

## CURRICULUM VITAE



B. Mary Dayana M.Sc., B. Ed., SET

Assistant Professor

Department of Physics

St. Joseph's College (Autonomous)

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### Personal:

Name: B. Mary Dayana

Date of Birth: 21/06/1981

Nationality: Indian

Sex: Female

Marital status: Married

### Academic Qualification:

Academic Qualification	Subject	Name of the Institution University/Board	Month & Year of Passing	Class/Division Awarded
SSLC	Tam, Eng, Mat, Sci, Social Sci.	RC Sacred Heart High School	MAR' 1996	I
Hr. Sec.	Tam, Eng, Mat, Phy, Chem, Bot, Zoo	Govt. Hss, SS Street, Rasipuram	MAR' 1998	I

B.Sc.,	Physics	Thiruvalluvar Govt. Arts College	May' 2003	I
M.Sc.,	Physics	Annamalai University	May' 2007	I
Ph.D	Nanomaterials	Govt. Arts College, Thiruverumbur	Doing	-

Other Qualifications	Status	Year of Completed	Subject
SET	Passed	2016	Physical Sciences

### **Research Experiences :**

1. Published Two journals
2. Attended many international, National Conferences
3. Attended Workshops
4. Attended Seminars
5. Presented oral , Poster presentations in international Conferences

### **Teaching Methodology:**

1. Chalk and Talk
2. Power Point Presentation
3. E-Content
4. Practical Demo classes
5. Usage of jamboard app and some online teaching tools

### **Evaluation Methodology:**

1. Seminars
2. Assignments
3. Group Discussion
4. Quiz through google forms
5. Problem solving

### **Preparation of Resources:**

1. Video content available in website
2. Self-Paced material prepared
3. Question bank

### **Remedial Classes:**

Handled Remedial classes for slow learners.

**Students Counseling:**

1. Acted as Mentor for UG , PG students.
2. Girls students incharge.
3. Discipline committee member
4. Sports incharge for girls students

**Teaching Experience:**

Course Taught	College	Duration
UG	St. Joseph's College, Trichy	2017 onwards
PG	St. Joseph's College	2018 to till date

**Club activities of the Department**

Assistant Co-Ordinator for Einstein Quiz Club from 2022

**Professional Development Activities:**

S. No	Conference/Seminar/Workshop	Place
1.	International Conference on Material Physics,	Bishop Heber College
2.	Workshop on Material Physics and Chemistry	DKM college for Women, Vellore
3.	International Web conference on Advanced Materials	St. Joseph's College, Trichy
4.	Physics Experiments through Simulation software	St. Joseph's College, Trichy
5.	7 Days international online FDP	Sengunthar Arts and science, Tiruchengodu
6.	International conference on advanced materials	St. Joseph's College, Trichy
7.	NCAMC'18	St. Joseph's College, Trichy
8.	National webinar on Space 2.0	St. Joseph's college of Engineering, Chennai
9.	Challenges in integrating nano sensors to IOT Platform	Chennai Institute of Technology
10.	Novel materials for innovative Research'21	Rathinam College of Arts & Science, Coimbatore
11.	Hangout with successful startups	Chennai Institute of Technology
12.	How the teachers should be ready to handle post pandemic situations	Chennai Institute of Technology
13.	Overview of intellectual property rights	Chennai Institute of Technology
14.	Digital learning adopted by chance, Let's adopt by choice	Chennai Institute of Technology
15.	Digital radiography	Chennai Institute of Technology
16.	Research Methodology	Sri Ramakrishna college of Arts and Science, Coimbatore
17.	International E quiz on Research and Publications'2020	SK Research group of companies
18.	Research design and sampling strategy for good research -for beginners	SNRTC
19.	Webinar on Digital Resources, NDLI	PSGR Krishnammal college for women, Coimbatore

20.	FDP on Material science'2020	Thanthai Hans Roever college, Perambalur
21.	Application of Parametric test in Research	Virudhunagar Senthikumara nadar college
22.	International virtual seminar on emerging technologies in energy conversion and storage	Sathyabama institute of science and Technology
23.	Learning Physics through simple Experiments	IIT. Kanpur
24.	FDP on molecules and beyond the molecules	GIET, Kakinada
25.	FDP on Effective staff student relationship for best outcomes	M.D.T . Hindu College, Thirunelveli
26.	Webinar on Advanced materials for Energy applications	Mangalore University
27.	Research, Funding Projects and IPR	K.C. College of Engineering, Thane
28.	Non linear optical behavior of nanomaterials	Lady Doak College, Madurai
29.	National level webinar on introduction to nanotechnology and nanomaterials	Nehru institute of engineering and technology, Coimbatore
30.	ICT tools for teaching, learning and evaluation	Saradha Gangadharan College, puducherry
31.	Webinar on career opportunities in Physics	MLAC, Bangalore
32.	National level E-Quiz on vigilance awareness 2020	PSG College of Arts and Science
33.	International webinar on Nano- the tiny warrior	Kongu Engineering College, Erode
34.	National workshop on documentation for revised NAAC assessment and accreditation process	Sant Gadge Baba Amaravathi University
35.	International virtual conference on Advanced materials for energy and environmental applications	BDU, Trichy
36.	FDP on Remarkable structural, magnetic and microwave adsorption properties of rare earth doped Mn-Cu ferrites & in-situ characterization of materials at elevated temperature	Kristu Jayanti college, Bangaluru
37.	FDP on problem solving in quantum physics	Bishop Heber college, Trichy
38.	E conference on ethical and quality aspects in nanoscience and nanotechnology research	Vasandrao naik Arts, Commerce and Science College
39.	Webinar on how nanoscience and technology inspired from nature and transforming the world	Cauvery college for women, Trichy.
40.	Webinar on future Entrepreneurship and employment opportunities	NIT, Coimbatore