



# P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KAITHAPRAM PO, KANNUR-670631, Website-www.pkmcollege.org Govt. Aided Teacher Education Institution affiliated to Kannur University Recognized by NCTE and included under UGC 2(f) & 12B category Accredited by NAAC with 'A' Grade, RUSA 2.0 beneficiary

# PROGRAMME PORTFOLIO

DEPARTMENT OF PHYSICAL SCIENCE 2023 - 25



**P.K.M COLLEGE OF EDUCATION, MADAMPAM**  
**DEPARTMENT OF PHYSICAL SCIENCE**

**REPORT OF FIRST SEMESTER- 2023-25 BATCH**

**Semester Objectives**

- Understand the nature, significance and scope of physical science.
- Understand science as both product and process.
- Facilitate the development of scientific attitude and scientific aptitude in learners.
- Aware of the various instructional strategies and curricular approaches in teaching physical science.
- Understand the scientific method of enquiry.
- Achieve mastery over the methods, techniques, and contents of physical science for the transaction.
- Appreciate the fact that every child possesses curiosity about his or her natural surroundings

Teacher in-charge Dr. Prasanth Mathew Assistant Professor in Department of Physical Science			
Sl. No	Name of the Student/s	In Charge	Responsibilities
1.	Ms. Sandra Louis	Class Coordinator	<ul style="list-style-type: none"><li>• Maintaining overall class</li><li>• Leading class discussions</li></ul>
2.	Ms. Navina Joseph Ms. Surya M.T.K	Academic Activities	<ul style="list-style-type: none"><li>• Maintaining class reports</li></ul>
3.	Ms. Aiswarya M Mr. Arun Jaimon	Extension Activities	<ul style="list-style-type: none"><li>• Managing “Urja Kiran” activities such as pledge-taking.</li></ul>
4.	Ms. Archana P.V. Ms. Sreesily K.P.	Research Activities	<ul style="list-style-type: none"><li>• Coordinating Paper presentations and research activities.</li></ul>
5.	Ms. Amiya Mariat Shaju Mrs. Nikhila P.M.	Technical Activities	<ul style="list-style-type: none"><li>• Managing technical writings such as brochures, banner, and programme charts.</li><li>• Setting up audio and video records</li></ul>

# DIGITAL POSTER MAKING COMPETITION ON BACK-TO-SCHOOL

(25<sup>TH</sup> October 2023)

**P.K.M COLLEGE OF EDUCATION**  
MADAMPAM, KAITHAPRAM P.O, KANNUR-670631, Website:-www.pkcollege.org. Recognized by NCTE Included under UGC 2(f) & 12B category Accredited by NAAC with 'A' Grade, RUSA 2.0 beneficiary

**BHARTIYA BHASHA UTSAV**  
Language learning through the use of Regional languages and Technology  
**SEP 2023-OCT 2023**

DEPARTMENT OF PHYSICAL SCIENCE

**DIGITAL POSTER MAKING ON BACK TO SCHOOL**

**DEADLINE FOR SUBMISSION**  
**OCTOBER 28, 2023**

Result declaration: October 31, 2023  
Time: 3-4 pm  
Venue: Multi Purpose Hall

**Guidelines**

- 1 Everyone should participate
- 2 The poster must be in A5 size (300 DPI) in a portrait format.
- 3 Can use photoshop, paint or any related software applications or media
- 4 The theme should be focus on the poster
- 5 Poster designs containing clip art and download brushes will not be considered.
- 6 Submit your posters to [bharathbhashautsav@gmail.com](mailto:bharathbhashautsav@gmail.com)

Certificates will be provided to the 5 best posters

**Judgement Criteria:**  
Creativity and presentation-40%  
originality-30%  
Relevance to the theme-30%

**Programme Co-ordinator**  
Dr. Prasanth Mathew  
Assistant Professor in Physical Science & Vice Principal

**Student Co-ordinators**  
Ms. Sandra Louis  
Ms. Nikhila P M

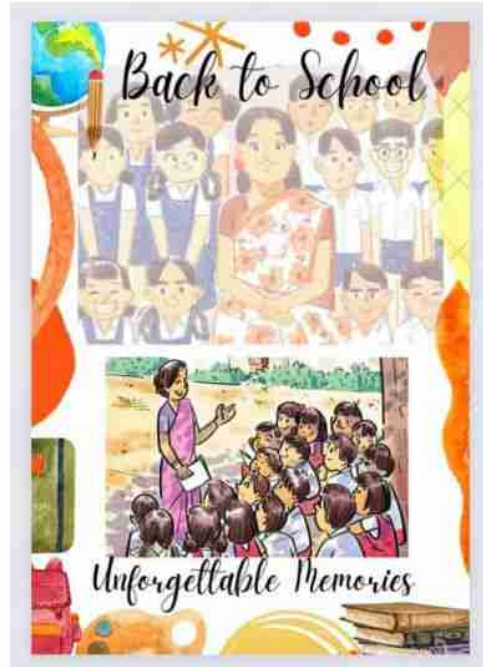
As part of Bharatiya Bhasha Utsav, the Department of Physical Science organised a digital poster-making competition on the topic "Back to School". The required guidelines were given to the students on October 25, 2023. Entries were to be submitted by email ID by October 28, 2023.

Fifty entries were received from the students, 10 of which were shortlisted, and the top five were chosen by a team of judges. Jyothika from Natural Science took first position, followed by Nivedhitha from Mathematics in second, Aneeta Biju from English in third, Ashwin Baburaj

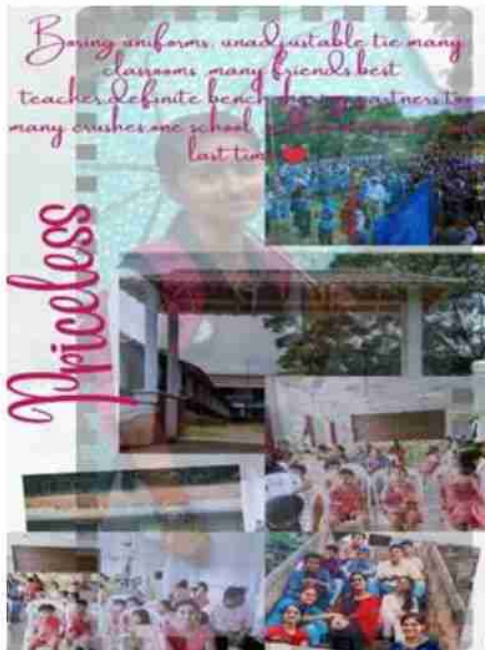
from Mathematics in fourth, and Sneha from Social Science in fifth. Winners received certificates from Dr. Jessy N.C., the principal.



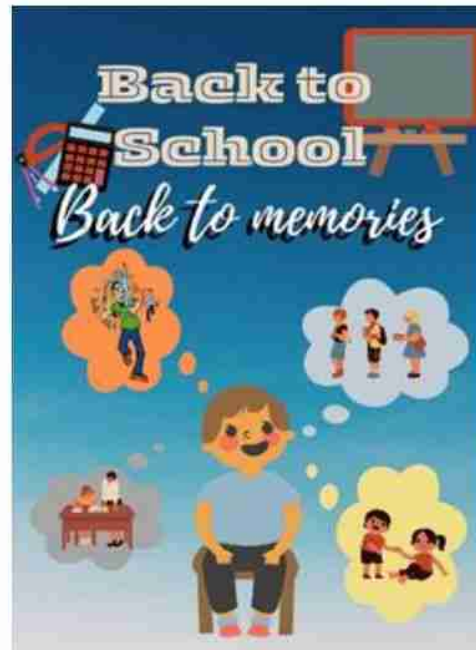
1<sup>st</sup> prize



2<sup>nd</sup> prize



3<sup>rd</sup> prize



4<sup>th</sup> prize

# INAUGURATION OF SCIFIESTA AND WORLD SCIENCE DAY CELEBRATION

(10<sup>th</sup> November 2023)



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MADAMPAMKANNUR-670631, website: www.pkmcollege.org  
Govt. Aided Teacher Education Institutions affiliated to Bharath University  
Recognized by NCTE and included under UGC 22D U-10 category  
Accredited by NAAC with 'A' grade, PCAA 2<sup>nd</sup> category

## SCIFIESTA

SCIENCE FOR ALL

A journey from  
World Science day to National Science day  
10th Nov 2023 to 28th Feb 2023

Organized by  
**Department of Physical Science**

In association with  
**Physica Scientia**  
*The Physical Science Teachers' Learning Community.*

### ABOUT

'Scifiesta' is a series of programs organized by the Department of Physical Science of P.K.M. College of Education, Madampam. This program aims to nurture the scientific temper of the society and to create an awareness about the ongoing scientific events and its importance in current scenario.

**Programme co-ordinator**  
Dr Prasanth Mathew  
Assistant Professor in Physical Science & Vice Principal

**Student co-ordinators**  
Ms Sandra Louis  
Ms Nikhila P.M  
Mr Arun Jaimon  
Ms Archana P.V

### Inauguration of SCIFIESTA & World Science Day Celebration

On  
10th November 2023

**Technical Session:**  
Topic: **ROLE OF SCIENCE IN ADDRESSING GLOBAL CHALLENGES.**



**Dr Nygil Thomas**  
Asst. Professor in Chemistry,  
Nirmalagiri College, Kuthuparamba

**PROGRAMS AND ACTIVITIES INCLUDED:**

- Interaction with eminent personalities
- Awareness campaign
- Paper presentations
- National seminars
- Resource talks
- Field visit
- Exhibition
- Rally
- Film fest
- Slogan making
- Quiz competition
- Collage competition
- Extempore competition
- Powerpoint competition
- Still model and working model competition

**TARGET GROUPS**

- School Students
- UG Students
- PG Students
- B. Ed Students
- General Public

SCIFIESTA, a mega series of programs, organised by the Department of Physical Science of P.K.M. College of Education, was inaugurated on the occasion of World Science Day, 10th of November 2023. The program commenced with a warm welcome by Ms Navina Joseph, a student of the dept. of Physical science.



Dr Prasanth Mathew, program coordinator of SCIFIESTA, Assistant professor in Physical science and Vice Principal, gave the presidential address. Dr Nygil Thomas, Assistant Professor in Chemistry, at Nirmalagiri College, inaugurated the function and released the logo of SCIFIESTA. Later Mrs Deepa John, college librarian, released the book 'Innovative Minds', which is a collection of some of the renowned scientists, who have made enormous contributions to the development of human society. The inaugural session ended with a vote of thanks by Ms Sandra Louis, student coordinator of SCIFIESTA. The technical session started with the theme presentation and resource talk of Dr Nygil Thomas sir on the topic, 'Role of science in



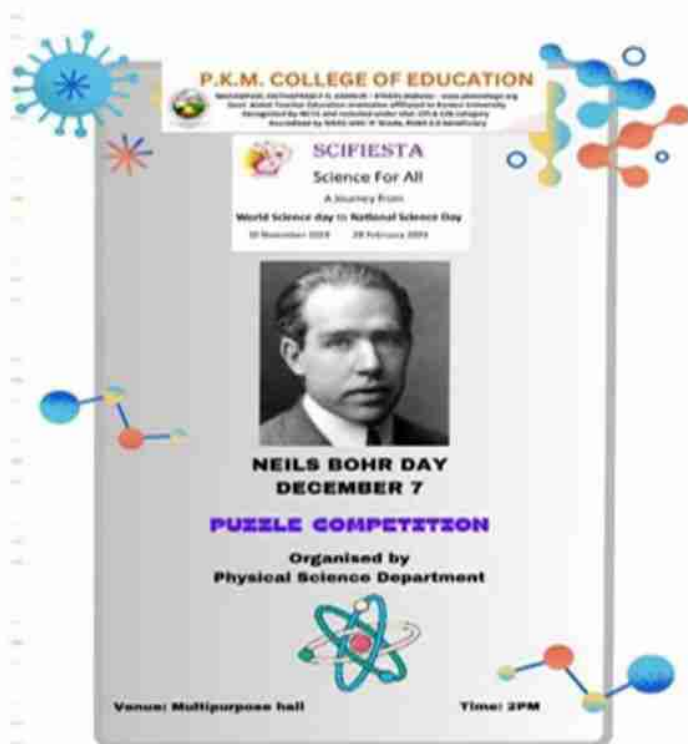
addressing global challenges'. The session was a general talk on the recent discoveries in science and the scientific gains that India has achieved so far. The session ended at 11.30 PM.

The session was further continued for science students. The session mainly focused on the possibilities in the world of science. He also gave an idea about the steps in the scientific method and the thought process of a scientist. Ms Isabel Sunny gave feedback on the talk. Mr Arun Jaimon of the Physical Science department gave a small token of gift to Dr Nygil Thomas sir for his wonderful session. The event came to an end by 1 PM with the vote of thanks of Mr Akshay Sukumaran, student representative of SCIFIESTA.



## PUZZLE COMPETITION

(7<sup>th</sup> December 2023)



As a part of the SCIFIESTA program, the Physical science department decided to conduct a puzzle competition on scientists on December 7, 2023. Archana P. V was selected as the coordinator of the program. J. J Thomson, Rutherford, John Dalton, Schrodinger and Robert Millikan were selected as the scientists for the puzzle competition. Their photos were collected.

The collected photos of scientists were cut into parts and distributed among different departments. Archana gave instructions to the students. Students from each department collectively combined the parts of the photo, and finally, they identified the scientists they had obtained.





First, the Social Science group identified the scientists; secondly, the Malayalam group did so, and thirdly, the Natural Science group completed the puzzle. Finally one of the students from each department came forward to talk a little bit about the identified scientists. The contributions of each scientist were highlighted, and valuable information was given to other students.



## NATIONAL ENERGY CONSERVATION DAY CELEBRATION

(14<sup>th</sup> December 2023)

**P.K.M. COLLEGE OF EDUCATION**  
MADAMPAM, KERALA  
SCIFIESTA  
Science For All  
A Journey from  
World Science Day to National Science Day  
10 December 2020 - 28 February 2024

**National Energy Conservation Day  
December 14**

**PLEDGE**

Organised by  
physical Science Department

As part of National Energy Conservation Day, the Physical Science department of P.K.M. College of Education Madampam conducted a pledge-taking ceremony on 14/12/2023 Thursday. Aishwarya, coordinator of the programme took the pledge and other students resonated it. Students committed to reducing energy consumption, leading to increased awareness and behavioural changes.



## TASKS

### ➤ Release of the book 'Innovative Minds'.

The Department of Physical Science released a book 'Innovative Minds', featuring a number of well-known scientists who have significantly influenced the advancement of human society.

➤ **Concept map- ‘How science works?’**

Each student provided a concept map that outlined the workings of science; they were integrated into a single thought map.

➤ **Semester 1 Learning Material**

The first semester's topics were divided equally among the students and later combined to create the learning materials for physical science.

## SEMESTER ACHIEVEMENTS

- ❖ **Bharatiya Bhasha Utsav (BBU) – Quiz Competition:** As part of the Celebration of Bharatiya Bhasha Utsav (BBU), the Department of Social Science, organised a quiz competition on 20<sup>th</sup> October 2023. The **Physical Science** department got **first** prize in the quiz competition.
- ❖ As part of Children’s Day, College Union conducted a quiz competition. The **Physical Science** department won **third** prize in the quiz competition.
- ❖ As part of the Constitution Day celebration, the Social Science department hosted a quiz competition, for which **Aiswarya.M** got the **first** prize.
- ❖ On the occasion of the Mathematics Day celebration, the Mathematics department hosted a puzzle competition and **Navina Joseph** won the **first** prize.
- ❖ **Arun Jaimon** has secured **Bronze medal** in Kannur University Inter-College Fencing Championship 2023-24.

## SEMESTER ACTIVITIES

Name of the Student	Activities
Aiswarya M	➤ Coordinator of Energy Conservation day celebration.
Amiya Mariat Shaju	➤ Coordinator of Debate Club

Archana P.V	<ul style="list-style-type: none"> <li>➤ Coordinator of Puzzle competition conducted on December 7, 2023.</li> </ul>
Arun Jaimon	<ul style="list-style-type: none"> <li>➤ College Union General Secretary.</li> <li>➤ Tourism Club Coordinator</li> </ul>
Nikhila P.M	<ul style="list-style-type: none"> <li>➤ Coordinator of Talents Day celebration</li> <li>➤ Coordinator of Digital Poster Making competition conducted on October 31, 2023.</li> <li>➤ Sub-coordinator of Bhumithrasena Club</li> </ul>
Sandra Louis	<ul style="list-style-type: none"> <li>➤ Class Coordinator.</li> <li>➤ Sub-Coordinator of Debate Club.</li> <li>➤ Coordinator of Digital Poster Making competition conducted on October 31, 2023.</li> <li>➤ Coordinator of Scifiesta Inagation and World Science Day Celebration.</li> </ul>

# P.K.M COLLEGE OF EDUCATION, MADAMPAM

## DEPARTMENT OF PHYSICAL SCIENCE

### REPORT OF SECOND SEMESTER- 2023-25 BATCH

#### Semester Objectives

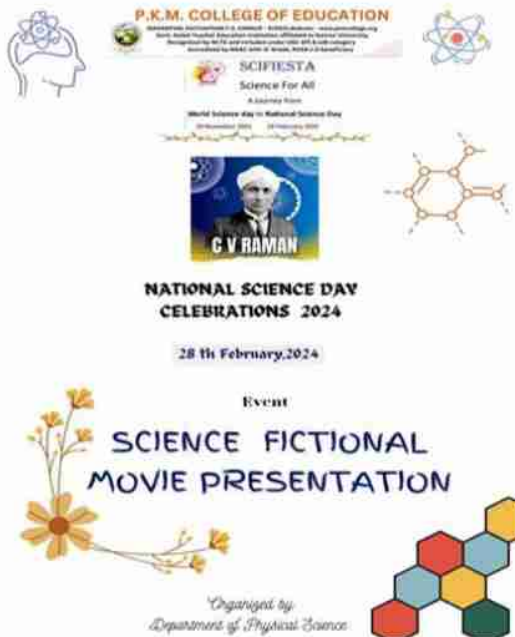
- Understand the aims and objectives of teaching physical science in Secondary Schools.
- Gain a critical understanding of issues in assessment and evaluation (from a constructivist paradigm).
- Become cognizant of key concepts, such as formative and summative assessment, evaluation and measurement, test, examination, etc.
- Be exposed to different kinds and forms of assessment that aid student learning.
- Become the user of a wide range of assessment tools, and learn to select and construct these appropriately.
- Evolve realistic, comprehensive and dynamic assessment procedures that can keep the whole student in view.

Teacher in-charge Dr. Prasanth Mathew Assistant Professor in Department of Physical Science			
Sl. No	Name of the Student/s	In Charge	Responsibilities
1.	Ms. Sandra Louis	Class Coordinator	<ul style="list-style-type: none"><li>• Maintaining overall class</li><li>• Leading class discussions</li></ul>
2.	Ms. Navina Joseph Ms. Surya M.T.K	Academic Activities	<ul style="list-style-type: none"><li>• Maintaining class reports</li></ul>
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4.	Ms. Archana P.V. Ms. Sreesily K.P.	Research Activities	<ul style="list-style-type: none"><li>• Coordinating Paper presentations and research activities.</li></ul>
5.	Ms. Amiya Mariat Shaju Mrs. Nikhila P.M.	Technical Activities	<ul style="list-style-type: none"><li>• Managing technical writings such as brochures, banners, and programme charts.</li><li>• Setting up audio and video records</li></ul>

# SCIENCE DAY CELEBRATION

## “SCIENCE FICTIONAL MOVIE PRESENTATION”

(28<sup>th</sup> February 2024)

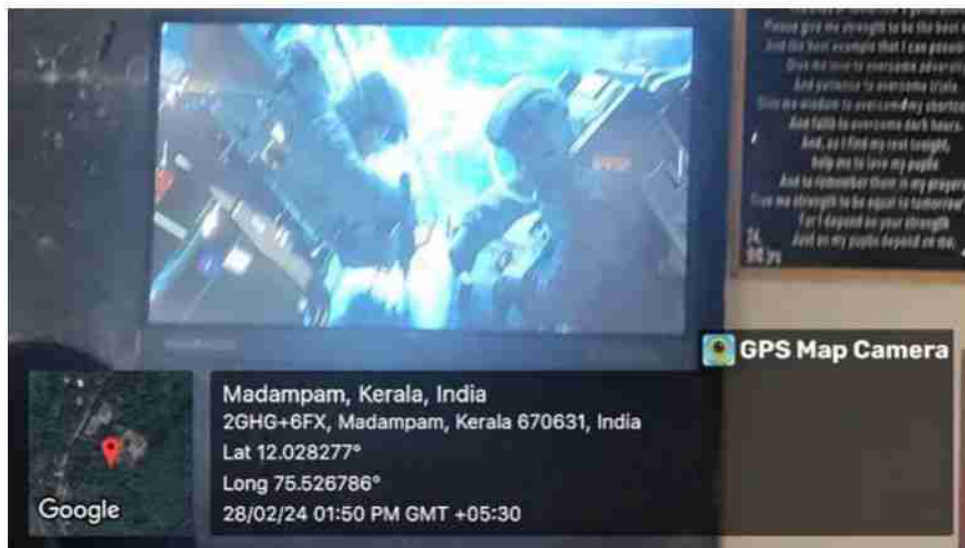
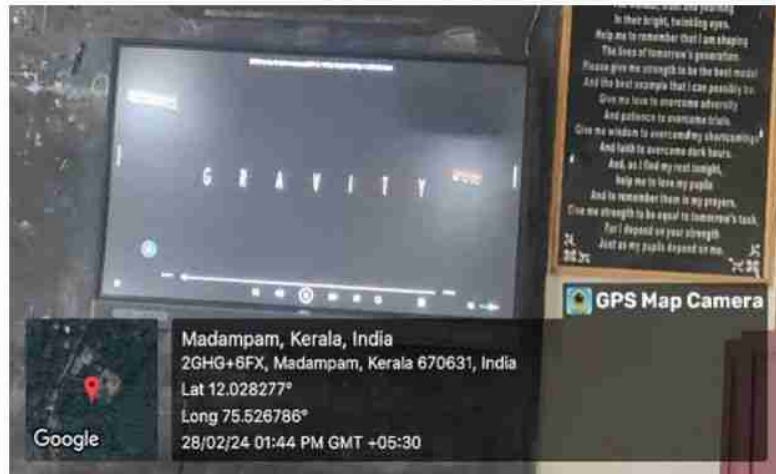


As a part of the SCIFIESTA program, the Physical science department decided to conduct a film screening in association with the celebration of National Science Day on February 28, 2024. Sreesily K.P was selected to be the coordinator of the program.

The program began with a welcoming address by Sreesily K.P., the student coordinator. Navina Joseph gave a short introduction about the history of Science Day and its importance and Dr Prashanth Mathew conducted the felicitation speech. In the end, a science fictional movie was presented. The movie

‘Gravity’ was presented, to create an awareness about the importance of gravity in the existence of the world.





## RESEARCH OUTCOMES

### ❖ Two Day International Seminar: “Conceptualizing and Linguaging Children’s World and View”

The two-day International Seminar, **Conceptualizing and Linguaging Children’s World and View**, was held on 12-13<sup>TH</sup> March, 2024, at the Department of Malayalam, University of Madras, by Open Window. Students from Physical Science department, including Aiswarya M., Arun Jaimon and Sandra Louis, have actively participated in the event, presenting their research papers.

Name of the Student	Research Paper
Aiswarya M	Role of Kerala School curriculum in imparting child rights education and awareness of high school students about their rights.
Arun Jaimon Sandra Louis	Strategies to mitigate the surge in juvenile delinquency in India





❖ **National Seminar: “ Revitalizing Higher Education Strategies and Innovations”**

The National Seminar on Revitalizing Higher Education Strategies and Innovations was held on 15<sup>th</sup> March 2023, by St. Joseph College of Education, Mysuru. Students from the Physical Science department including Archana P.N, Nikhila .M. and Sreesily K.P, have actively participated in the event and presented their research papers.

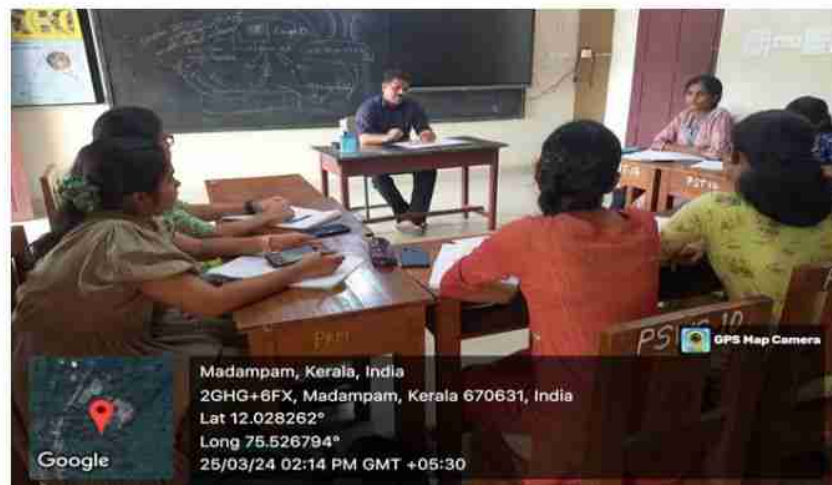
Name of the Student	Research Paper
Archana P.V Nikhila P.M	Positive Interdependence among students: Integrating Strategies in Higher Education.
Sreesily K.P	Empowering student teachers: fostering holistic and transformational approaches to Peace Education



## Pre- Internship Activities & Tasks

Focusing on the upcoming B.Ed internship program this semester placed a significant emphasis on equipping students with essential skills for effective teaching particularly honing on the components of lesson planning, structuring concepts, and the intricacies of crafting comprehensive lesson plans.

As part of this, under the guidance of Dr. Prasanth Mathew, it was decided to complete tasks such as 5 discussion lesson plans, 5 demonstration lesson plans, microteaching and finally critical teaching lesson plan.



### ❖ Discussion Lesson Plan

As part of the discussion lesson plan, the students were divided into separate groups to conduct the discussions.

The students were divided into the following groups for each lesson plan discussion:

1. Lesson Plan 1: Common Group

2. Lesson Plan 2: Group 1- Archana P.V, Navina Joseph, Nikhila P.M, Sreesily K.P, Surya M.T.K  
Group 2- Aiswarya M., Amiya Mariat Shaju, Arun Jaimon, Sandra Louis.
3. Lesson Plan 3: Group 1- Aiswarya M., Arun Jaimon, Sreesily K.P  
Group 2- Amiya Mariat Shaju, Nikhila P.M., Sandra Louis  
Group 3- Archana P.V, Navina Joseph, Surya M.T.K
4. Lesson Plan 4: Group 1- Aiswarya M, Amiya Mariat Shaju, Sandra Louis  
Group 2- Archana M, Nikhila P.M, Sreesily K.P  
Group 3- Arun Jaimon, Navina Joseph, Surya M.T.K
5. Lesson Plan 5: Group 1- Aiswarya M, Navina Joseph  
Group 2- Amiya Mariat Shaju, Arun Jaimon  
Group 3- Archana P.V, Sreesily K.P, Surya M.T.K  
Group 4- Nikhila P.M, Sandra Louis

Finally, the discussion lesson plans were submitted by 10<sup>th</sup> June 2024.

#### ❖ **Demonstration Classes**

Lesson plans covering high school physics and chemistry topics were created in response to the five lectures that students viewed via various online sources. The demonstration lesson plans were further submitted by 30<sup>th</sup> July 2024.

#### ❖ **Solutions to Past Year's Question Papers**

Every student received a distinct set of the previous year's question papers of the Physical Science papers, which ranged from 2015 to 2022. They were instructed to turn in their completed question papers by 24<sup>th</sup> June 2024.

#### ❖ **Seminars**

Physical Science students held a seminar on microteaching skills, focusing on techniques like stimulus variation, questioning, explaining, and set induction. The event provided valuable feedback for aspiring teachers, enhancing their understanding of effective teaching practices in the Physical Science discipline.

#### ❖ **Workshops**

As part of the pre-internship training program, a series of specialized workshops were organized for Physical Science classes. These workshops were conducted under the expert guidance of Dr. Prasanth Mathew. These workshops provided prospective teachers with practical insights and hands-on experience in effective teaching methodologies, classroom management techniques, and the latest advancements in Physical Science education.

## SEMINAR ON MICRO-TEACHING SKILLS

(6<sup>th</sup> June 2024)

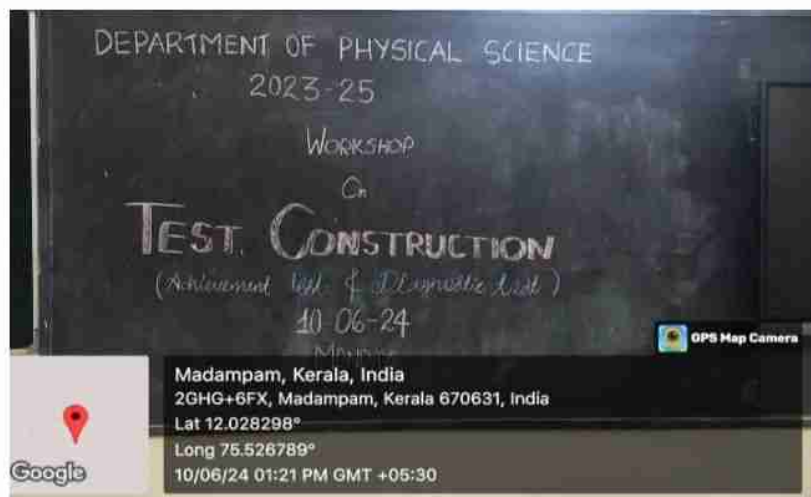
The Physical Science students held an insightful seminar on microteaching skills at the Lecture cum Methodology Lab of Physical Science Department on June 6, 2024. The seminar focused on crucial teaching techniques such as stimulus variation, questioning, explaining, and set induction. These skills are essential for enhancing classroom engagement and ensuring effective teaching. Through a series of presentations and interactive sessions, students demonstrated and practiced these techniques, gaining valuable feedback from peers and educators. This seminar provided an excellent platform for aspiring teachers to refine their teaching strategies and improve their pedagogical skills, fostering a deeper understanding of effective teaching practices in the Physical Science discipline.



# WORKSHOP ON TEST CONSTRUCTION

(10<sup>th</sup> June 2024)

On Monday, 10th June 2024, the Physical Science department hosted a comprehensive workshop on test construction, focusing on achievement and diagnostic tests. Held at the Physical Science Class cum Methodology Lab, the workshop aims to equip students with essential skills to create effective assessments that enhance student learning. Participants could explore the purposes and methods of designing both achievement and diagnostic tests through interactive sessions and hands-on activities. By understanding the principles of objective setting, blueprint creation, and item writing, educators could learn to develop fair and valid tests. Additionally, the workshop covered strategies for interpreting test results to identify students' strengths and weaknesses, facilitating targeted instructional interventions. This practical and engaging workshop provided valuable insights and tools for improving assessment practices in the Physical Science classroom.



# WORKSHOP ON STATISTICAL TOOLS

(13<sup>th</sup> June 2024)

The Physical Science department held a workshop on statistical tools on Monday, June 13, 2024. Dr Prasanth Mathew, the Physical Science teacher educator, facilitated the session, which was held at the Physical Science Class cum Methodology Lab. The workshop aims to equip students with essential statistical skills relevant to their field. Participants would gain a comprehensive understanding of both descriptive and inferential statistics, including key concepts such as mean, median, mode, standard deviation, hypothesis testing, and correlation. Through interactive sessions and practical exercises, students learnt to collect, analyze, and interpret data effectively, enhancing their research and analytical capabilities. This workshop provided valuable insights and hands-on experience, empowering students to apply statistical tools confidently in their academic and research endeavors.



## **SCHOOL ACCLIMATIZATION PROGRAMME**

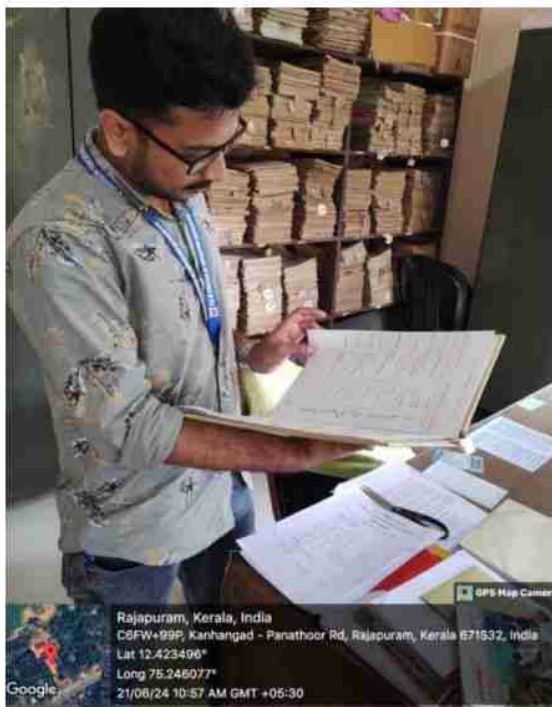
**(18<sup>th</sup> June 2024 to 22<sup>nd</sup> June 2024)**

The School Acclimatization Programme is an inevitable constituent of the Kannur University Two Year B.Ed. Curriculum preferably conducted during the second semester of the course. It is beneficial to the student teachers to have a better understanding of schools prior to their teaching practice in the third semester. Student teachers are given opportunities to visit innovative centres of pedagogy and learning- innovative schools/educational resource centres for a period of one week which enables them to get adapted to the school environment. During this period, prospective teachers shall observe classroom transactions but will not deliver any lessons. However, they may take up work as assigned by the teacher educators/ school teachers/ principals or get engaged in the classrooms whenever they are asked to do so. The programme focuses on four different dimensions: a) School and its environment b) School dynamics c) Teaching learning process d) Understanding of children. A scrutiny and successful exploration of the above four dimensions by the student teachers is essential to be a constructive teacher in the future.

The student teachers of the Physical Science Optional of 2023-25 batch of P.K.M. College of Education opted for six different secondary schools in Kerala across four districts; Kannur, Kasaragod, Kozhikode and Kottayam.

<b>Name of the Student</b>	<b>Name of the school</b>
Aiswarya M Amiya Mariat Shaju Archana P.V	GHSS Sreekandapuram
Arun Jaimon	Holy Family HSS Rajapuram
Navina Joseph	St. Micheal's HSS Kaduthuruthy
Nikhila P.M Sandra Louis	St. Jude's HSS Vellarikundu
Sreesily K.P	PR Memorial HSS Panoor
Surya M.T.K	RAC HSS, Katameri

During the period of their school acclimatization programme the student teachers make use of the numerous opportunities which include observing classes of the teachers, getting themselves engaged in classes with small games, songs and motivating stories, interaction session with teachers and students. They were also a part of the discipline duty, examination duty, mid-day meal programme, reading day programs, yoga day programs, merit day celebrations and various other activities.







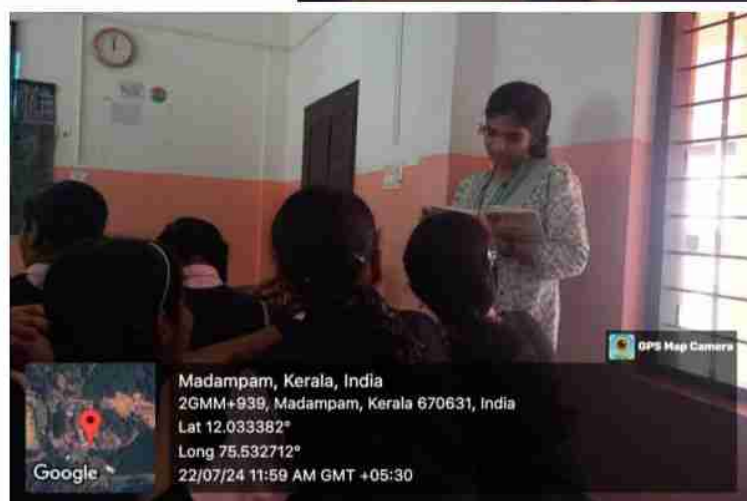
## CRITICISM CLASSES

(22<sup>th</sup> July 2024 – 23<sup>th</sup> July 2024)

The nine student teachers of Physical Science Optional of P.K.M. College of Education took criticism class as part of their pre- internship program on 22<sup>th</sup> and 23<sup>th</sup> July, 2024 at Maryland High School, Madampam. Five student teachers were scheduled to take the classes for the first day; 22<sup>th</sup> July. As per the scheduled timetable, Ms. Sandra Louis, Ms. Amiya Mariat Shaju, Ms. Nikhila P.M, Ms. Surya M.T.K and Ms. Aiswarya M took classes in 9C (English Medium), 8C (English Medium), 9D (English Medium), 9A (Malayalam Medium) and 9C (English Medium) respectively. The second day, the remaining four students, Mr. Arun Jaimon, Ms. Navina Joseph, Ms. Archana P.V and Ms. Sreesily K.P took classes at 9D (English Medium), 8D (Malayalam Medium), 8A (Malayalam Medium) and 8B (Malayalam Medium) respectively.



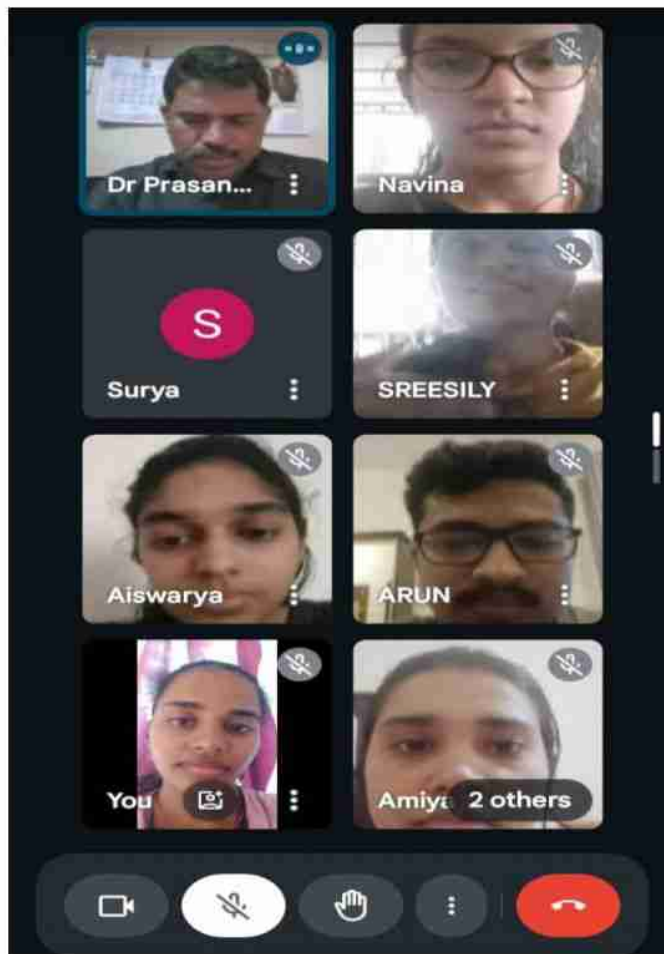
Each student teacher was evaluated for their performance in the criticism class by Dr. Prasanth Mathew (Assistant Professor in Physical Science) and their peers at class cum method lab, in the following days. Constructive criticism was based on the following aspects: Learning Objectives, Organization of Content, Introduction, Structuring of Questions, Communication, Learning Aids, Use of ICT, Innovations and Teacher Effectiveness. The student teachers were asked to modify their lesson plan based on the evaluation done and resubmit the modified lesson plans and the rubrics.

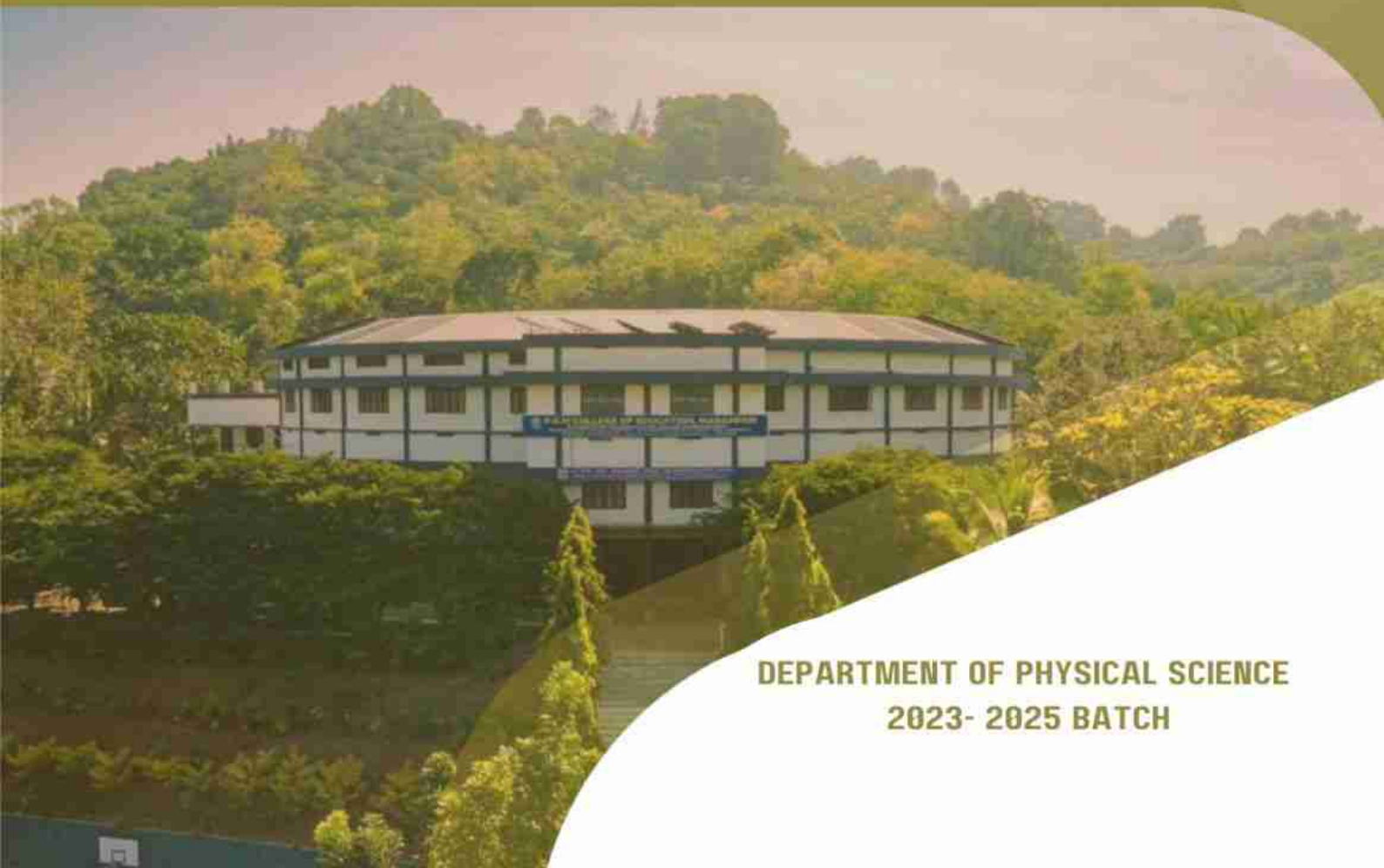


## Internship Orientation

(3<sup>rd</sup> August 2024)

On 3<sup>rd</sup> August 2024, an internship orientation for Physical Science students was conducted by Dr. Prasanth Mathew, a renowned teacher educator from the Physical Science department. Held via Google Meet from 11:30 AM to 1:30 PM, the session aimed to prepare students for their upcoming internships by providing essential guidance and information. Dr. Mathew began by outlining the internship program's structure, duration, and objectives, emphasizing the significance of practical teaching experience in professional development. He covered key topics such as roles and responsibilities, effective teaching methodologies, and the creation and implementation of assessment tools. The session also highlighted the support and resources available to interns and included an interactive Q&A segment, allowing students to address their queries. Dr. Mathew's expert insights left the students well-prepared and confident for their internships, marking the orientation as a significant step towards their future careers in education.





**DEPARTMENT OF PHYSICAL SCIENCE  
2023- 2025 BATCH**