



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of U.C.A. Act, 1956 - MAJC Accredited
think • innovate • transform

PROGRAMME REPORT ON

**Guest Lecture-Exploring physics with hands-on
demonstration : concepts made simple**

Resource Person

Dr. S. Devashankar

Organized by

PHYSICS- PMIST



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
Deemed to be University
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited
think • innovate • transform

PROGRAMME REPORT ON

Guest Lecture-Exploring physics with hands -on demonstration: concepts made simple

Resource Person

Dr. S. Devashanker

Organized by

PHYSICS- PMIST

Name of the Programme : Guest Lecture

Title : Exploring Physics with Hands on Demonstrations:
Concept made simple

Organized by : Department of Physics

Co-ordinators : Dr. R. Anandhi AP / Physics
Ms. J. Srivind AP / Physics

Convenor : Dr. P. Gayathri AP (SG) & Head / Physics

Resource Person : **Dr. S. Devashankar**
Assistant Professor
Department of Physics
L. N Government College,
Ponneri – 601204.

Objective

The objective of the guest lecture, "**Exploring Physics with Hands-on Demonstrations: Concept Made Simple,**" is to simplify complex physics concepts through interactive and engaging demonstrations, fostering a deeper understanding and interest in the subject. By connecting theory with practical applications, the session aims to spark curiosity, develop critical thinking skills, and demonstrate the relevance of physics in everyday life. Additionally, it seeks to enhance student confidence in learning science, promote active participation, and inspire further exploration of physics as a field of study or career.

DEPARTMENT OF PHYSICS

Contact: Higher Education, Tirunelveli - 611 003 (Landline: India)
 Phone: 0461-2562000 Fax: 0461-2562000
 Email: hrd@pmu.edu Web: www.pmu.edu



**PERIYAR
MANJAMMAL**

Proforma for requesting approval to conduct programme

| S.No. | Detail | Response |
|-------|--|--|
| 1. | Name of the Department | PHYSICS, Associated with Physics Enthusiasts Club |
| 2. | Name of the Programme | Guest Lecture on "Exploring Physics with Hands on Demonstrations. Concept made simple" |
| 3. | NAAAC Criteria and category of the programme | Criteria - 6 |
| 4. | Date and time of the Event | 15.11.2024 @ 10.00 am to 12.00 pm |
| 5. | Online / offline | Offline |
| 6. | Name of the online platform if conducted online | - |
| 7. | If Zoom slot is required whether the slot with the system administrator | Not required |
| 8. | Name & Designation of the Organizing Secretary / Co-ordinator (Responsible for the submission of reports and accounts) | Coordinator: Dr. R.Anandhi AP/ Physics Dr. J.Srivud AP / Physics |
| 9. | Details of the collaborating institution / industry / resource person | Convener: Dr. P. Gayathri HOD/ Physics Dr. S.Devachandrar, Assistant Professor(SG), Department of Physics, L.N Government College, Ponneri- 601204 |
| 10. | Budget requirement with breakup details | Rs. 4010 -/- (Annexure J) |
| 11. | Whether registration fees collected for the participants? if yes give details | No |
| 12. | Attachments (Brochure, Draft Invitation, Draft Certificates, Programme schedule) | Brochure Attached |

Note: All the programmes reports and video recordings (if any) should be submitted in the required format to hrd@pmu.edu both soft and hard copy within five days from the date of organizing the event.

08.11.2024
Date of submission

[Signature]
Coordinators

[Signature]
Signature of the Head of the Department

Concerned Faculty Dean *[Signature]*

[Signature]
Dean (I&D) 11/11/2024



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
Pondicherry
WISDOM • INTEGRITY • QUALITY

DEPARTMENT OF PHYSICS

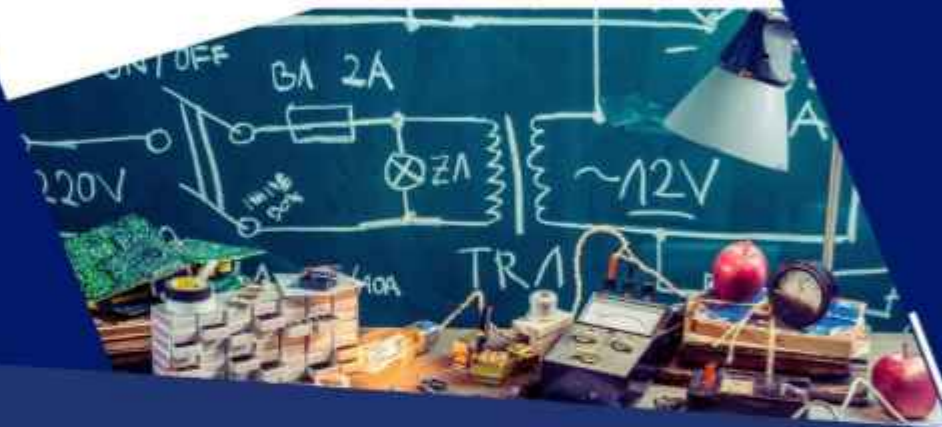
Organizes

An Interactive Lecture on

EXPLORING PHYSICS WITH HANDS-ON DEMONSTRATIONS: CONCEPTS MADE SIMPLE

**15 NOV
2024
FRIDAY**

Date: 15.11.2024 | Time: 10.00 am-12.00 pm | Venue: Marie Curie Hall



Resource Person

Dr. S. DEVASHANKAR, M.Sc., M.Phil., Ph.D.

Assitant Professor (SG)

Department of Physics,

L.N.Government College,

Tiruvallur District, Ponneri,

Tamil Nadu.

Coordinator

Dr. R. ANANDHI, AP/ Physics

Dr. J. SRIVIND, AP/ Physics

Convener

Dr. P. GAYATHRI, HoD/ Physics

 www.pmu.edu

DEPARTMENT OF PHYSICS

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 - 4362 – 264600 Fax: +91- 4362 - 264660
Email: headphy@pmu.edu Web: www.pmu.edu



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act 1956 & NAAC Accredited
Think • Innovate • Transform

Department of Physics & Physics Endowers Clubs
Special Lecture Programme on

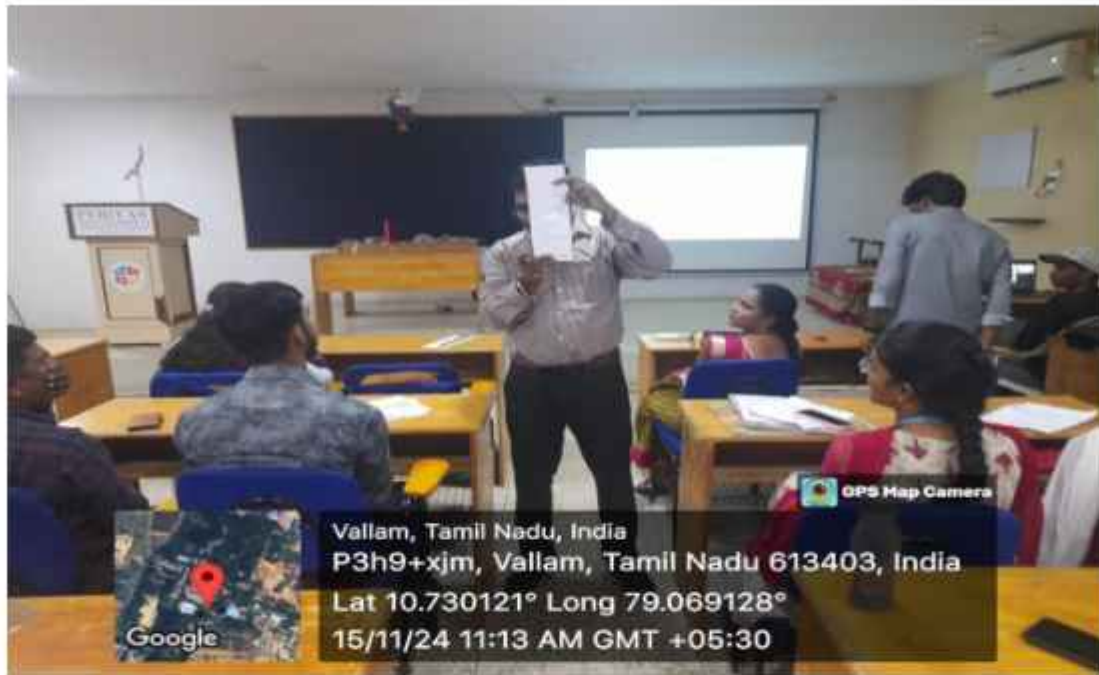
Lecture: Exploring physics with hands -on demonstration: concepts made simple

Date: 15.11.2024

PROGRAMME SCHEDULE

| | |
|--------------------------|---|
| 10.00am – 10.15am | INAGURATION <ol style="list-style-type: none">1. Compeering - Ms. K.Usha II M,Sc Physics2. Welcome address – Dr. R. Anandhi Ap / Physics3. Introduction – Dr. P. Gayathri – HoD/ Physics4. Felicitation Address – Dr. P. Gayathri – HoD/ Physics |
| 10.15am – 12.00pm | Session : Guest Lecture Dr. S. Devashankar Assistant Professor, Department of Physics L.N. Government College, Thriuvallur Dstrict, Ponneri |
| 12.00pm – 12.45pm | Practical session |
| 12.45pm - 12.55pm | Price distribution |
| 12.55pm – 1.00pm | Vote of Thanks –Ms. R. Prasanna Lakshmi M.Sc Physics |





Department of Physics
 Periyar Nagar, Vallam, Thanjavur-613 403, TamilNadu India Phone
 +91 - 4362 264600,
 Fax +91- 4362 64660 E mail: headphy@pmu.edu. Web:
 www.pmu.edu



**PERIYAR
 MANIAMMAI**
 UNIVERSITY
 PERIYAR NAGAR, VALLAM, THANJAVUR - 613 403
 TAMIL NADU, INDIA
 PHONE: +91-4362-264600
 FAX: +91-4362-64660
 WWW.PMU.EDU

Special Lecture Series - II

**On "Interactive Lecture on "Exploring Physics with Hands-on Demonstrations:
 Concepts Made Simple"**

Attendance

Date: 15.11.2024

Venue: Marie Curie Hall

| S.No | Name | Designation | Signature |
|------|---------------------|-------------------------------|------------------|
| 1) | M. Janani | II Bsc. physics | M. Janani |
| 2) | N. Hanimochi | III Bsc. Physics | N. Hanimochi |
| 3) | M. SUBAGRI | III B.Sc Physics | M. Subagri |
| 4) | GI. SHRINIDHI | III B.Sc Physics | GI. Shrinidhi |
| 5) | J. LAVANYA | III B.Sc Physics | J. Lavanya |
| 6) | A. PRAGADEESWARI | III B.Sc Physics | A. Pragadeeswari |
| 7. | S. KEERTHI | I st M.sc physics | S. Keerthy |
| 8. | C. SARAJINI | I st M.sc physics | C. Sarajini |
| 9. | R. GOPIKA | I st M.sc physics | R. Gopika |
| 10. | A. ASWIN | II nd M.sc physics | A. Aswin |
| 11. | A. HARINI | II nd M.sc physics | A. Harini |
| 12. | R. PRASANNA LAKSHMI | II nd msc physics | R. Prasanna |
| 13. | V. Sri lakshmi | II nd msc physics | V. Sri Lakshmi |
| 14 | Denuking | II nd B.sc Physics | Denuking |

K. Chand
 Coordinator

P. Ganesh
 Convener

Department of Physics

Periyar Nagar, Vallam, Thanjavur-613 403, TamilNadu India Phone
(91) - 4362 264600,
Fax (91) - 4362 64660 E mail: headphy@pmu.edu. Web:
www.pmu.edu



PERIYAR
MANIAMMAI
UNIVERSITY
INSTITUTE OF SCIENCE & TECHNOLOGY
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India
Phone: +91 4362 264600 Fax: +91 4362 64660
E-mail: headphy@pmu.edu

Special Lecture Series - II

On "Interactive Lecture on "Exploring Physics with Hands-on Demonstrations:
Concepts Made Simple"

Attendance

Venue: Marie Curie Hall

Date: 15.11.2024

| S.No | Name | Designation | Signature |
|------|---------------------|-------------------|---------------------|
| 15. | A. Veera babu . | II M.Sc Physics | A. Veera babu |
| 16. | R. Abinayo | II MSc physics | R. Abinayo |
| 17. | K. USHA | II M.Sc physics | K. Usha |
| 18. | A. Mohamed Anis | I B.Sc PB | A. Mohamed Anis |
| 19. | E. Sridharan | I BSc - Chemistry | E. Sridharan |
| 20. | M. Prem Kumar | Ist B.Sc. Physics | M. Prem Kumar |
| 21. | S. Sri ram | III B.Sc Physics | S. Sri ram |
| 22. | R. Balakumar | III BSc. Physics | R. Balakumar |
| 23. | S. Sri ram | I CSE (AI & ML) | S. Sri ram |
| 24. | N. Maheshwaran | I CSE (AI & ML) | N. Maheshwaran |
| 25. | K. Mahavardhini | I CSE (AI & ML) | K. Mahavardhini |
| 26. | Prathisha Venkatesh | I CSE (AI & ML) | Prathisha Venkatesh |
| 27. | S. Balakrishnan | I CSE (AI & ML) | S. Balakrishnan |
| 28. | S. Baba Sakin | I BSc Chemistry | S. Baba Sakin |

K. Chandran
Coordinator

P. Chandran
Convener

Department of Physics

Periyar Nagar, Vallam, Thanjavur-613 403, TamilNadu India Phone
+91 - 4362 264600,
Fax +91-4362 64660 E-mail: headphy@pmu.edu. Web:
www.pmu.edu



**PERIYAR
MANJAMMA**
INSTITUTE OF EDUCATION & RESEARCH
WOMEN EMPOWERMENT

Special Lecture Series – II

**On "Interactive Lecture on "Exploring Physics with Hands-on Demonstrations:
Concepts Made Simple"**

Attendance

Date: 15.11.2024

Venue: Marie Curie Hall

| S.No | Name | Designation | Signature |
|------|-------------------------|----------------------------|-------------------------|
| 29. | S. Vasanth | T.B.Sc Physics | S. Vasanth |
| 30. | R. Balaganesan | T.B.Sc. Physics | R. Balaganesan |
| 31. | M. cranthan | T.B.Sc chemistry | M. cranthan |
| 32. | S. AVINASH | T. B.sc chemistry | S. Avinash |
| 33. | H.Mohamed Fasih | B.Tech CSE spec ADS | H.Mohamed Fasih |
| 34. | H.PRVEENKUMAR | B.Tech ESE (Spec) Ads | H. Prveen Kumar |
| 35. | P. Rajasekar | B.Tech CSE (AIS&DS) | P. Rajasekar |
| 36. | A.KALAMUL HAKKIM | B.Tech CSE (AIS&DS) | A. Kalamul Hakkim |
| 37. | G.R. Vijayakrishna | B.Tech CSE (AIS&DS) | G.R. Vijayakrishna |
| 38. | A. Steficeena | B.Tech CSE spec (AIS&DS) | A. Steficeena |
| 39. | Dhanish V. | B.Tech CSE spec (cybersec) | Dhanish V. |
| 40. | M. Thisuphika | B.tech CSE spec (cybersec) | M. Thisuphika |
| 41. | R.Mahalakshmi | B.Tech CSE spec (cybersec) | R. Mahalakshmi |
| 42. | Nousa Antony Michael .S | B.Tech CSE spec (cybersec) | Nousa Antony Michael .S |

K. Chand
Coordinator

P. Chandrasekhar
Convener

Outcomes:

- Students actively participated in the hands-on experiments, which helped reinforce their learning and made abstract ideas more tangible.
- The lecture emphasized practical applications of physics in everyday life, encouraged critical thinking, and fostered active participation, allowing students to visualize abstract ideas.
- By linking theoretical principles to real-world phenomena, the lecture inspired curiosity, deepened understanding, and motivated further exploration of physics as a field of study.

1. J. S. R. V. I. N. D.

Coordinators:

(J. SRIVIND)

2. P. Gayathri

P. Gayathri

P. Gayathri
HOD/PHYSICS

Dr. P. Gayathri

Head,
Department of Physics,
Periyar Maniammai
Institute of Science & Technology
(PMIST) Periyar Nagar, Vallam
Thanjavur- 613 405, Tamilnadu.