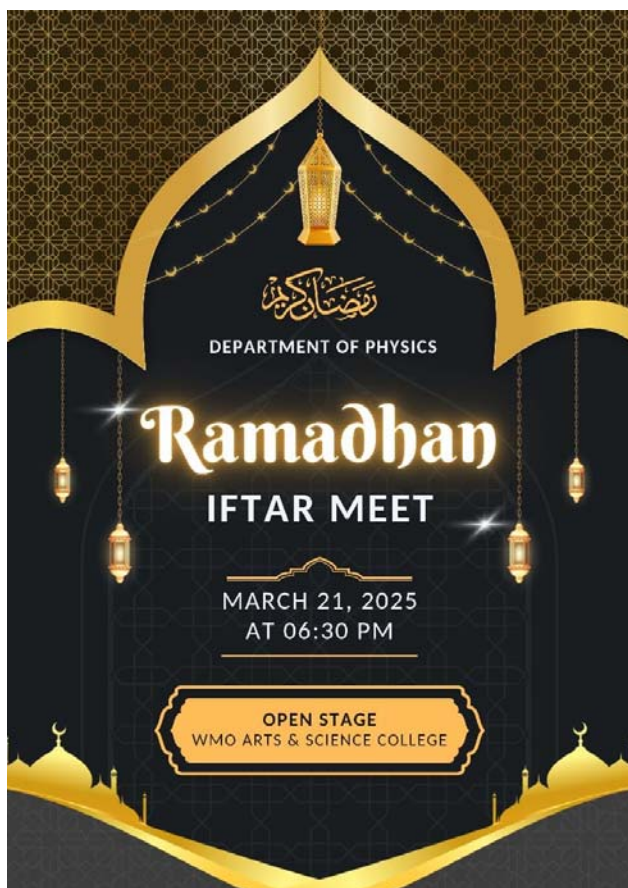
The physics Department celebrated Christmas on 20<sup>th</sup> December, 2024 with engaging both undergraduate and postgraduate students. The event commenced with a cake cutting ceremony. Senior faculty Dr. Biju K G delivered an inspiring message on emphasizing the spirit of Christmas and importance of togetherness.





## 17. Iftar Meet

On 21<sup>st</sup> March, 2025, The Department of Physics organized a heart-warming Iftar gathering that brought together whole staff members and students from both UG and PG. The event commenced with Maghreb prayer. Following the prayer Head of the Department Mr. Hashim N K delivered an inspiring message emphasizing the importance of community and collaboration within the department. All staff members and students enjoyed a diverse array of Iftar dishes together. After meal a brief but thoughtful talk was delivered by Dr. Biju K G. A few Students shared their thoughts and experiences during Ramadan. The Association secretary Ms. Riya shared words with appreciating the efforts of the organizing team and highlighting the importance of such gatherings. The evening concluded with a heartfelt vote of thanks by first year student Mr Donal Benny who expressed gratitude for the wonderful gathering and the opportunity to connect with peers and mentors.



## 18. PTA Meeting: UG SEMESTER-I

The PTA meeting for the newly admitted first year Physics students was conducted online via Google Meet on 12-08-2024. The meeting commenced with a welcome from Dr. Muhammed Sabeer N.A, Tutor of S1. He clarified the reason for conducting the meeting through the online mode. He highlighted the academic standards of the new students and their enthusiasm for the upcoming degree programme. He also noted the diversity among the parents, who come from various professional backgrounds and expressed optimism about leveraging this diversity to benefit the department, enhancing the learning experience and fostering a collaborative academic environment. Mr. Hashim N.K, the Head of the Department, delivered the presidential address. He provided an overview of the meeting agenda and reviewed the placement and career progression of the department's alumni.

Dr. Viji Paul, the Principal, introduced the new undergraduate Programme, FYUGP. She elaborated on the benefits of these new programme, which are designed to enrich the academic experience and provide students with more comprehensive knowledge and skills relevant to their future careers. Dr. Hemalatha, the PTA Secretary, explained the operational structure of the

college PTA. She outlined the working strategy of the PTA and the procedure for electing PTA council members and elected two council members. Dr. Hemalatha emphasized the role of the PTA in fostering communication between parents and the college, and in supporting the overall development of the students.

In feedback talk, all parents expressed their gratitude towards the college and the department for creating a supportive and conducive environment for their children. Mr. Hashim N.K concluded the meeting with a vote of thanks. He expressed appreciation for the parents' participation and their positive feedback. The meeting was attended by parents of 27 out of the 30 newly admitted students, indicating a high level of engagement and interest from the parents of the new batch.

### Elected PTA Council Members:

**SUJISHA M K**

M/O ADARSH M V

Maliyekkal House

DIET Quarters

Sulthan Bathery

MOB: **9074 07 21 75**

**MUHAMMED**

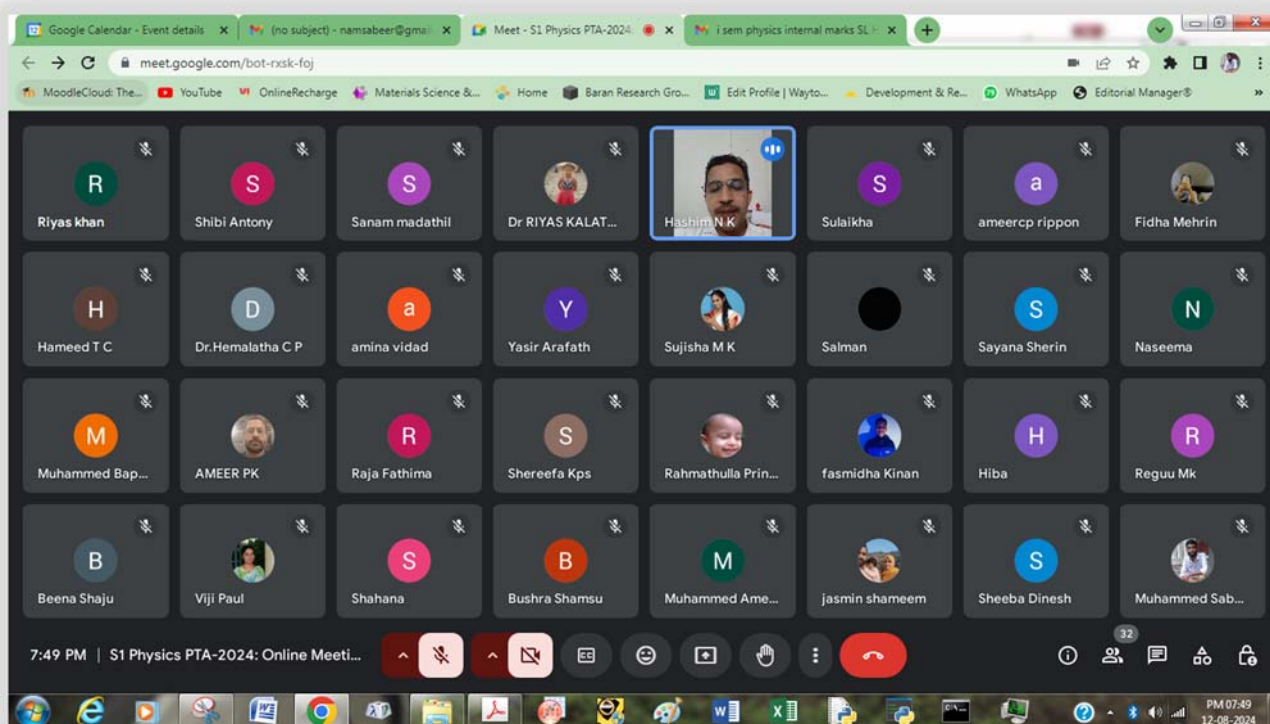
F/O MUHAMMED NUVAISIR

Marathathil House

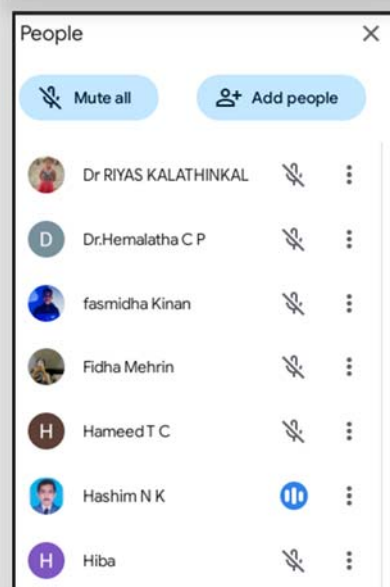
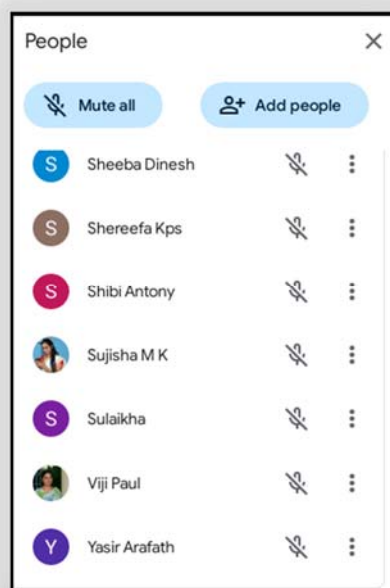
Kappamkolly

Meppadi

MOB: **9961 81 89 94**







## 19. PTA Meeting: UG SEMESTER-V

The PTA meeting for the V<sup>th</sup> Semester UG was held on 07-10-2024 in the department seminar hall, with the participation of 10 parents and 20 students. The meeting was inaugurated by Mr. Hashim N. K, Head of the Department, who welcomed the attendees and spoke about the importance of the upcoming university examinations. Key agenda items included the centralised internal examination, the industrial visit, and university exam preparations. It was decided that the industrial visit will be conducted in Hyderabad, with a focus on exploring reputed Physics research centres in and around the city. Faculty members Dr. Biju K. G. and Dr. Sirajudheen K. K. emphasized the importance of industrial visit and student participation in the tour. In feedback talk, all parents expressed their gratitude towards the college and the department for creating a

supportive environment for their children. In vote of thanks, Dr. Muhammed Sabeer addressed the need for continued support from parents, particularly in financial support for future course applications. The meeting concluded with a collective understanding of the importance of focused study and active collaboration between parents, students, and faculty.



## 20. PTA Meeting: UG SEMESTER-II & IV

The PTA meeting for the Second and Fourth Semester UG students was held on 8-01-2025 with the participation of 24 parents and 45 students. The agenda focused on discussing the previous semester's results and evaluating the overall academic progress of the students. The session began with a warm welcome by Mr. Hashim N. K, who acknowledged the presence of parents and emphasized the importance of collaborative efforts in academic development. Parents reviewed and signed the semester mark statements. Dr. Muhammed Sabeer N. A. led the result analysis, offering detailed insights into student performance and areas requiring improvement. A key part of the meeting involved parents sharing their observations and highlighting areas they felt needed more attention, especially in relation to their children's



learning habits and academic engagement at home. The meeting concluded with a vote of thanks delivered by Ms. Neeraja Krishna, expressing gratitude to the parents for their active involvement and continued support.

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