

**DEPARTMENT OF PHYSICS**  
**ACTIVITIES (2023-2024)**  
**(Association meetings, Guest Lectures, Celebration of Important days)**

<b>S.No</b>	<b>Date</b>	<b>Topic</b>	<b>Resource Person (designation with complete official address)</b>	<b>Event</b>	<b>Platform</b>
1	19.07.2023	An overview of Electronics	Dr. K. Venkatachalam, Associate Professor, Department of Physics, Government Arts College, Coimbatore- 641 018.	Physics Association's inaugural meeting	offline
2	02.08.2023	Preparation of Competitive Examinations	Lt. Dr. A. K. Priya, Professor, Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore.	Orientation Session	Offline
3	22.08.2023	Flip flops and their applications	Dr. R. Suresh, Assistant Professor, Department of Physics Sri Ramakrishna Mission Vidyalaya College of Arts and Science Coimbatore – 641020	Guest Lecture	Offline
4	31.01.2024	The Future of Photonics: Emerging Trends and Technologies	Dr. A. Jacquiline Regina Mary, Associate Professor and Dean of Academics, Department of Physics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam – 625601	Webinar	Online
5	02.02.2024	Seminar - Career Guidance – Scope and Opportunities for a Promising Future	Dr. M. Senthilkumar M.Sc., PhD, Assistant Professor (SG) Division of Physical Sciences Karunya Institute of Technology and Sciences Coimbatore – 641 114	Seminar	Offline

6	23.03.2024	Health Care for Women	Dr. L. Catherine Zipporah Dental surgeon Sri Venkateswara Dental College and Hospital Chennai	Guest Lecture	Online
7	28.02.2024	The Success Story of Indian Nuclear Power Program	Dr. D. Khanna Assistant Professor Department of Applied Physics Karunya Institute of Technology and Sciences Coimbatore – 641 114	Guest Lecture	Offline

### Competitions Organized

S.No	Date	Topic	Name of the Competition	Platform
1	24.07.2023	Fizika-2023	Quiz	Offline
2	25.07.2023	Best Start Up	Interdepartmental Competition	Offline
3	01.08.2023	Transition to transformation – Theme	Model Making	Offline
4	21.10.2023 - 23.10.2023	Dr.A.P.J Abdul Kalam – Missile Man of India	Quiz	Online

### WORKSHOPS, SEMINARS, CONFERENCES, SYMPOSIUMS, HANDS ON TRAININGS ORGANISED BY THE DEPARTMENT

#### State level Workshops Organized by the Department

S. No	DATE	TOPIC	RESOURCE PERSON	No. of Participants	Platform
1	19.10.2023	Entrepreneurship and Innovation as Career Opportunity	Ms. Tanya Siju, II B.Sc. Physics, Nirmala College for Women (Autonomous), Coimbatore.	59	Offline
2	19.12.2023	Spectrophotometry	Dr. S. Sivashankari	30	Offline

			Associate Professor & Head Department of Bioinformatics Nirmala College for Women Coimbatore		
3	23.01.2024	Operation of an Oscillator	Mr. S.P. Senthil Subramaniam, Mighty Electronics Equipment's Corporation, Coimbatore	23	Offline
4	01.02.2024	Success Starts Here: Entrepreneurial Skills & Attitudes	Ms. Sherlin Infancia, Fashion Designer	42	Online - Google meet
5	14.03.2024	Workshop on Sesin keychain making	M. Sreeja III. B.Sc., B.Com (E.Com), Nirmala College for Women	-	Offline

#### **International level Seminars and Conferences Organized by the Department**

S. No	DATE	TOPIC	RESOURCE PERSON	No. of Participants	Platform
1	29.09.2023	Development of Energy Storage Technology – A view of battery material design	Dr. R. Muruganantham, Department of Chemical Engineering, R & D Center for Membrane Technology, Research Center for Semiconductor Materials and Advanced Optics, Chung Yuvan Christian University (CYCU), Chung Li District, Taoyuan city 32023, Taiwan	57	Online

### **State level Seminars and Conferences Organized by the Department**

<b>S. No</b>	<b>DATE</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>No. of Participants</b>	<b>Platform</b>
1	25.08.2023	Ion Beams in Material Processing and Research Opportunities	Dr. P. Matheswaran, Assistant Professor, Department of Physics, Kongunadu Arts and Science College, Coimbatore – 641 029	12	Offline

### **National level Symposia Organized by the Department**

<b>S. No</b>	<b>DATE</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>No. of Participants</b>	<b>Platform</b>
1	4.10.2023	Nanotechnology and its applications  Conducting polymer composites for anti-bacterial and anti-cancer activity  Energy conservation, audit and management	Dr. S. Saravanan, Associate Professor, Department of Science and Humanities, Swarnandhra College of Engineering & Technology, Narsapur, Andhra Pradesh – 534280.  Dr. P. Jayamurugan, Assistant Professor, Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.  Dr. P. Maadeswaran, Assistant Professor, Department of Energy Science and Technology, Periyar University, Salem – 636011.	52	Online

### EXPOSURE VISITS

S. No	DATE	CLASS	PLACE	No. of days	No of students	Type
1	13.07.20 23	UG Physics Students	Plasma Exhibition Bharathiar University	1	30	-
2	07.09.20 23	II B. Sc. Physics	Mighty Electronics Equipments Corporation – Coimbatore	One day	10	Industrial Visit
3	21.09.20 23 – 23.09.20 23	III B. Sc. Physics	Bangalore & Mysore	Three Days	8	Educational Tour

### BEST PRACTICES OF THE DEPARTMENT

SL. No.	DATE	DEPT	ACTIVITY
1	08.09.2023	Physics	Survey on Energy consumption in Houses

### FDP ATTENDED BY THE FACULTY

S.No	Date	Name of the faculty	Title	Organized by	Online/Offline
1	03.07.2023 – 07.07.2023	W. Maria Therese Ramya	National Level Five Day Virtual Faculty Development Programme	Department of Management Studies, KG College of Arts and Science, Coimbatore -	Online
2	03.07.2023 – 07.07.2023	R. Leethiyal	National Level Five Day Virtual Faculty Development Programme	Department of Management Studies, KG College of Arts and Science, Coimbatore -	Online
3	03.07.2023 – 07.07.2023	A. Yuvarani	National Level Five Day Virtual Faculty	Department of Management Studies, KG College of Arts	Online

			Development Programme	and Science, Coimbatore -	
4	03.07.2023 — 07.07.2023	S. Krishnaveni	National Level Five Day Virtual Faculty Development Programme	Department of Management Studies, KG College of Arts and Science, Coimbatore – 641 035	Online
5	21.08.2023 — 26.08.2023	Dr. R. Amutha	Recent Advances in Nanomaterials and Nanotechnology	Department of Science and Humanities, Kalaignar Karunanidhi Institute of Technology, Coimbatore, Tamil Nadu.	Online
6	07.10.2023	Dr. R. Amutha	Data Analytics	Nirmala College for Women, Coimbatore	Offline
7	07.10.2023	R. Leethiyal	Data Analytics	Nirmala College for Women, Coimbatore	Offline

#### **TRAINING PROGRAMMEs ATTENDED BY THE FACULTY**

S.No	Date	Name of the faculty	Title	Organized by	Online/Offline
1	08.08.2023	Dr. R. Amutha	National Intellectual Property Awareness Mission	Intellectual Property Office, India	Offline
2	08.08.2023	W. Maria Therease Ramya	National Intellectual Property Awareness Mission	Intellectual Property Office, India	Offline
3	08.08.2023	X. Mary Josephine	National Intellectual Property Awareness Mission	Intellectual Property Office, India	Offline
4	08.08.2023	S. Krishnaveni	National Intellectual Property Awareness Mission	Intellectual Property Office, India	Offline

#### **PARTICIPATION OF THE FACULTY IN CONFERENCES**

S. No	Date	Name of the faculty	Title	National/Intl	Organizing Committee with Address	Platform
1	10.08.2023 – 11.08.2023	Mrs. X. Mary Josephine	Advanced Biocompatible Materials and Devices / Systems for Biomedical Applications (ABMDB – 2023)	National	Department of Physics and Biomedical Engineering, Sri Ramakrishna Engineering College, Vattamalaipalayam, N.G.G.O. Colony Post, Coimbatore – 641 022	Offline
2	01.02.2024 – 02.02.2024	X. Mary Josephine	International conference on sustainable materials for biological and energy applications	International	Department of Physics, Periyar University Centr for Post Graduate and Research Studies, Dharmapuri	Online Google Meet
3	26.02.2024 – 29.04.2024	R. Leethiyal	International conference on advanced functional materials and device	International	Nanotechnology Research Centre, SRM University, Chennai	Online Google Meet

#### PARTICIPATION OF THE FACULTY IN WORKSHOPS

S. No	Date	Name of the faculty	Title	National/Intl	Organizing Committee with Address	Platform
1	22.08.2023 – 23.08.2023	W. Maria Therease Ramya	Electrochemical Devices	National	Department of Physics, PSGR Krishnammal College for Women, Coimbatore – 641 004 and Materials Research Centre,	Offline

					Coimbatore – 641 045	
2	18.10.2023 – 20.10.2023	Dr. R. Amutha	Research Project Proposal Writing & Report Writing	National	HI LEARN EDUTECH INSTITUTE, MSME, GOI Registered, An ISO Certified Institute, Bijapur / Vijayapur, Karnataka	Online
3	18.10.2023 – 20.10.2023	W. Maria Therease Ramya	Research Project Proposal Writing & Report Writing	National	HI LEARN EDUTECH INSTITUTE, MSME, GOI Registered, An ISO Certified Institute, Bijapur / Vijayapur, Karnataka	Online
4	27.10.2023	Dr. R. Amutha	Artificial Intelligence Tools for Educators	National	IGNITE Life Skill Academy & IQAC, Sacred Heart College (Autonomous) Kochi-13	Online
5	27.10.2023	W. Maria Therease Ramya	Artificial Intelligence Tools for Educators	National	IGNITE Life Skill Academy & IQAC, Sacred Heart College (Autonomous) Kochi-13	Online
6	27.10.2023	X. Mary Josephine	Artificial Intelligence Tools for Educators	National	IGNITE Life Skill Academy & IQAC, Sacred Heart College (Autonomous) Kochi-13	Online
7	27.10.2023	A. Yuvarani	Artificial Intelligence	National	IGNITE Life Skill Academy & IQAC,	Online

			Tools for Educators		Sacred Heart College (Autonomous) Kochi-13	
8	28.10.2023	Dr. R. Amutha	Advanced Artificial Intelligence Tools for Educators	National	IGNITE Life Skill Academy & IQAC, Sacred Heart College (Autonomous) Kochi-13	Online
9	28.10.2023	W. Maria Therease Ramya	Advanced Artificial Intelligence Tools for Educators	National	IGNITE Life Skill Academy & IQAC, Sacred Heart College (Autonomous) Kochi-13	Online

### **PUBLICATIONS BY THE FACULTY BOOKS PUBLISHED BY THE FACULTY**

S. No	Year	Name of the faculty	Name of the Book	IBBN/ISSN
1	2023	Dr. R. Amutha	அன்றாட வாழ்வின் அறிவியலை அறிந்திடுவோம்	978-93-5620-310-5

### **PAPER PRESENTATION BY THE FACULTY**

S N o	Date	Name of the faculty	Topic	Category	Organizing Committee with address	Platform
1	19.09.2023 – 20.09.2023	Dr. R. Amutha	Studies on Thermally Evaporated p-ZnTe/n-CdSe Heterojunction Diodes	Poster presentation	Coimbatore Institute of Technology in collaboration with Western Norway University of Applied Sciences, Norway, and University of Jaffna, Sri Lanka	Offline

2	01.02.2024 – 02.02.2024	X. Mary Josephine	Chemical designing of 1,2-dihydroxyanthraquinone - as an efficient sensitizer for dye sensitized solar cell	International Conference	Department of Physics, Periyar University Centr for Post Graduate and Research Studies, Dharmapuri	Online Google Meet
3	26.02.2024 – 29.04.2024	R. Leethiya 1	Green Synthesis of Titanium dioxide nanoparticles for antibacterial and photocatalytic activity using justicia adhatoda and cissus quadrangularis leaf extract	International Conference	Nanotechnology Research Centre, SRM University, Chennai	Online Google Meet

#### ACHIEVEMENTS AND AWARDS – FACULTY

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2023	Dr. R. Amutha	Assistant Professor & Head of the Department	Best Poster presentation award

#### ONLINE COURSES COMPLETED BY THE STUDENTS

SL.NO	NAME	NAME OF THE COURSE	COURSE CONDUCTED BY
1	Roshall Packia	Brief Introduction to Psychology	NPTEL

#### STUDENT'S PARTICIPATION IN SEMINARS

S. No	Date	Name of student	Topic	Name of the Seminar	Organizing Committee and platform	National/ International

1	04.08.2023	Hema Praveena. J	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
2	04.08.2023	Maria Josephin Vimala. S	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
3	04.08.2023	Pavithra. A	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
4	04.08.2023	Agnes J	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
5	04.08.2023	Dionysia Christina D	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National

6	04.08.2023	Harnini T	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
7	04.08.2023	Hemalatha M	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
8	04.08.2023	Janet C	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
9	04.08.2023	Jemi Praiselin T R	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
10	04.08.2023	Liji Agnes A	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National

11	04.08.2023	Mathi Manjari M M	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
12	04.08.2023	Roshini S	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
13	04.08.2023	Sanofar M	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
14	04.08.2023	Tanya Siju	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
15	04.08.2023	Rudh P	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National

16	04.08.2023	Sakthi Harini V	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
17	04.08.2023	Geetha P	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National
18	04.08.2023	Pooja S	Exoplanets: Distinct worlds from the solar system	National Webinar on Astrophysics	Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.	National

#### **STUDENTS' PARTICIPATION IN CULTURAL/EXTRA CURRICULAR ACTIVITIES AND PRIZES**

S. No	Date	Name	Event	Participation/ Prize	Organizing Committee
1	20.02.2024	Athira. U. P	March Past	Winner	Department of Physical Education
2.	20.02.2024	Athira. U. P	Throw Ball	Runner	Department of Physical Education
3.	20.02.2024	Sharnitha. H	Throw Ball	Winner	Department of Physical Education
4.	20.02.2024	Sharnitha. H	Volley Ball	Runner	Department of Physical Education

#### **EXTENSION ACTIVITIES OTHER EXTENSION ACTIVITIES OF THE DEPARTMENT**

S. No.	DATE	ACTIVITY	PLACE	NO. OF BENEFICIARIES
1	16.09.2023	Extension Activity	Palamalai Village	2