

### ***FACULTY PROFILE***

1. Name : Dr. DEEPA JANANAKUMAR
2. Designation : PROFESSOR
3. Qualification : M.Sc., M. Phil., Ph.D., SET
4. Department : Physics
5. DOB & Age as on 28.02.22 : 11.09.1973 and 49
6. Gender : Female
7. Address : A5 MUTHU COMPLEX, INDIRA  
GANDHI, 1<sup>ST</sup> STREET, PALAYAPALAYAM,  
ERODE -638011
8. Phone –Mobile : 9488652656
9. E\_mail ID : deepaavanthikaa@gmail.com
10. Marital Status : Married
11. Languages Known : Tamil, English, Hindi, Sanskrit, Marathi
12. Particulars of Educational Qualification :



Name of the Degree	Specialization	Name of the College	Name of the University	Month & Year of Passing	% of Marks / Grade obtained	Class obtained
Ph.D	Physics	Hindustan University, Chennai	Hindustan University	September & 2014	Commended	
M.Phil	Physics	Bharathidasan University, Trichy	Bharathidasan University	April & 2007	72.40	First Class
M.Sc.	Physics	University Department of Physics, Mumbai	Mumbai University	May & 1996	74.5	First Class
B.Sc.	Physics	Smt.Chandibai Himatmal Mansukhani College, Mumbai	Mumbai University	April & 1994	84	Distinction

13. Additional Qualification :

i. GATE Score (In case of B.E. / B.Tech.) –

ii. NET / SLET (In case of M.C.A. / M.Sc. / M.A.) - TNSET qualified in 2018

14. Title of Ph.D. Thesis : Crystal Growth and characterization of some nonlinear optical single crystals

15. Faculty in which Ph.D. was awarded/doing : Physics

16. Area of Specialization : Crystal Growth

17. Academic Experience as on 28.02.2022 :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Velalar College of Engineering And Technology (Autonomous)	Professor	01-07-2017	Till Date	6	7	27
Velalar College of Engineering And Technology (Autonomous)	Associate Professor	30-04-2015	30-06-2017	2	2	-
Velalar College of Engineering and Technology (Autonomous)	Assistant Professor (Sl. Gr)	07-06-2012	29-04-2015	2	8	22
C Abdul Hakeem College of Engineering and Technology	Assistant Professor	02-07-2007	31-05-2012	4	10	29
Sri Balaji Chockalingam Engineering College	Lecturer	25-07-2005	25-06-2007	1	11	
Arcot Sri Mahaalakshmi Women's College	Lecturer	18-06-2003	20-07-2005	2	1	2

Institute of Technology	Lecturer	14-08-1999	31-01-2001	1	5	17
Navjeevan Education Society	Lecturer	23-06-1997	30-07-1999	2	1	7
Total				24		14

18. Industrial Experience: -----

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Total							

19. Research Experience : \_\_\_\_\_ years

20. Number of projects:----

i) Completed

Sl. No.	Title of the project	Funding Agency	Amount	Year (From-To)

ii) On-going

Sl. No.	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion

21. Number of Ph.D. candidates successfully completed : \_\_\_\_\_ 01 \_\_\_\_\_

22. Number of Ph.D. candidates currently working : \_\_\_\_\_ -- \_\_\_\_\_

23. Number of M.Phil.Candidates successfully completed : \_\_\_\_\_ 03 \_\_\_\_\_

24. Number of M.Phil.Candidates currently working: \_\_\_\_\_ -- \_\_\_\_\_

25. Publications:

i) Books

i)

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.
1	Dr. Deepa JananaKumar	Engineering Physics	KKS	2020	
2	Dr. Deepa JananaKumar	Materials Science	KKS	2019	
3	Dr. Deepa JananaKumar	Physics for Information Sciences	KKS	2019	
4	Dr. Deepa JananaKumar	Physics for Electrical Sciences	KKS	2019	
5	Dr. Deepa JananaKumar	Medical Physics	KKS	2019	

ii) Articles in Journals

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
1	Growth, structural, optical and thermal studies of semi-organic nonlinear optical potassium hydrogen oxalate single Crystal	Applied Physics A	126.6	1-8	June 2020
2	Structural, optical, spectroscopic and thermal investigations on novel semi- organic nonlinear optical material- Potassium boro-oxalate single crystal	Chinese Journal of Physics	68	339 - 347	December 2020
3	L-Valine doped oxalate single crystals for optoelectronic applications	Chinese Journal of Physics	71	159 - 167	June 2021

iii) Monographs/Reports (if any) \_\_\_\_\_ Nil \_\_\_\_\_

iv) NPTEL Courses

26. Summer schools / Workshops / Seminars / Symposium / Conferences, etc., attended

S. No	Period		Name of the Event	Topic / Title	Organized by	Only participated	Participated and presented
	From	To					
	30.10.2020		International Conference	<i>Materials Today: Proceedings 42</i>			Presented paper
1	21.07.2020		National Level Webinar	Recent Techniques on Single Crystal Growth and its Characterisation	Research Centre and PG Department of Physics, The Madura College.	Participated	
2	22.05.2020		National Level Webinar	Shock waves- A potential tool for tailoring material's property	Kumaraguru College of Technology, Coimbatore, TamilNadu, 641049.	Participated	
3	14.05.2020		National level webinar	Micro and Nanotechnology and its Applications	GTN Arts College (Autonomous), Dindigul, TamilNadu , 624005	Participated	
4	08.05.2020		National level webinar	Crystallography and its Applications	Er Perumal Manimegalai College of Engineering, Koneripalli, Hosur, Hosur- 635117.	Participated	
5	07.05.2020		National level webinar	Principles and Applications of Electronic Spectroscopy	Annai college of Arts and Science, Kovilacheri, Kumbakonam, TamilNadu , 612503.	Participated	

27. Refresher / Orientation course / FDP, etc., attended

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own / Organizer
	From	To			
1	31.08.2020	02.09.2020	Recent Trends in Physics	St. Joseph's College of Engineering, Chennai, Tamil nadu 600119.	Organizer
2	11-05-2020	16-05-2020	Innovation to Academicians	Ramachandra College of Engineering, Vatluru, Eluru, Andhra Pradesh, 534001.	

28. Seminars / Conferences / Symposia / STTP / SDP / Workshops organized

Sl. No	Date	Event	Status as organizer	Topic / Title	Name of the funding agency	Grant (Rs.)	Status (Applied/Granted/In Progress / Completed) If completed the date of submission of UC with reference

29. Referee ship / Editorship of Journals, Conferences/Seminars chaired etc.:

Sl. No.	Name of the Journals and Conferences/ seminar	Organized by	Date / Period

30. Chairman/Member of Authority/Committee etc:

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)

31. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Life member/Ordinary member
1	Association of Crystal Growth	Life member

32. Travelled Abroad for training or Studies (if 'yes' fill the following details)

Country visited	Period of Visit		Purpose of Visit
	From	To	

33. Consultancy Information's, if any

34. Details of the Patents, if any

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Sl. No.	Dairy Number	Title	status

35. Contribution for the Development of the Institution/ Department

a	To The Institution	First year Students Induction programme Convener
b	To the Department	Coordinator, Science Club convenor, Autonomous coordinator, BOS chairperson

### 36. Academic Performance

#### a. Results obtained:

Sl. No	Academic Year	Course	Sem	Class	Course	No. of Students	Pass %
1	2020-2021		Odd	20CS01A	18PHT11&ENGINEERING PHYSICS	62	100
			Even	20CS02A	18PHT22&PHYSICS FOR INFORMATION SCIENCE	62	100
2	2019-2020		Odd	19EC1B	18PHT11- ENGINEERING PHYSICS	51	98.04
			Even	19EC2B	18PHT23- PHYSICS FOR ELECTRICAL SCIENCES	51	100
3	2018-2019		Odd	18BM1A	18PHT11- ENGINEERING PHYSICS	53	98.11
			Even	18BM2A	18BMT23- MEDICAL PHYSICS	53	100

#### b. Student's Projects guided:-----

Sl. No	Academic Year	UG/PG	No. of Students	Title of the Project	Awards if any

### 37. Awards/Recognitions :---

#### 38. Self Assessment of Performance

S.No	Strengths	Weakness
	Good communication skills, Easily approachable by the students	Applying research proposals and patents