



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE, KAYALPATNAM
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Run by Wavoo SAR Educational Trust
(Minority Institution)



DEPARTMENT OF PHYSICS

ANNUAL REPORT

(2020-2021)



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE, KAYALPATNAM
 (Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Run by Wavoo SAR Educational Trust
(Minority Institution)



DEPARTMENT OF PHYSICS

Vision

Enabling the students to ensure their full potential

Mission

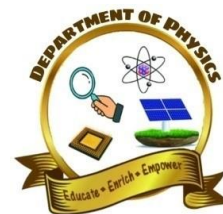
- To inculcate problem solving skills for the application and empowering the students to become an independent thinker through innovative teaching.
- To impart quality education in acquiring conceptual understanding of Physics and enabling the power of Physics to the foremost scientific problems.
- To promote the public understanding of Physics by educating the next generation.
- To transform the young minds to competent professionals with good human values.

Faculty Members

1. **Mrs. R. Sujatha M.Sc., M.Phil.,**
2. **Mrs. S. V. Siva Abinaya M.Sc., M.Phil.,**
3. **Ms.A. Jai Nirmala M.Sc., M.Phil.,B.Ed.,SET**
4. **Mrs. B. Ruby Lalitha M.Sc., M.Phil.,**
5. **Mrs. S.Pushpa M.Sc., B.Ed.,M.Phil.,SET**
6. **Miss. T. Kohila Jenifer M.Sc., B.Ed.,**



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE, KAYALPATNAM
 (Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Run by Wavoo SAR Educational Trust
(Minority Institution)



S. NO	CONTENT	PAGE NO.
1	ONLINE CLASSES	4
2	NATIONAL LEVEL E- QUIZ	4
3	STAFF ACTIVITIES	5-9
4	STUDENT ACTIVITIES	9-11

ONLINE CLASSES:

Online classes were conducted from 08.06.2020 to 12.06.2020. conducting two classes per day using Zoom App. The students enthusiastically participated in the classes.

Our Department staff members enthusiastically developed e-content based on the current syllabus of the university and has created a YouTube channel 'Physics Class – Wavoo Wajeetha. Seven videos were uploaded in the channel and the channel is being linked with our college YouTube channel too.

NATIONAL LEVEL E-QUIZ

A National Level E-Quiz is being organised and conducted in the name 'Physics Quest 2020' from 08.06.2020 to 12.06.2020 from our department and we are receiving overwhelming response from the colleges all over Tamil Nadu and also from other State. 241 participants have participated in the National Level E-Quiz.

Some of the notable participants are from

- CSIR National Physical Laboratory, New Delhi.
- PSG College of Arts and Science, Coimbatore.
- Elphinstone College Higher Educational Institution, Mumbai.
- Kamla Lohita S.D College, Ludiana
- Abhinav Pragya Mahavidyalaya, Hardaurpur, Fatehpur

STAFF ACTIVITIES

Participation in Webinars/Workshop/Conferences/Symposium/Training

S.No.	Name of the staff	Title of the programme	Type (State/National /International)	Date	Organized by
1	S. PUSHPA	“Soil Science: an Overview”	Webinar	19.6.2020.	Department of Agriculture, Dolphin(P.G.) Institute of Medical and Natural Sciences, Manduwala, Dehradun,
		“Powder X-Ray Diffraction Patterns Analysis using Openwares”	Webinar	22.6.2020.	PG Department of Physics, V.O.Chidambaram College
		“SPECTROSCOPY”	International Webinar	25.6.2020.	Department of Physics, Lekshmipuram College of Arts and Science, Neyyoor
		“Recent Advances in Materials Science and Technology”	International Webinar	26.6.2020.	Department of Physics, Aditanar College of Arts and Science, Tiruchendur.
		“Amazing Super conductivity”	Webinar	30.6. 2020.	Department of Science and Humanities, SCAD Polytechnic College on
		“Spectroscopic Identification of Materials”	Webinar	9.7. 2020.	Department of Physics, A.P.C. Mahalaxmi College for Women
		“An Insight on Human Values”	Webinar	13.7. 2020.	Department of Science and Humanities, Einstein College of Engineering
		“Surface Ozone Air pollution and its impacts on the Environment”	Webinar	15.7. 2020	Department of Physics, A.P.C. Mahalaxmi College for Women
		“Dating Geo-	National	17.7 2020.	Department of Physics,

2.		Archaeological Materials using luminescence”	Webinar		A.P.C. Mahalaxmi College for Women
		“Studies on Phase - Matchable Non-Linear Optical Materials”	Webinar	8.8. 2020.	Department of Science and Humanities (Physics), Nehru Institute of Technology, Coimbatore
		“Recent Trends in Physics of Materials”	National Webinar	9.8. 2020.	PG & Research Department of Physics, Pachaiyappa’s College, Chennai.
	T.KOHILA JENIFER	“GENDER BASED VIOLENCE”	Webinar	13.07.2020	PG Department of Chemistry, A.P.C. Mahalaxmi College for Women
		‘SPSR Talk on’ Hair Fall Management, Diet and Homeopathy Treatment’	Webinar	5.7.2020	Society of Pharmaceutical Sciences and Research (SPSR)
		“Materials for Oxidative Desulfurization of Liquid Fuel”	International Webinar	25.07.2020.	Department of PG Chemistry, Aditanar College of Arts and Science, Tiruchendur
		'Spectroscopy and Solid State Chemistry'	National Webinar	17&18.7.2020.	School of Studies in Chemistry & Biochemistry, Vikram University, Ujjain, M. P., India
		“Dye Molecules for Sustainable Future Energy”	National Webinar	7.7.2020	Hajje Karutha Rowther Howdia College, Theni.
		“Recent Trends in Crystal Growth”	National Webinar	10.7.2020	Research Department of Physics, St. Xavier’s College, Palayamkottai.
		“Post COVID Effects and	International Webinar	7&8.7.2020	Susana Methodist Girls B.Ed., College, Roorke.

		Challenges on the Field of Education”			
		“Interface between Chemistry and Environment”	National Webinar	10.7. 2020	Department of Chemistry, DR. SHYAMA PRASAD MUKHERJEE UNIVERSITY
3.	S. JESSIE JANCY RANI	Nano Materials	National Webinar	6.6. 2020	Sadakathullah Appa college(autonomous), Tirunelveli
		Spectroscopic Identification of Materials	National Webinar	9.7.2020	.P.C. Mahalaxmi College for women, Thoothukudi
4.	S.V.SIVA ABINAYA	Applied Quantum Mechanics	National Webinar	14.6.2021	P.G and Research Department of Physics, Sadakathullah Appa college(autonomous), Tirunelveli
		E-Lecture series one on energy & optical Materials	Science Talk	6.6.2020	St. John’s College, Palayamkottai.
		Creating Digital Posters, Creation of GIFimages, Finding Copyright free images/Sound, Introduction to Interactive E-Content & Creation of E-content.	Workshop	2-6.6.2020	Universal Teachers Academy, Poducherry, UTA-Kallakurichi & Chinnasalem

Faculty Development Programme/Refresher/ Orientation/short term courses

S.No	Name of the staff	Faculty Development Programme/Refresher/ Orientation/short term courses	Title of the programme	Organizer	Venue& Duration
1	A.JAI NIRMALA	Faculty Development Programme	ICT based Teaching and Learning process	Roorke College Of Polytechnique	1-5. 07.2020
		Faculty Development Programme	Online Teaching and Learning tools-Series I	Sarah Tucker College	13.06. 2020
		Faculty Development Programme	Online Teaching and Learning tools-Series II	Sarah Tucker College	04.07. 2020
		Faculty Development Programme	Online Teaching and Learning tools-Series III	Sarah Tucker College	11.08. 2020
		Orientation Program	Faculty in Universities/Colleges/Institutes Of Higher Education	Ramanujan College, University of Delhi	10.11. 2020 to 09.12. 2020
		Faculty Development Programme	Professional Guidance on Writing Research Articles and Applying for Funded Projects	Sarah Tucker College	07.06. 2021
		Faculty Development Programme	Augmented reality & Virtual Reality	AISSMS College of Engineering	21- 25.06. 2021
2.	T.KOHILA	Capability	“STEPS: Success	Internal Quality	14.7. 2020.

	JENIFER	Enhancement Programme	Through Essential People Skills”	Assurance Cell, A.P.C.MAHALA XMI COLLEGE FOR WOMEN	
3.	S. JESSIE JANCY RANI	Faculty Development Programme	Physics Of Materials	Sadakathullah Appa college(autonomous), Tirunelveli	6.6.2020
4.	S. V.SIVA ABINAYA	Faculty Development Programme	21 st Century Teaching Skills	Wavoo Wajeeha Women’s College, Kayalpatnam.	18.3.2021

STUDENT ACTIVITIES

Participation of students in webinar

S.No	Name of the student	Class	Programme	State/National/International	Date & venue	Evidence
1.	N. Nattarmuthu	III B.Sc., Physics	Power Seminar titled “Born to Succeed”	State	5.2.2021	Certificate Received
2.	M.A.Hameeda Sabreen	III B.Sc., Physics	Imun online Conference 12.0	International	4&5. 7.2020	Certificate Received
3.	S. Annamalsubisha	I B.Sc., Physics	Webinar entitled “Diabetes Awareness”	National	7.12.2020	Certificate Received

Students Participation in Competitions

S.No	Name of the competition	Name, Class & department of the student participated	Date	Name of the department organized
1.	Online Quiz	S. Duraivathi, III B.Sc., Physics	11.7.2020	Dept. of physics, Dr. M.G.R. Educational and Research Institute.
2.	National Online Quiz	S. Duraivathi, III B.Sc., Physics	06.&07. &.2020	Dept. of Chemistry, KPR Institute of Engineering and Technology.
3.	National Online Quiz	S. Duraivathi, III B.Sc., Physics	16 & 17. 07.2020	Dept. of physics, V. G. Vaze college of Arts and Scienceand Commerce, Mulund.
4.	National Online Quiz	N. Nattarmuthu, III B.Sc., Physics	25.6.2020	Dept. of Chemistry & Research centre, Pope's College, Sawyerpuram.
5.	National Online Quiz	N. Nattarmuthu, III B.Sc., Physics	10.7.2020	Dept. of Chemistry, Sourashtra College, Madurai.
6.	National Online Quiz	N. Nattarmuthu, III B.Sc., Physics	06.&07. &.2020	Dept. of Chemistry, KPR Institute of Engineering and Technology.
7.	Online Quiz	N. Nattarmuthu, III B.Sc., Physics	11.7.2020	Dept. of physics, Dr. M.G.R. Educational and Research Institute.
8.	Online Quiz	A. Priya Raman, III B.Sc., Physics	24 & 25.6.2020	Dept. of physics, A.P.C. Mahalaxmi College, Thoothukudi
9.	International Online Quiz	A. Priya Raman, III B.Sc., Physics	19 & 20.6.2020	Saradar Raja Arts & Science College, Vadakkangulam.
10.	National Online Quiz	A. Priya Raman, III B.Sc., Physics	6.2020	Dept. of physics, G. Pulla Reddy Degree & P.G. College, Hyderabad.
11.	Online Quiz	A. Priya Raman, III B.Sc., Physics	24 - 27.6.2020	Dept. of Chemistry, Govindammal Aditanar College for Women, Tiruchendur.

12.	Online Quiz	A. Priya Raman, III B.Sc., Physics	24 - 27.6.2020	Dept. of Physics, Govindammal Aditanar College for Women, Tiruchendur.
13.	Online Quiz	A. Priya Raman, III B.Sc., Physics	27.6.2020	Dept. of Physics, Noorul Islam Centre for Higher Education, Kumaracoil.
14.	Quiz	M. Ayisha Siddqa, III B.Sc., Physics	17.3.2021	Dept. of Tamil. Wavoo Wajeeha Women's College, Kayalpatinam.
