

ANNUAL REPORT
PHYSICS DEPARTMENT
(physicsmarkazcollege@gmail.com)



MARKAZ ARTS AND SCIENCE COLLEGE
ATHAVANAD
2021-22

ANNUAL REPORT OF PHYSICS DEPARTMENT 2021-2022

MISSION

1. To impart in depth knowledge of physics.
2. To develop capability to relate and use the acquired knowledge of physics in real life
3. To foster academic excellence.
4. To develop attitude for life time learning.
5. To organize outreach activities to promote scientific culture.

VISION

To empower students through quality education in Physics

ABOUT THE DEPARTMENT

We believe our science program should not only educate but also inspire you with the joy of learning. Each strikes balance between conducting world-class teaching, excelling in education, and training students to become leaders in this field. The department of physics was established during the year 2015-16. The department always stood for innovation and leadership in curriculum planning. The department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through interaction with board of studies, bridge courses value-added courses, experiential learning, seminars & guest lectures, peer group learning problem solving skills and social service activities. We organized and took part in seminars and guest lectures for students and faculty. Physics department has a well-equipped, spacious, physics lab. It has excellent infrastructure. It has qualified, experienced, energetic faculty members who are passionate about teaching profession.

DETAILS OF FACULTY MEMBERS

Sl No	Name	Full time/ Part time	Educational Qualifications	Year of entering in college	Total experience
1	Sayed Hussain (HoD)	Full time	M.Sc. MPhil	July 2021	6 Year and 2 Months
2	Javed Ramzan TK	Full time	M.Sc.	September 2019	2 Year and 7 Months
3	Unais P	Part time	M.Sc.	November 2020	1 Year and 4 Months

DETAILS OF FACULTY ASSIGNMENT IN ACADEMIC BODIES

1. Sayed Hussain, HOD, Physics
2. Sayed Hussain, Member, Discipline
3. Sayed Hussain, Coordinator, Energy & Environment Club
4. Sayed Hussain, Member, College Council
5. Sayed Hussain, Member, IQAC
6. Sayed Hussain, Member , PTA
7. Sayed Hussain, Criteria Coordinator
8. Javed Ramzan TK, Member, Anti Ragging Monitoring Cell
9. Javed Ramzan TK, Tutor, Third BSc physics
10. Javed Ramzan TK, Member, Anti Ragging Squad
11. Javed Ramzan TK, Criteria Member
12. Javed Ramzan TK, Fine arts Coordinator(Dept)
13. Unais P, Member, Anti Ragging Squad
14. Unais P, Tutor, Second BSc physics
15. Unais P, Staff coordinator of Department Association
16. Unais P, Department Secretary

STUDENT STRENGTH

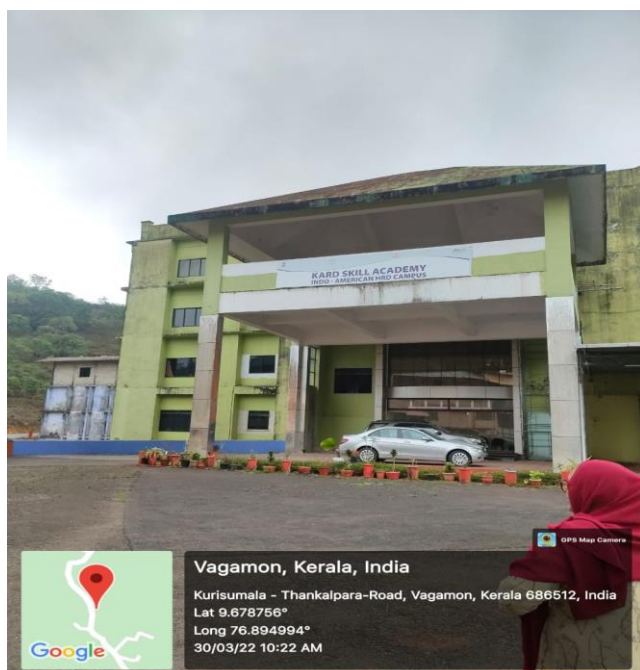
	BOYS			GIRLS			TOTAL
	GENERAL	OBC	SC/ST	GENERAL	OBC	SC/ST	
FIRST YEAR	0	0	0	0	0	0	0
SECOND YEAR	0	1	0	0	12	0	13
THIRD YEAR	0	14	0	0	4	0	18
TOTAL	0	15	0	0	16	0	31

PASS PERCENTAGE

Title of the Programme	Total No. of students appeared	Percentage (Passed Students)	Distinction		I Class		II Class		III Class		Pass	
			B	G	B	G	B	G	B	G	B	G
B.Sc. Physics (2019-21)	23	78.22 (18)	0	0	13	3	2	0	0	0	60	83

INSTITUTIONAL VISIT/ STUDY TOUR OF STUDENT

Second year students of Physics Department of Markaz Arts and Science College, Athavanad have visited Kerala Association and Rural Development (KARD) Skill Academy, Vagamon on 30th March 2022, Wednesday



CLASS PTA - MEETINGS

- An offline Parent - Teacher meeting was conducted for 5th semester Physics students (2020-23) on 30th June, 2022. The vice principal of the college, head of the department, other teaching staffs and 8 parents had attended the meeting; and had a discussion on fourth internal examination marks, students attendance reports and first semester university results
- An offline Parent - Teacher meeting was conducted for 3rd semester Physics students (2020-23) on 8th September, 2021. The principal of the college, head of the department, other teaching staffs and 10 parents had attended the meeting; and had a discussion on willingness on next semester and new teaching - learning methods.
- Parent - Teacher meeting for 6th semester physics students (2019-22) were conducted on 23rd December, 2021. The principal of the college, head of the department, other teaching staffs and 15 parents had attended the meeting; and had a discussion on fourth semester exam, student's attendance report, and willingness on next semester.

EXTENSION ACTIVITY

URJAKIRAN 2021

GO ELECTRIC CAMPAIGN

State Energy Management Centre and Centre for Environmental and Development jointly organized with Energy Environmental Conservation Club conducted the Energy Awareness Programme at Markaz Arts and Science College on the theme of energy efficiency and energy conservation. The awareness seminar was inaugurated by **Mr. AZAD ALI**, Kuttippuram Block Panchayath vice president on 9 December 2021 at 10.00 am. College principal **Dr. C P MOHAMED KUTTY** delivered presidential address. EMC Resource person **Mr. SABIR P** took the class. 68 people attended the seminar



ENERGY CONSERVATION RALLY

State Energy Management Centre and Centre for Environmental and Development jointly organized with Energy Environmental Conservation Club conducted the Energy Conservation Rally at Puthanathani on 10 December 2021 at 10.00 am. The rally was inaugurated by Mr. **KURUKOLLI MOIDEEN** (MLA, Tirur) **Mr. AZAD ALI**, Kuttippuram Block Panchayath vice president delivered presidential address. 68 people attendant in rally



SIGNATURE CAMPAIGN

State Energy Management Centre and Centre for Environmental and Development jointly organized with Energy Environmental Conservation Club conducted the Signature campaign at Markaz Campus on the theme of energy efficiency and energy conservation on 10 December 2021. The signature collection Programme was inaugurated by **Mrs. SINOOBIA**, Athavanad Grama Panchayath president. 141 people participated in signature collection



Kerala Kaumadi
11/12/2021

ഊർജ്ജകിരൺ ബോധവൽക്കരണ പരിപാടി സംഘടിപ്പിച്ചു

വളരെയേറെ ഊർജ്ജ കാര്യശേഷിയും ഊർജ്ജ സംരക്ഷണവും എന്ന വിഷയത്തെ ആസ്പദമാക്കി സംസ്ഥാന എനർജി മാനേജ്മെന്റ് സെന്റർ, സെന്റർ ഫോർ എൻവയറുമെന്റൽ ആൻഡ് ഡെവലപ്മെന്റൽ സയന്സ് കോളേജ് ആതവനാട് കെ.എസ്. ആർ.എസ്. സെന്റർ ഫോർ സോഷ്യൽ വെച്ച് സംഘടിപ്പിക്കുന്ന ഈ വർഷത്തെ തിരൂർ അസംബ്ലി മണ്ഡല 'ഊർജ്ജ കിരൺ' ബോധവൽക്കരണ കമ്പയിൻ നൂതനമായി. ബോധവൽക്കരണ സെമിനാറും റാലിയും ഊർജ്ജ സംരക്ഷണ പ്രതിജ്ഞയും ഒപ്പുവെക്കണമെന്നും നടന്നു.

റാലിയുടെ ഉദ്ദേശ്യം കൂടുതൽ കൈയ്യിൻ എം. എൽ. എ. നിർവഹിച്ചു. ഒപ്പുവെക്കുന്ന പരിപാടി ആതവനാട് ഗ്രാമ പഞ്ചായത്ത് പ്രസിഡന്റ് സിനുബിയാ ഉദ്ദേശ്യം ചെയ്തു. കുറുപ്പുറം ബ്ലോക്ക് പഞ്ചായത്ത് വൈസ് പ്രസിഡന്റ് ആസാദ് അലി അദ്ധ്യക്ഷനായി.

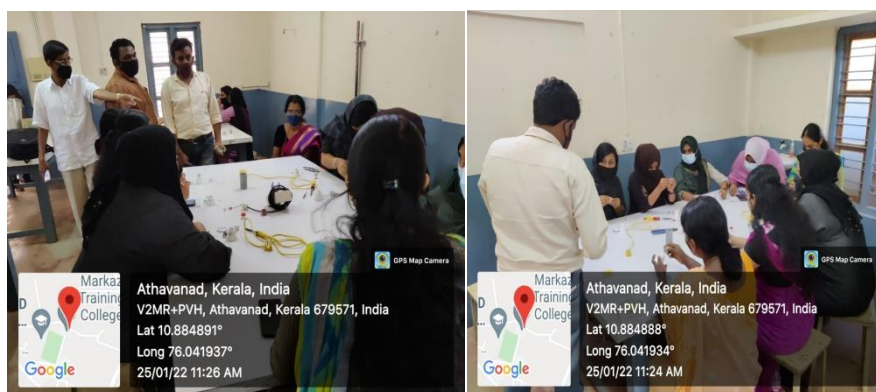
ഡോ. സി. പി. മുഹമ്മദ് കട്ടി, കോളേജ് സൂപ്രണ്ട് കെ. എം. അബ്ദുൽ ഗഫൂർ, വൈസ് പ്രസിഡന്റ് ജാസിദ്, എസ്. എസ്. പ്രൊഫ്. ഓഫീസർ അനിസ്, അബ്ദുൽ സലാം, ഫൈനൻസ് കോയ തുടങ്ങിയവർ സംബന്ധിച്ചു. കോളേജ് നാഷണൽ സർവ്വീസ് സ്കീമിന്റെ സഹായത്തോടെ കോളേജ് എനർജി ക്ലബ് ആണ് പരിപാടി സംഘടിപ്പിക്കുന്നത്.



LED TRAINING

Department of Physics conducted a LED Bulb training programme for teaching, non-teaching, students and Kudumsree Womens in association with Energy Environmental Conservation Club on 25-01-2022. The

programmes lead by Mr. SABIR, (EMC Resource Person).



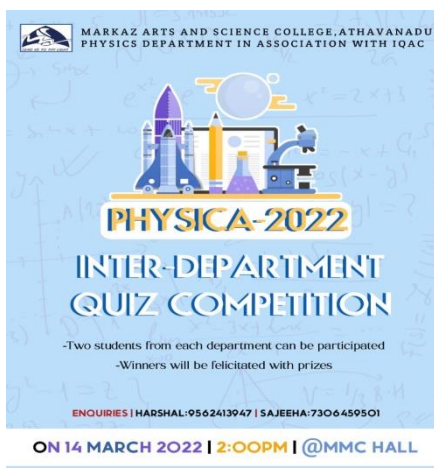
INTER-DEPARTMENT QUIZ COMPETITION

Department physics was conducted an inter department quiz competition 'PHYSICA 2022' as a part of National Science Day Celebration on 14/03/2022 at MMC Hall.

In these quiz competition. 8 departments are participated from Markaz Arts and Science College, Athavanad.

First prize was go to Microbiology Department

(Hunais Babu and Shinsiya) and Second prize was go to Department of Chemistry (Thoyyib and Akshaya). The quiz competition is led by Safna M (B.Sc. Physics 2019-22)



SEMINAR /WORKSHOP

ECOSYSTEM RESTORATION

World Environment Day District Level Webinar on "Ecosystem Restoration" was Organized by Smart Energy Programme (SEP), Malappuram in association with Energy Environmental Conservation Club (EECC), Markaz College, Valanchery on 5th June 2021 in the Google meet platform Dr

R HARIKUMAR. Director, Energy Management centre Government of Kerala Inaugurated the function. **Mr. HAMIDALI O**, District coordinator SEP, Malappuram Presented a topic

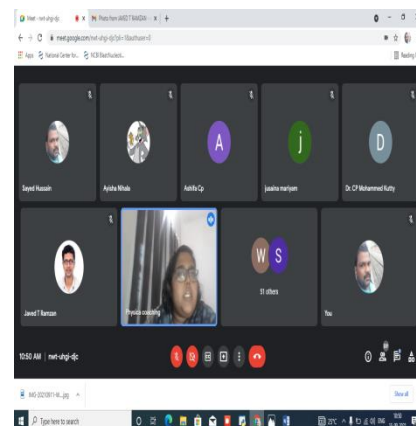
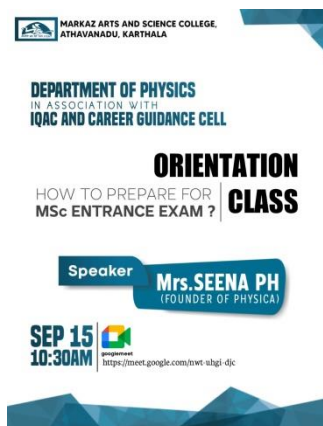


on "Ecosystem Restoration". Malappuram District School SEP coordinators and students were participated in this program

ORIENTATION PROGRAMME

Department of Physics in association with Career Guidance Cell and IQAC jointly organized Orientation Programme for degree students on 15th September 2021.

The Programme was commenced by the welcome speech of Mr. Sayed Hussain, Head of Physics department. The College Principal Dr. CP Muhammed Kutty inaugurated the Programme

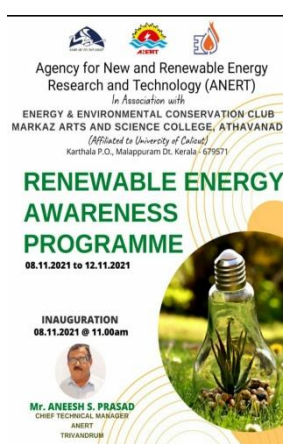


The orientation was intended to give a detailed information on post-graduation course provide by different institution in India and how prepare the M.Sc. entrance exam. The resource person Mrs. Seena PH interacted with participants, cleared their doubt

Mr. Muhammed Basheer, IQAC and Coordinator, Career Guidance Cell proposed vote of thanks, 59 students are participated in the Programme via Google Meet

RENEWABLE ENERGY AWARENESS PROGRAMME

Agency for New and Renewable Energy Research and Technology (ANERT) in association with Energy Environmental Conservation Club, Markaz Arts and Science College, Athavanad and Department of Physics conducted one week awareness Programme on the topic **RENEWABLE ENERGY**. The Programme was commenced by the welcome speech of **Mr. SAYED HUSSAIN**, Head of Physics



department The Programme was inaugurated by **Mr. ANEESH S PRASAD**, chief technical manager on 08/11/2021. **Dr CP MOHAMMED KUTTY** is delivered presidential address. The awareness program consists 13 session in 5 days and each session was handled by different resource person on different topic. Around 50 students are participated in each session

A NATIONAL WEBINAR ON 'HOW DOES PHYSICS MAKE SENSE OF THE WORLD? A LOOK INTO THE THINKING PROCESS'

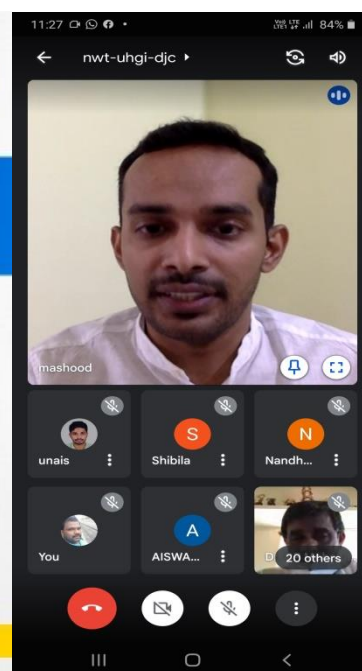
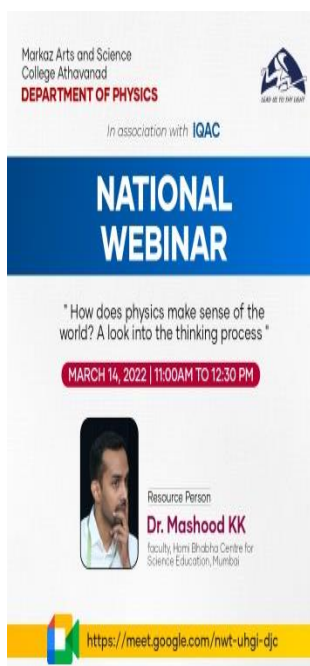
In Association with IQAC, Department of Physics has conducted one day National Webinar on 'How does physics make sense of the world? A look into the thinking process' on

14/03/2022 Monday, This seminar was conducted with the aim of making children aware of the reality of physics.

The seminar led by **Dr Mashood KK**, Faculty of Homi Bhabha Center for Science Education. The class started at 11.00 am and continued till 1.00 pm, was attended by 50 students from inside and outside college.

The seminar was inaugurated by Dr. CP Mohamed Kutty, Principal Markaz Arts

and Science College, Athavanad. The seminar was chaired by Mr. Sayed Hussain, Head of Department of Physics. Department Secretary Mr. Unais P delivered the Welcome Speech. Vice Principal Mr. Mohamed Shafi CC. IQAC coordinator Mr. Mohamed Basheer V and Head of Department of Psychology Mr. Abdul Latheef KA were felicitated this seminar. The Programme was ended with a Vote of Thanks from Mr. Mohamed Shameel, Student's Coordinator



EXTRA-CURRICULAR

- Rumais P (Third year Physics) was won second place in Murshid Memorial Excellence Test 2021-22 (Cash Prize 5000 and certificate)



S.N	NAME OF STUDENT	CLASS	PRIZE	COMPETITION	CATOGORY
1	YASEEN	THIRD YEAR	FIRST	ENGLISH DEBATE	ARTS
2	MOHAMMED FARSEEN	THIRD YEAR	FIRST	STORY WRITING ARABIC	ARTS
3	MOHAMMED FASIL	THIRD YEAR	SECOND	STORY WRITING ARABIC	ARTS
4	Muhammed shameel	THIRD YEAR	FIRST	MALAYALAM DEBATE	ARTS
5	Mohammed harshal	THIRD YEAR	FIRST	SPOT PHOTOGRAPHY	ARTS
6	Mohammed shamil	THIRD YEAR	SECOND	ESSAY WRITING ARABIC	ARTS

NATIONAL SOCIAL SERVICE

No. of students Participated in NSS events

Year	No. of Students
First year	0
Second	4

SCHOLARSHIP

Sl.No.	Name of scholarship	Number of students
1	POST MATRIC SCHOLARSHIP SCHEMES MINORITIES CS	7
2	CENTRAL SECTOR SCHEME OF SCHOLARSHIPS FOR COLLEGE AND UNIVERSITY STUDENTS	1
3	PTA SCHOLARSHIP	2

ALUMINI MEETING

- The Department was conducted Alumini Meet for the batches of 2018-2021 on 15 September 2021 at Physics lab. The programme was inaugurated by Sayed Hussain (HoD, Assistant Professor, and Department of Physics). There were 18 participants including teachers and students.
- The Department was conducted Alumini Meet for the batches of 2016-2019 on 17 September 2021 through Google Meet Platform. The programme was inaugurated by Sayed Hussain (HoD, Assistant Professor, and Department of Physics). There were 18 participants including teachers and students

TEACHERS ATTENDED WEBINARS, SEMINARS AND WORKSHOP

SAYED HUSSAIN

- ❖ Attended an **ORIENTATION PROGRAMME** Organized by the Department of Physics. Markaz Arts and Science College, Athavanad on 15th September 2021

- ❖ FDP on **RECENT TRENDS AND ADVANCEMENTS IN MATERIAL RESEARCH** organized by the PG Department of Physics, MES Keveeyam College Valanchery under the UGC Paramarsh Scheme from 6th to 8th September 2022
- ❖ FDP on **THE ARTS OF TEACHING** organized by the Markaz Arts and Science College, Athavanad in association with MES Keveeyam College Valanchery under the UGC Paramarsh Scheme on 17th September 2022
- ❖ FDP on **HIGHER EDUCATION POLICY 2020** organized by the Markaz Arts and Science College, Athavanad in association with MES Keveeyam College Valanchery under the UGC Paramarsh Scheme on 29th September 2022
- ❖ Participated an Awareness programme **RENEWABLE ENERGY** organized by Agency for New and Renewable Energy Research and Technology (ANERT) in association with Energy Environmental Conservation Club, Markaz Arts and Science College, Athavanad and Department of Physics from 8th -12th November 2022
- ❖ Participated **ENERGY AWARENESS PROGRAMME - URJAKIRAN 2021** organized by State Energy Management Centre and Centre for Environmental and Development in association with Energy Environmental Conservation Club, Markaz Arts and Science College on 9th December 2022
- ❖ National Webinar on **HOW DOES PHYSICS MAKE SENSE OF THE WORLD? A LOOK INTO THE THINKING PROCESS** Organized by the Department of Physics. Markaz Arts and Science College, Athavanad on **14/03/2022 Monday**

JAVED RAMZAN TK

- ❖ District Level Webinar on **ECOSYSTEM RESTORATION** was Organized by Smart Energy Programme (SEP), Malappuram in association with Energy Environmental Conservation Club (EECC) Markaz Arts and Science College, Athavanad on 5th June 2021
- ❖ World Environment Day, Markaz College, Valanchery Attended an **ORIENTATION PROGRAMME** Organized by the Department of Physics. Markaz Arts and Science College, Athavanad on 15th September 2021
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UNAI5 P

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CONCLUSION

Concluding this report, I express my heartfelt gratitude to University of Calicut, Principal, and Members of the management committee, members of teaching and non-teaching staff, parents, all students and well-wishers for their sincere cooperation and assistance bestowed upon this department.

Thank you all

Head of the department