

DEPARTMENT OF PHYSICS**ACTIVITIES (2022-2023)****(Association meetings, Guest Lectures, Celebration of Important days)**

| S.No | Date | Topic | Resource Person (designation with complete official address) | Event | Platform |
|-------------|-------------|--|--|---|-----------------|
| 1 | 15.07.22 | Start Up – Tips on Business Ideas | Ms. Sherlin Infancia, Entrepreneur | Webinar | Online |
| 2 | 28.07.22 | Scientist and Physics Laws | - | Poster Presentation Competition | Offline |
| 3 | 29.08.2022 | Scientific Aspects of Crystallography | Dr. M. Seetha Assistant Professor Department of Physics Kongunadu Arts & Science College Coimbatore - 29 | Guest Lecture | Offline |
| 4 | 21.09.22 | Heat Transmission | Dr. J. Deepa Assistant Professor Department of Physics Government Arts College(Autonomous) Coimbatore - 18 | Guest Lecture | Offline |
| 5 | 04.11.2022 | Usage of Economic Materials In Solar Thermal Devices for Harvesting | Dr. R. Jayaprakash, Associate Professor, Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science. | Seminar | Offline |
| 6 | 11.11.2022 | Entrepreneurship while studying : A student perspective | Ms. M. Saranya, II M.Sc. Chemistry, Nirmala College for Women. | Seminar | Offline |
| 7 | 30.01.2023 | Transient Currents | Dr. G. Umadevi, Associate Professor, Department of Physics, Government Arts College (Autonomous), Coimbatore- 18 | Guest Lecture | Offline |
| 8 | 06.03.2023 | National Science Day | - | Quiz, Just a minute & model making competitions | Offline |
| 9 | 31.12.2022 | Energy Conservation | — | Vlog competition | Online |

OSA/PTA Meetings

| S.No | Date | OSA/PTA | No. of participants | Platform |
|-------------|-------------|----------------|----------------------------|-----------------|
| 1. | 25.02.2023 | PTA | 31 | Offline |

**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 | 13.03.2023 | IoT Implementation and Demonstration | Mr.S.P.Senthil Subramaniam, Mighty Electronics, Coimbatore | 34 | Offline |

State level Hands-on Training programmes Organized by the Department

| S. No | DATE | TOPIC | RESOURCE PERSON | No. of Participants | Platform |
|--------------|-------------|------------------------------------|---|----------------------------|-----------------|
| 1. | 09.03.2023 | Hands on Training on C-Programming | Mrs.R. Uma Maheswari, MCA., M.Phil., Assistant Professor, Nirmala College for Women, Coimbatore | 14 | Offline |

MOU/LINKAGES WITH INDUSTRIES

| S.No | Date | Department | Name of the Industry/Institute | Purpose |
|-------------|-------------|-------------------|---|---|
| 1. | 14.12.2022 | Physics | Mighty Electronics Equipments Corporation, Coimbatore | To enhance practical skill in electronics |

EXPOSURE VISITS

| S. No | DATE | CLASS | PLACE | No. of days | No of students | Type |
|--------------|-------------|-----------------------------------|---|--------------------|-----------------------|-------------|
| 1. | 06.02.2023 | I, II & III B.Sc Physics Students | Agribusiness Incubation society, Technology business Incubation, Tamilnadu agricultural University, Coimbatore. | 1 | 31 | Field visit |

BEST PRACTICES OF THE DEPARTMENT

| SL. No. | DATE | DEPT | ACTIVITY |
|---------|------------|---------|--|
| 1. | 01.02.2023 | Physics | Survey on Energy consumption in houses |

MAJOR/MINOR/ STUDENT PROJECTS/SEED MONEY GRANT

| S. No. | Period | Name of the Faculty | Topic | Funding Agency | Amount Sanctioned in Rs. | Sanctioned/ Ongoing/Completed |
|--------|-------------------------|---------------------|---|--|--------------------------|-------------------------------|
| 1. | 17.08.2022 – 23.02.2023 | X. Mary Josephine | Molecule to Device: A Combined Experimental and Theoretical design of Bio molecular photo sensitizers for efficient dye sensitized solar cell | Seed Money Project – Nirmala College for Women, Coimbatore | 20,000 | Ongoing |

ACTIVITIES RELATED TO FACULTY MEMBERS

TRAINING PROGRAMMES / FDP ATTENDED BY THE FACULTY

| S.No | Date | Name of the faculty | Title | Organized by | Online/Offline |
|------|--------------------------|---------------------|--|-------------------------------------|----------------|
| 1. | 22.06.22 | Dr. R. Amutha | National Intellectual Property Awareness Mission | Intellectual Property office, India | Online |
| 1. | 18.11.2022 to 24.11.2022 | Dr. R. Amutha | Implementation of NEP-2020 for University and College Teachers | IGNOU | Online |

PARTICIPATION OF THE FACULTY IN SEMINARS

| S. No | Date | Name of the faculty | Title | National/Intl | Organizing Committee with Address | Platform |
|-------|------------|---------------------|--|---------------|--|----------|
| 1. | 26.11.2022 | Dr. R. Amutha | Advanced Transparent Ceramic Materials | International | Centre for Research and Development in Education and Social Integration, Bharat Institute of Engineering and Technology and Indian Ceramic | Zoom |

| | | | | | | |
|----|------------|---------------|--|---------------|--|---------------|
| | | | | | Society, Hyderabad Chapter | |
| 2. | 31.12.2023 | Dr. R. Amutha | Importance of preparedness for educators | International | CRESIHRD, Bharat Institute of Engineering & Technology & Indian Ceramic Society, Hyderabad | Online (Zoom) |

PUBLICATION BY THE FACULTY IN INTERNATIONAL JOURNALS

| S. No | Month & Year | Name of the faculty | Topic | Name of the Journal | Vol No, Issue No, Pg No | ISSN | Impact factor | Indexing Details |
|-------|--------------|---------------------|--|------------------------------|-------------------------|----------|---------------|---|
| 1. | Nov. 2022 | Dr. R. Amutha | Influence of thickness on DC conduction studies of vacuum evaporated ZnTe thin films | Materials Today: Proceedings | 68, 3, 636-639 | 22147853 | 1.46 | Scopus, Conference Proceedings Citation Index, INSPEC |

PAPER PRESENTATION BY THE FACULTY

| S No | Date | Name of the faculty | Topic | Category | Organizing Committee with address | Platform |
|------|-------------------------------|-----------------------------|--|---------------|---|----------|
| 1 | 02.02.2023 - 03.02.2023 | Dr. R. Amutha | Influence of thickness on the optical and photoconductive properties of Zinc telluride thin films | International | Department of Mathematics, Chemistry, Botany, Zoology, Geography and Library and Information Science, Nirmala College for Women, Coimbatore | Offline |
| 2 | 02.02.2023 - 03.02.2023 | Mrs. W. Maria Therase Ramya | Vapour-Solid reaction synthesis of nanostructured Copper Oxide : Structural and Optical properties | International | Department of Mathematics, Chemistry, Botany, Zoology, Geography and Library and Information | Offline |

| | | | | | | |
|---|-------------------------------|------------------------|--|---------------|---|---------|
| | | | | | Science, Nirmala College for Women, Coimbatore | |
| 3 | 02.02.2023 - 03.02.2023 | Mrs. X. Mary Josephine | Preparation and characterization of Copper Oxide thin films by spin coating method | International | Department of Mathematics, Chemistry, Botany, Zoology, Geography and Library and Information Science, Nirmala College for Women, Coimbatore | Offline |
| 4 | 02.02.2023 - 03.02.2023 | Mrs. S. Krishnaveni | Biological synthesis of ZnO nanoparticles using leaf extract of senna auriculata | International | Department of Mathematics, Chemistry, Botany, Zoology, Geography and Library and Information Science, Nirmala College for Women, Coimbatore | Offline |

STUDENT'S PARTICIPATION IN WORKSHOPS/HANDS-ON-TRAINING

| S. No | Date | Name of student | Topic | Name of Workshop/Hands-on-Training | Organizing Committee and platform | National/International |
|-------|------------|-------------------------|------------------------------|------------------------------------|-----------------------------------|------------------------|
| 1. | 08.11.2022 | Lia Sherin Ilanjiya P S | Problem solving and ideation | Problem solving and ideation | IIC | “-“ |

FELLOWSHIPS AND SCHOLARSHIPS

| S. No | Name of the Student and Class | Name of the fellowship/scholarship | Funding agency | Stipend Amount |
|-------|-------------------------------|---|------------------|----------------|
| 1 | K. Nithyasri | Moovalur Ramamirtham | State Government | 1000 |
| 2 | K. Nithyasri | Moovalur Ramamirtham Ammaiyar Higher Education Assurance Scheme | State Government | 1000 |

ONLINE COURSES COMPLETED BY THE STUDENTS

| SL.NO | NAME | NAME OF THE COURSE | COURSE CONDUCTED BY |
|-------|---|---------------------------|------------------------|
| 1 | Amala I Anandhi Akshaya V Devadharsini S Evangelina J Ilanjiya P S Lia Sherin L Mariya Stephy V Reshma Davis J E Shealinro Mironic C Srimathi S Trishala S Visali S Dharshini C Kaviya M | Communication with impact | IBM Skill Build |
| 2 | Kiruthika. S | Solid State Physics | Swayam course by NPTEL |
| 3 | I, II, III B. Sc. Physics Students | Introduction to computer | IIT , Bombay |

STUDENT PLACEMENT

| S.No | Name | Batch | Designation | Name of the Institution |
|------|--|-----------|---|---------------------------|
| 1 | Anandhi Akshaya. V | 2020-2023 | Junior Process Associate | KGISL |
| 2 | Evangelina. J | | | |
| 3 | Devadharsini S Mariya Stephy V Srimathi S Trishala S Visali S Dharshini C | 2022-2023 | Health Insurance distribution | Adithya Birla |
| 4 | Evanjelina J Reshma Davis | 2020-2023 | Digital marketing trainee/ content writer trainee | Haleyon digital |
| 5 | Devadharshini. S, Ilanjiya.P. S | 2020-2023 | Teacher | Senthil Educational Trust |
| 6 | Lia Sherin L | 2020-2023 | Customer care associate | HRH Next |
| 7 | Kaviya. M, Sandhiya. P | 2020-2023 | Trainee Assembler | CuManPvtLtd |

CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES
STUDENT PARTICIPATION IN INTERCOLLEGIATE/INTERDEPARTMENTAL
COMPETITIONS

| S. No | Date | Event | Organized by | Students Name | Participated / Won |
|--------------|-------------|---------------------------|--|---|-----------------------------|
| 1 | 12.08.2022 | Folk Dance | Bharathiar University | Devadharshini . S | Won (3 rd Prize) |
| 2 | 12.08.2022 | Folk Dance | Bharathiar University | Dharshini. C | Won (3 rd Prize) |
| 3 | 18.08.2022 | Logo competition | Dean of Students affairs | Nithyasri.K | Participated |
| 4 | 18.08.2022 | Logo competition | Dean of Students affairs | Roshall Packia. A | Participated |
| 5 | 18.08.2022 | Logo competition | Dean of Students affairs | Asiriya. N | Participated |
| 6 | 18.08.2022 | Logo competition | Dean of Students affairs | Abinaya.S | Participated |
| 7 | 18.08.2022 | Logo competition | Dean of Students affairs | Kiruthika.S | Participated |
| 8 | 23.08.2022 | Essay writing | Tamil (Aided) | Kanishka.P | Participated |
| 9 | 18.09.2022 | Mehandhi Competition | Hindusthan College | Kaviya. M | Participated |
| 10 | 22.09.2022 | Book Swap Competition | Library Committee- Nirmala College for Women | 1. Ilanjiya. P.S 2. Devadharshini . S | Participated |
| 11 | 27.09.2022 | EXCELSIOR-Poem Composing | Department of English- Nirmala College for Women | Mariya Stephy.V Janet | Participated |
| 12 | 29.09.2022 | EXCELSIOR – SPELL BEE | Department of English- Nirmala College for Women | Mariya Stephy.V Ilanjiya. P.S Devadharshini . S Dharshini. C Kaviya. M Dionysia Christina. D Agnes. J Nivedhitha. J G Tanya sijy. U Sanofar. M Roshini. S | Participated |
| 13 | 30.09.2022 | EXCELSIOR – Essay Writing | Department of English- Nirmala College for Women | Evangelina. J Anandhi Akshaya. V | Participated |
| 14 | 04.11.2022 | Burn the stage | Department of commerce, Nirmala college for Women. | Reshma Davis Lia Sherin Anandhi Akshaya Shealinro Mironic | Participated |

| | | | | | |
|----|------------|---------------------------------|---|--|--------------|
| | | | | Evangelina | |
| 15 | 30.11.2022 | Quiz Competition | IIC and IPR, Nirmala college for Women. | Lia Sherin | Participated |
| 16 | 03.11.2022 | Book Scavenger Competition | Department of Library, Nirmala college for Women. | Ilanjiya P S Devadharsini S | Participated |
| 17 | 04.11.2022 | Intercollegiate competition | Department of Commerce, Nirmala College for Women | Aninaya.S Nithyasri.K Roshall Packia.A Kiruthika. S | Participated |
| 18 | 23.11.2022 | Essay Writing | Department of Tamil, Nirmala College for Women | Janet. C Sanofar Hemalatha. M | Participated |
| 19 | 16.02.2023 | TN startup - Aadukalam | Karpagam Arts and Science College | Lia Sherin, Shealinro Mironic | Participated |
| 20 | 20.02.2023 | IIC - Hackathon | Nirmala college for women | Shealinro Mironic | Participated |
| 21 | 21.02.2023 | Eureka Quiz – Physica Symposium | Karpagam Arts and Science College | Anandhi Akshaya, Reshma Davis | Won |
| 22 | 21.02.2023 | Eureka Quiz – Physica Symposium | Karpagam Arts and Science College | Evangelina, Lia Sherin, Shealinro Mironic | Participated |
| 23 | 22.02.2023 | Business Idea | Karpagam Arts and Science College | Shealinro Mironic | Won |
| 24 | 28.02.2023 | Science day Quiz | Nirmala college for women | Ilanjiya | Participated |
| 25 | 28.02.2023 | Sports day | Nirmala college for women | Sr. Amala | Won |

STUDENTS' PARTICIPATION IN CULTURAL/EXTRA CURRICULAR ACTIVITIES AND PRIZES

| S. No | Date | Name | Event | Participation/ Prize | Organizing Committee |
|-------|------------|---|------------------------------|----------------------|--------------------------|
| 1 | 05.08.2022 | 1. K. Nithyasri A. Roshall Packia | Independence day celebration | Participated | NSS |
| 2 | 05.09.2022 | 1. Lia Sherin 2. Evangelina 3. Reshma Davis 4. Devadharshini 5. Dharshini 6. Shealinro Mironic | Teachers Day | Participated | Dean of Students affairs |
| 3 | 24.09.2022 | 1. Lia Sherin 2. K. Nithyasri 3. A. Roshall Packia | NSS day | Participated | NSS |

| | | | | | |
|---|------------|--|---|---------------|--------------------------------------|
| 4 | 22.11.2022 | Evangelina Lia Sherin | National Communal Harmony Week | Participated | Fine arts committe |
| 5 | 08.01.2023 | T. Harini M. M. Mathi Manjari | TANMILLET | Participation | Nirmala college for women |
| 6 | 12.01.2023 | C. Dharshini Devadharshini | Pongal day | Participation | Nirmala college for women |
| 7 | 23.01.2023 | E. Mugilvarshini | Unifest 2022 | Participation | Nirmala college for women |
| 8 | 22.02.2023 | S. Abinaya S. Kiruthika K. Nithyasri A. Roshall Pakia E. Mugilvarshini | CHAKRA | Participation | Rathinam Arts and Science College |
| 9 | 28.02.2023 | M. M. Mathi Manjari, C. Janet, Tanya Siju | Sports day | Participation | Nirmala college for women |

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

| S. No. | DATE | ACTIVITY | PLACE | NO. OF BENEFICIARIES |
|---------------|-------------|--|------------------------------------|---------------------------------|
| 1 | 19.11.2022 | Energy Conservation | Perumpathi Pudur | 10 |
| 2 | 01.02.2023 | Demonstration of basic physics concepts to school children | Chandrapuram, Sulur, Coimbatore | 25 |