PROGRAMMES ORGANIZED BY DEPARTMENT OF PHYSICS (2022 – 2023)

GOVINDAMMAL ADITANAR COLLEGE FOR WOMEN TIRUCHENDUR - 628215 Department of Physics Organizes an Association Meeting on "BASICS OF NANO PHYSICS" Chief guest: Dr. G. JEEVARANI THANGAM M.Sc., M.Ed., M.Phil., Ph.D., **Assistant Professor of Physics,** PG and Research Department of Physics, Pope's College, Sawyerpuram. DATE : 15.09.2022 : 11.30 AM - 12.30 PM TIME **VENUE: PG SEMINAR HALL Dr. P. JEYANTHI** Dr. J. JACQUELINE AMELIA PRINCIPAL **ASSOCIATE PROFESSOR AND HEAD DEPARTMENT OF PHYSICS**

Mrs. S. USHA ASSISTANT PROFESSOR OF PHYSICS ASSOCIATION SECRETARY FACULTY DEPARTMENT OF PHYSICS

Department of physics

Report of the programme (2022 – 2023)

Name of the programme

Venue

Date

Brief objective of the programme

: Guest Lecture

: PG Seminar hall

: 15.09.2022

:

- To focus the students' attention on the world of nanotechnology.
- To make aware of recent trends in research and applications of. nanomaterials.

Name of the chief guest with designation : Dr. G. Jeevarani Thangam,

Topic of the lecture/event

No. of participants

Outcome of the programme

S.Dohg

Staff in charge

Dr. G. Jeevarani Thangam, Assistant Professor, PG and Research Department of Physics, Pope's College, Sawyerpuram.

: Basics of nano physics

: 133

:

- Students gained more knowledge in fundamental studies and applications of nanotechnology.
- They were informed about the government's financial support in nano research projects and the use of nanotechnology in the medical field to cure the deadly diseases like cancer and brain tumour.

• Students got more ideas for their future research in the field of nanoscience.

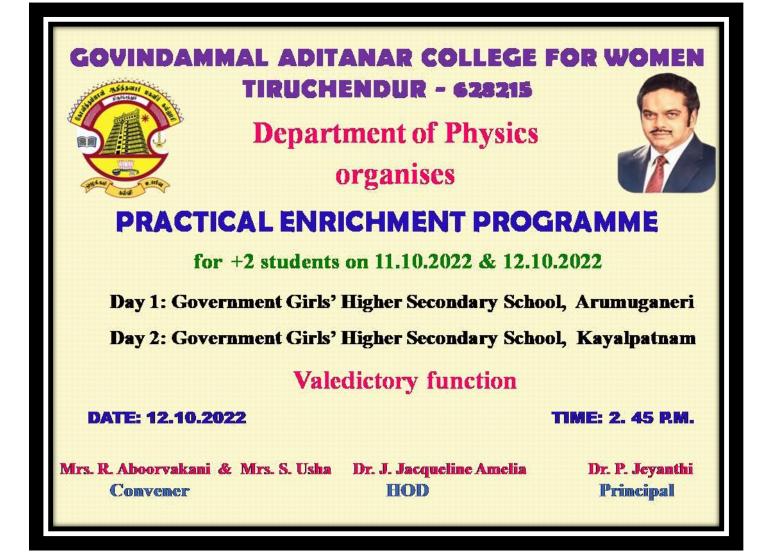
J. Jacqueline Amali.

Head^V of the department









DEPARTMENT OF PHYSICS

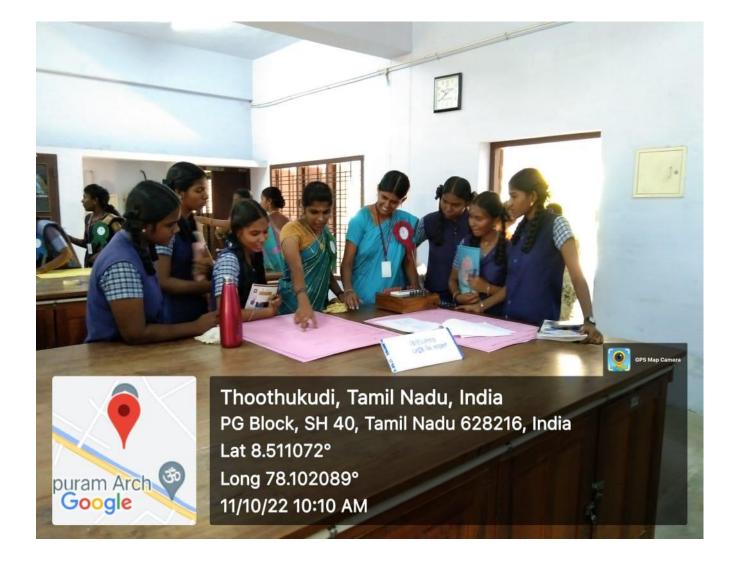
Report of the programme

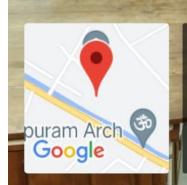
Name of the programme	: Practical enrichment programme
Venue	: PG seminar hall
Date	: 11.10.2022 & 12.10.2022
Brief objective of the programm	 To have great exposure of +2 school students on experimental physics and create interest in the subject of Physics. To demonstrate the physics experiments under the syllabus of +2 Physics to the +2 school students through wide range of physical concepts and processes.
No. of participants	: 220
Outcome of the programme	 About 52 students from Government Girls' Higher Secondary School, Arumuganeri and 84 students from Government Girls' Higher Secondary School, Kayalpatnam were benefited by this programme. The +2 students gained more knowledge in effective practical physics and gained hands on experience of using the instruments. Through this Practical Enrichment Programme, the students understood how to do the experiments by applying the physical concepts. We received excellent response from the feedback of students. The programme helped them face the +2 Physics practical examinations with high confidence. The programme also enhanced the teaching skill of our final year UG students while demonstrating the practicals to the school students.
S. Udra	Torshelling Angeli

S. Udra 21/10/2022 J. Jacqueline Andi R. Aboorvaliani 21/10/2022 Staff in charge Head of the department

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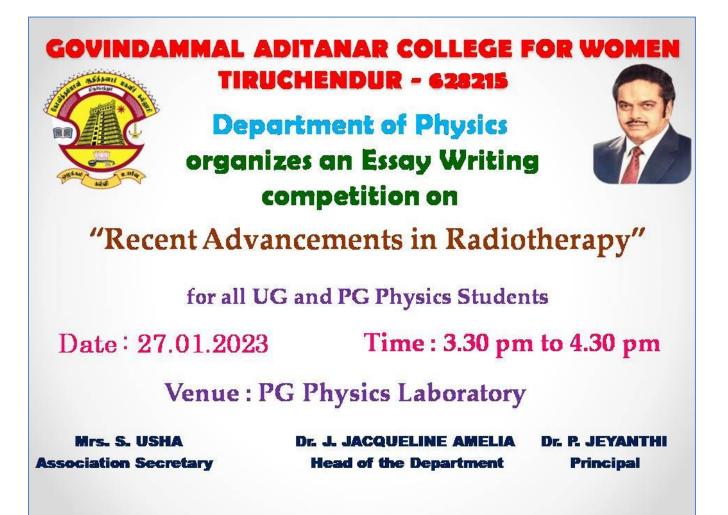




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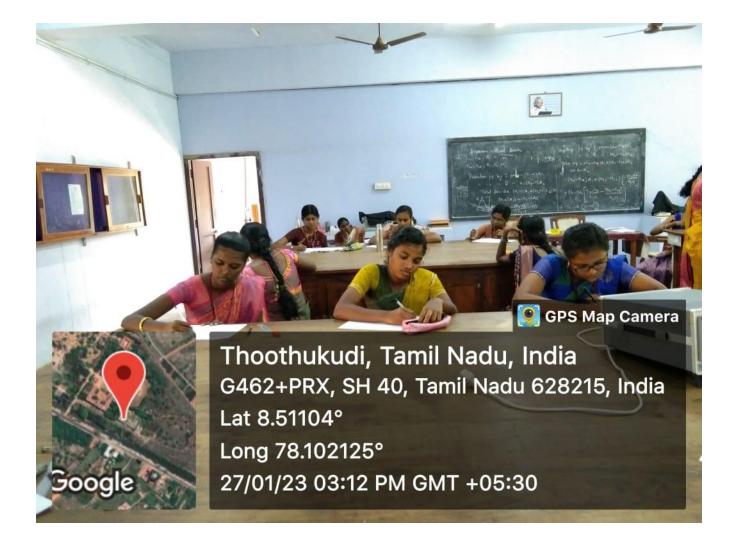
DEPARTMENT OF PHYSICS

Report of the programme

Name of the programme	: Essay writing competition
Venue	: PG Physics laboratory
Date	: 27.01.2023
Brief objective of the programme	 To get insights into the latest technology in medical physics for our students. To create interest in them to undergo post – graduation in radiotherapy.
Name of the Judges with designation	: <u>Judge 1:</u> Dr. R. Gandhimathi, Assistant Professor of Physics. <u>Judge 2:</u> Dr. A. Suganthi, Assistant Professor of Physics.
Topic of the event	: Recent advancements in radiotherapy
No. of participants	: 18
Outcome of the programme	 Students learned that recent radiotherapy technology plays a major role in accurately scanning various diseases of human organs and clinically curing cancer. The competition imbibed motivation in the students about various radiotherapy studies.

S. Usha To 02/2023 Staff in charge

J. Jacquelie Amel-10/02/2023 Head of the department



I and II Prize won by N. Roopa Shenbhaga of III B.Sc. Physics and A. Esha Sadesi of III B.Sc. Physics respectively in Essay writing conducted at the Department of Physics, Govindammal Aditanar College for Women, Tiruchendur.



GOVINDAMMAL ADITANAR COLLEGE FOR WOMEN TIRUCHENDUR - 628215 Department of Physics organizes a Poster Presentation competition on "Role of India in Space Exploration" for all UG and PG Physics Students

Date: 30.01.2023

Time : 3.30 pm to 4.30 pm

Venue : PG Physics Laboratory

Mrs. S. USHA Association Secretary Dr. J. JACQUELINE AMELIA Head of the Department Dr. P. JEYANTHI Principal

DEPARTMENT OF PHYSICS

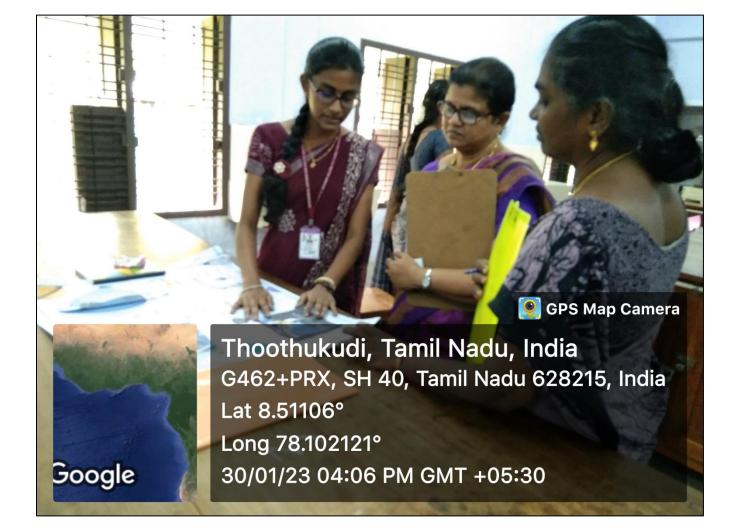
Report of the programme

Name of the programme	: Poster presentation competition
Venue	: PG Physics laboratory
Date	: 30.01.2023
Brief objective of the programme	 To acquire knowledge about space research for our students. To create interest in space exploration to the young buds.
Name of the Judges with designation	: <u>Judge 1:</u> Dr. V. Vasantha Kumari, Associate Professor of Physics. <u>Judge 2:</u> Dr. S. Karpagavalli, Assistant Professor of Physics.
Topic of the event	: Role of india in space exploration
No. of participants	: 09
Outcome of the programme	 The poster presentation in space exploration induced the scientific spirit of the students. This programme supported interest

• This programme created interest among the students to undertake research in space physics in future.

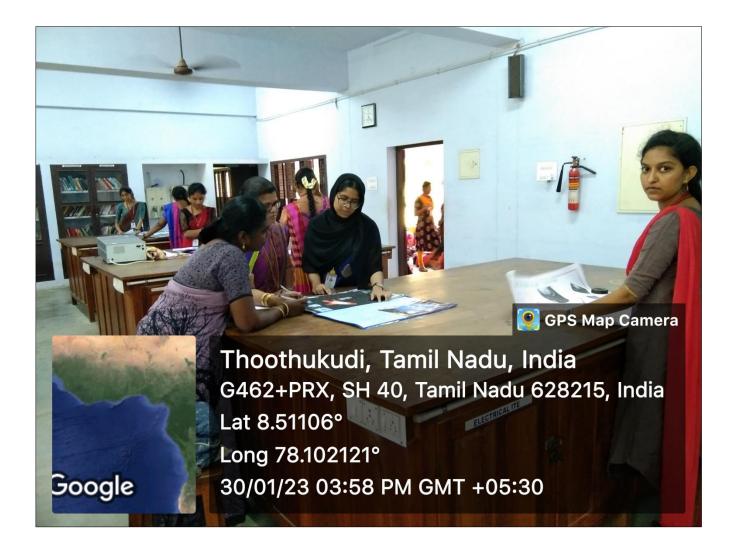
S. Usha Staff in charge

J. Jacquelie And-10/02/2023. Head of the department



I and II Prize won by B. Kanaga Valli of I M.Sc. Physics and M.L. Mohamed Fathima of II B.Sc. Physics respectively in Poster Presentation conducted at the Department of Physics, Govindammal Aditanar College for Women, Tiruchendur.





DEPARTMENT OF PHYSICS

Report of the programme

: 18.04.2023

: Model Interview

: PG Physics laboratory

Name of the programme

Venue

Date

Brief objective of the programme

Name of the interviewers with designation

• To prepare the students to face interviews boldly.

• To know the self-assessment of the students about the subject and general knowledge.

: <u>Panel I:</u>

i. Dr. S. Muthulakshmi, Associate Professor of Physics.

ii. Dr. P. Jamuna, Assistant Professor of Commerce (Batch I).

Panel II:

i. Dr. R. Gandhimathi, Assistant Professor of Physics.

ii. Dr. S. Ambikavathy, Assistant Professor of Chemistry.

Panel III:

- i. Dr. A. Suganthi, Assistant Professor of Physics.
- ii. Ms. S. Praiselin Milcah, Assistant Professor of English.

Panel IV:

- i. Mrs. R. Aboorvakani, Assistant Professor of Physics.
- ii. Dr. G. Petchiammal, Assistant Professor of Zoology.

No. of participants

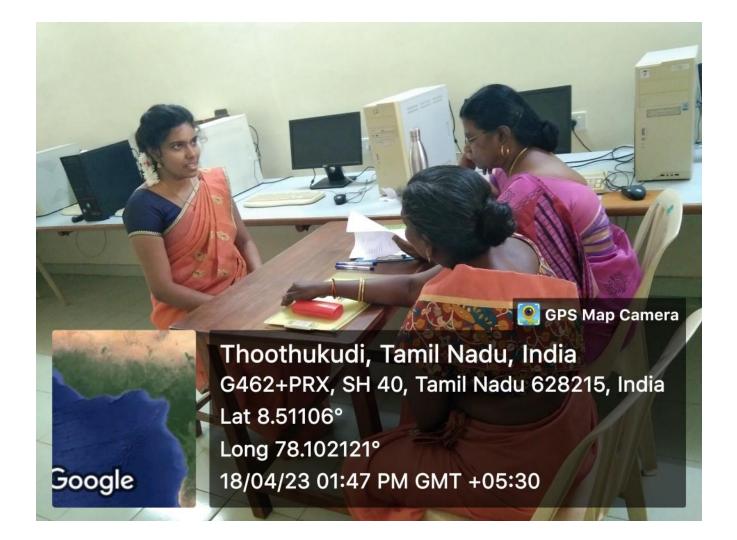
: 52 (UG – 36 and PG – 16)

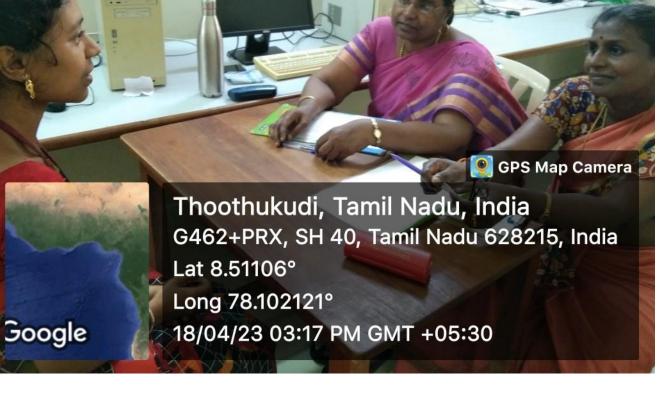
Outcome of the programme

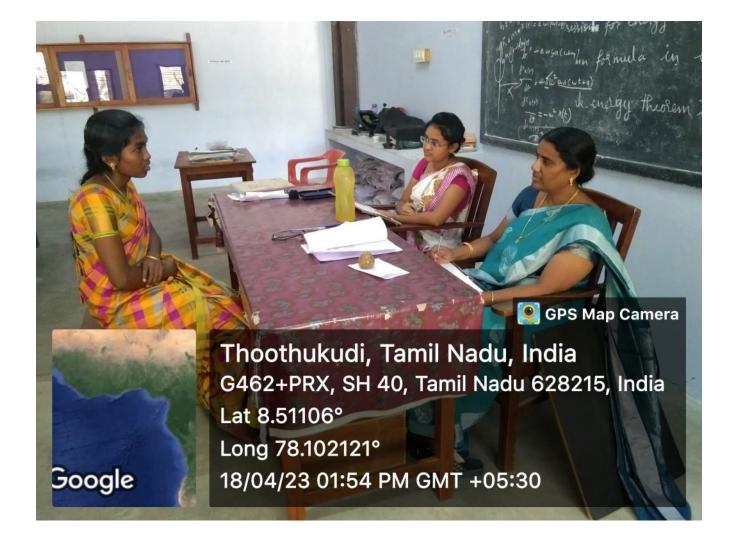
- : The students became courageous to face interviews in future.
 - They also evaluated themselves by this programme and it reduced their stress level to present their responses in front of the interviewers.

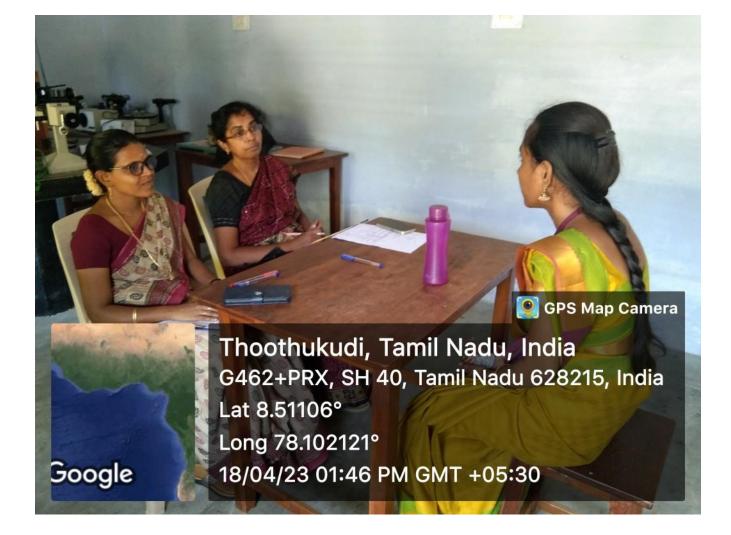
J. Jaquelie Ameli Head of the department

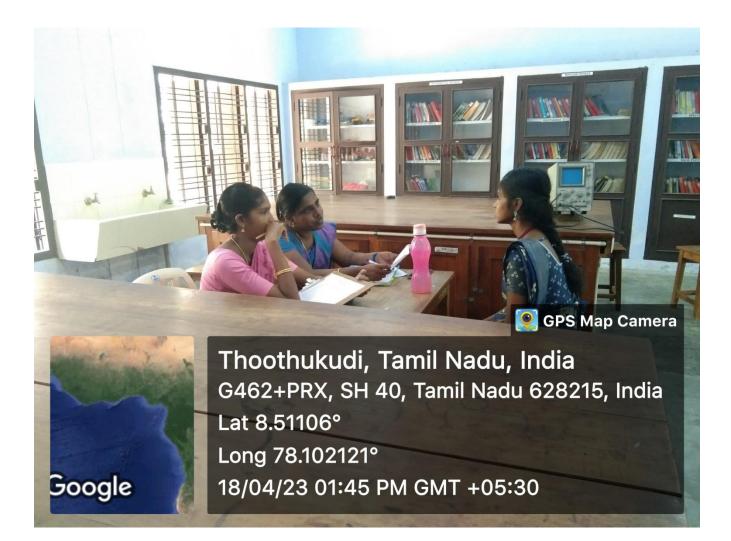
S. Oshg Staff in charge











INTERCOLLEGIATE LEVEL PARTICIPATIONS (2022 – 2023)



KUDANKULAM NUCLEAR POWER PROJECT (NUCLEAR POWER CORPORATION OF INDIA LIMITED)

AND PG & RESEARCH DEPARTMENT OF PHYSICS

POPE'S COLLEGE (Autonomous) Accredited with 'A' Grade by NAAC with CGPA 3.28 Sawyerpuram – 628251

Jointly Organizes

One Day Seminar On NUCLEAR ENERGY FOR THE

SUSTAINABLE DEVELOPMENT OF INDIA & A SOLUTION FOR CLIMATE CHANGE **30th** AUGUST 2022 (AZADI KA AMRIT MAHOTSAV PROGRAMME)

EVENTS

TECHNICAL SESSION CORAL PRESENTATIONS

Department of Physics

Report of the programme

: Seminar and oral presentations on the topic, Name of the programme the "Nuclear energy sustainable for development of India and a solution for climate change".

: Intercollegiate level Level

Name of the organizing institution

Date

No. of participants

Details of the prize winners

: Kudankulam Nuclear Power Project jointly with PG and Research Department of Physics, Pope's College, Sawyerpuram.

: 30.08.2022

: 10

: Oral presentations:

II Place – S. Vinothini (III B.Sc.,)

III Place – U. Subitha (II M.Sc.,)

J. Jacqueline Ameli

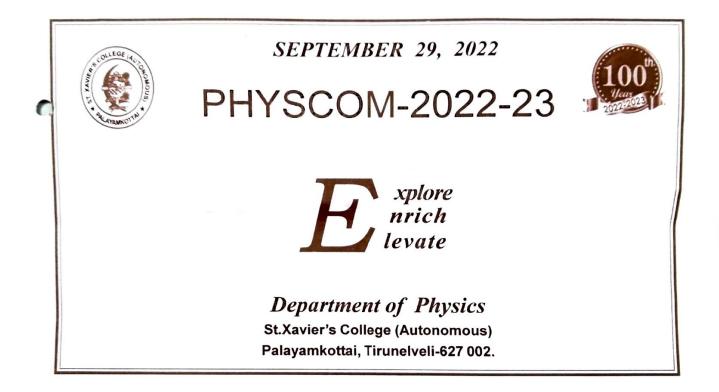
Head of the department

S.Ushy

Staff in charge







Sl.No.	Events	No.of Participants
1.	Paper Presentation (UG &	PG) 1+\
2.	Quiz (UG)	3
3.	Dumb Charade (UG)	3
4.	Collage (UG)	3
J	: 29.09.2022 at 9.00 am presentation: UG: Future Source of Energy	or Wireless Electricity
	oon a mare bounce of Energy	
	PG : Advanced Materials for E	
	PG : Advanced Materials for E	nergy Harvesting or and Space Weather Hazards

Department of Physics

Report of the programme

Name of the programme	: PHYSCOM-2022-23
Level	: Intercollegiate level
Name of the organizing institution	: Department of Physics, St. Xavier's college (Autonomous), Palayamkottai, Tirunelveli – 627 002.
Date	: 29.09.2022
No. of participants	: 12
Details of the prize winners	:
· .	1. <u>Paper presentations</u> : II Place – M. Geetha bharathi (II M.Sc.)
	 2. <u>Quiz</u>: II Place – A. Swathika (II B.Sc.) N. Nagalakshmi (III B.Sc.) M. Snegadharshini (III B.S.)

S. Osha

Staff in charge

J. Jacqueline Amel: Head of the department







About the Institution

Aditanar College of Arts and Science was established in the year 1965, by Si. Pa. Aditanar aimed at creating well qualified and competent students to cater to the rising demand of personnel across the globe and to impart quality education based on values and discipline to the needy and the under privileged. The college is affiliated to the Manonmaniam Sundaranar University, Tirunelveli and re-accredited in the third cycle with 'A' grade by NAAC.

The college offers twelve Under Graduate programmes, five PG programmes and five M.Phil., programmes (Economics, English, Mathematics, Chemistry and Zoology). The research centre in Maths, Economics, English, Chemistry and Zoology offer Ph.D. programme. To enrich the literacy and cultural talents of the students, various literacy and cultural clubs are functioning in our college. Several major and minor research projects sponsored by UGC, DST and TNSCST have been undertaken by our staff members.

About the Department

Department of Chemistry was established in the year 1966. The Department offers B.Sc., Ph.D. programs and Certificate/Diploma courses in Soil Science and Agricultural Chemistry. Department organizes innovative and relevant activities for the students regularly. The Department was recognized in 2008 as a research centre by Manonmaniam Sundaranar University, Tirunelveli. The Department has produced nearly 20 Ph.D. scholars. The department has the state-of-art equipment necessary for curricular needs.

About the Seminar

The aim of the seminar is to create an effective forum for active participants from academia, industry and research institutes to connect and discuss recent breakthroughs in chemistry.

International Seminar OD

"Advanced Materials and their Applications"

25th January 2023



Organized by Department of Chemistry & Research Centre

Aditanar College of Arts and Science (Re-accredited in the Third Cycle with "A" Grade by NAAC) Virapandianpatnam Tiruchendur, Tamil Nadu. www.aditanarcollege.com

Organizing Committee

Patron

Thiru. S. Balasubramanian Adityan Chairman Aditanar Educational Institution

Advisors:

Dr. S. Jeyakumar Secretary

> Dr. D. S. Mahendran Principal

Convener:

Dr. C. Kavitha Head & Assistant Professor

Organizing Secretaries:

Dr. K. Jacinth Mispa	Dr. P. Deepa Rani
Assistant Professor	Assistant Professor

Committee Members:

Dr. I. Abulkalam Azath	Miss. T. Kodispathi
Assistant Professor	Assistant Professor

Dr. A. Ramdass Assistant Professor

Oral/ Poster Presentation -

Young researchers, UG and PG final year students can present their research work. Selected abstract will be intimated through mail. Best oral and poster presentation will be awarded.

Last date for abstract submission: 18-01-2023

Guidelines for abstract

Abstract - 500 words (max.) Keywords - 5-6 keywords Font & Size - Times New Roman & 12 Line spacing - 1.5 Doc. Size - A4 Margin - 1.5" on all sides

Guidelines for Poster

Breadth : 90 cm length : 80 cm

Email abstracts/papers to adchem2023@gmail.com on or before 18/01/2023. Abstracts/papers will be published in proceedings with ISBN.

Registration fee

Students: Rs. 200/-Research Scholars: Rs. 300/-

Spot registration is allowed. Registration fees to be paid only by cash. The Fee covers seminar kit, refreshment and lunch. No TA/DA will be paid.

Registration Link

https://forms.gle/hiivVgHdaSZiEo386

For Further Assistance

Dr. K. Jacinth Mispa +91 9443507225

Dr. P. Deepa Rani +91 9003321573

Resource Persons



Dr.S.Veerapandian M.Sc., Ph.D., Research Assistant Professor Department of Material Science and Engineering POSTECH,South Korea



Dr. M.Rajan M.Sc., Ph.D., Assistant Professor Department of Natural Products Chemistry Maduraikamaraj University Madurai

PROGRAMME

25.01.2023 Wednesday Venue : Indoor Auditorium

9.30 -10.00 am	: Registration
10.00-10.45 am	: Inauguration & Key note address
10.45-11.00 am	: Tea Break
11.45-1.00 pm	: Session I
1.00 -1.55 pm	: Lunch
2.00-3.00 pm	: Session II
3.00-3.10 pm	: Tea Break
3.10-4.00 pm	: Paper Presentation

DEPARTMENT OF PHYSICS

Report of the programme

Name of the programme	: International seminar on "Advanced Materials and their Applications"
Level	: International level
Name of the organizing institution	: Department of Chemistry & Research Centre, Aditanar College of Arts and Science, Virapandianpatnam, Tiruchendur – 628 215.
Date	: 25.01.2023
No. of participants	: 04
Details of prize winners	 Poster presentation: I Place – S. Sugirtha (II – M.Sc.) Oral presentation:
	II Place – M. Geetha Bharathi (II – M.Sc.)

S. Staff in charge

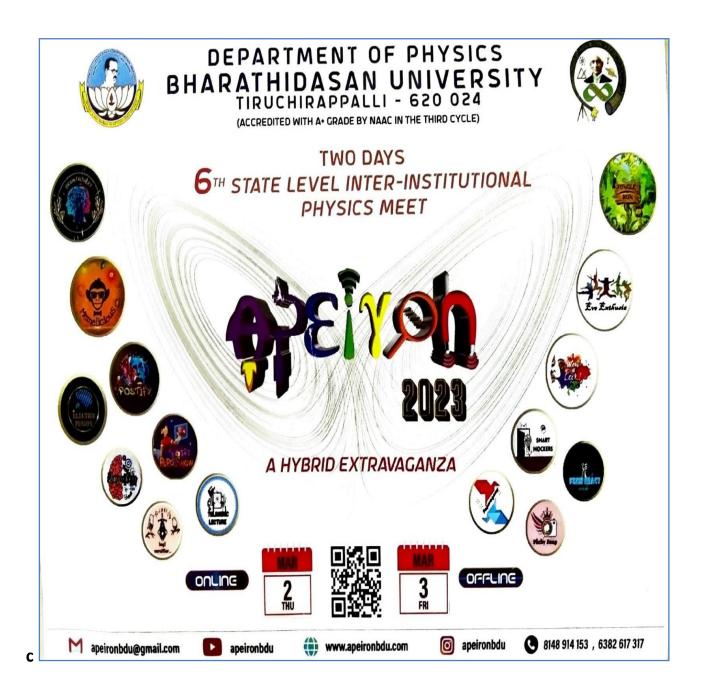
J. Jacqueline Ameli 10/02/2023 Head of the department



I Prize won by Ms. S. Sugirtha of II M.Sc Physics in poster presentation conducted at the international seminar organized by Department of Chemistry, Aditanar College of Arts and Science, Tiruchendur.



II Prize won by Ms. M. Geetha Bharathi of II M.Sc Physics in oral presentation conducted at the international seminar organized by Department of Chemistry, Aditanar College of Arts and Science, Tiruchendur.



DEPARTMENT OF PHYSICS

Report of the programme

Name of the programme	:	APEIRON - 2023 (Two day 6 th State level inter - institutional physics meet)
Mode	:	Online
Level	:	State level
Name of the organizing institution	:	Department of Physics, Bharathidasan University, Tiruchirappalli – 620 024.
Date	:	02.03.2023
No. of participants	:	08
Details of prize winners	:	PoPo show (Quantum Teleportation) III Place – M. Geetha Bharathi (II M.Sc.)
		<u>Brain trovert</u> II Place – D. Santhiya (III B.Sc.)

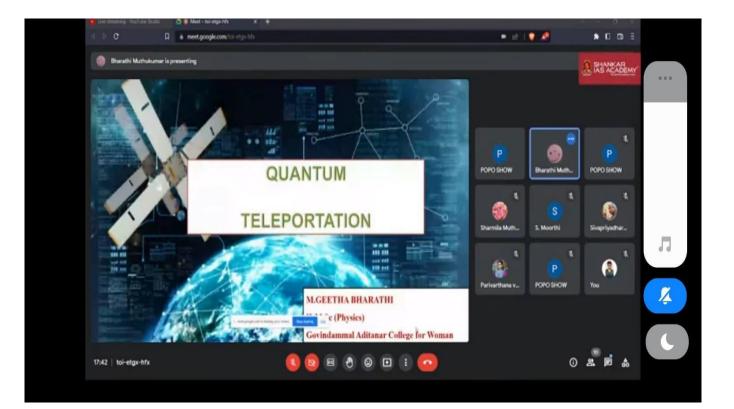
N. Nagalakshmi (III B.Sc.)

S. Ushy

Staff in charge

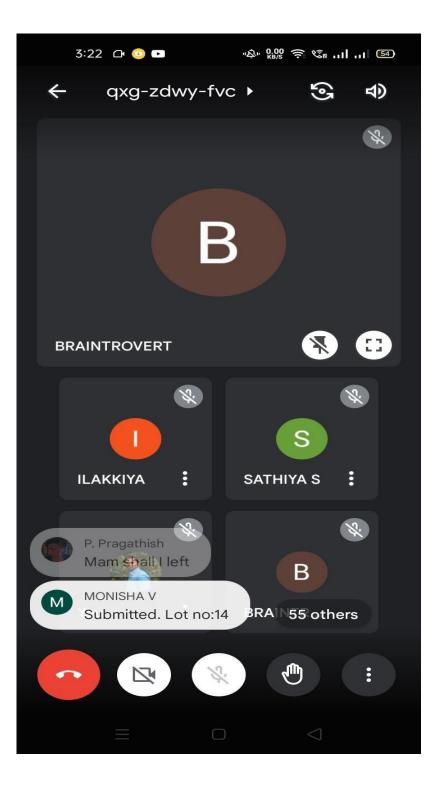
J. Jacqueline Ameli

Head of the department



PoPo show (Online)

	DEPARTMENT OF PHYSICS BHARATHIDASAN UNIVERSITY ACCREDITED WITH A* GRADE BY NAAC IN THE THIRD CYCLE TIRUCHIRAPPALLI-620 024
1	COPENSATION OF COMPANY
	CERTIFICATE OF APPRECIATION
K	THIS IS TO CERTIFY THAT
	MR./MS. GEETHA BHARATHI.M
	GOVINDAMMAL ADITANAR COLLEGIE FOR WOMEN
	HAS WON THIRD PLACE IN
	POPO SHOW IN APEIRON 2023
	SIXTH STATE LEVEL INTER-INSTITUTIONAL PHYSICS MEET HELD DURING 02-03 MARCH, 2023
	HEAD DEPARTMENT OF PHYSICS



Brain trovert (Online)

DEPARTMENT OF PHYSICS BHARATHIDASAN UNIVERSITY (ACCREDITED WITH A* GRADE BY NAAC IN THE THIRD CYCLE) TIRUCHIRAPPALLI-620 024	
COPENSATION OF COMPANY	
CERTIFICATE OF APPRECIATION THIS IS TO CERTIFY THAT MR./MS	
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SIXTH STATE LEVEL INTER-INSTITUTIONAL PHYSICS MEET HELD DURING 02-03 MARCH, 2023	/
HEAD DEPARTMENT OF PHYSICS	

DEPARTMENT OF PHYSICS BHARATHIDASAN UNIVERSICY (Accredited with A+ Grade by NAAC IN the THIRD CYCLE) TIRUCHIRAPPALLI-620 024	
CERTIFICATE OF APPRECIATION	
THIS IS TO CERTIFY THAT MR./MS. Nagalakshmi N Porundammal Obditanar Callege for Women	
HAS WON BUOND PLACE IN BrainTrovert IN APEIRON 2023, SIXTH STATE LEVEL INTER-INSTITUTIONAL PHYSICS MEET HELD DURING 02-03 MARCH, 2023	
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