

FACULTY PROFILE

1. Name : Dr.S.RANJITHA
2. Designation :PROFESSOR
3. Qualification : Ph.D,TNSET
4. Department : PHYSICS
5. DOB & Age as on 28.02.2022 : 26.04.1983 & 38
6. Gender : Female
7. Address : 10/178,Sanarpalayam,Thudupathi, Erode-638057
8. Phone –Mobile : 9842903086
9. E-mail ID : ranjilotus31@gmail.com
10. Marital Status : Married
11. Languages Known : English, Tamil
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	Solar cell	Anna University, Chennai	Anna University, Chennai	April 2017	Commended	I
M.Phil	Crystal Growth	Bharathidasan University, Tirchi	Bharathidasan University, Tirchi	May 2009	First Class 62%	I
M.Sc	Physics	NGM College Pollachi, Bharathiar University, CBE	Bharathiar University, CBE	April 2005	First Class 85%	I
B.Sc	Physics	Gopi Arts and Sciene College, Gobi Bharathiar University, CBE	Bharathiar University, CBE	April 2003	First Class 85%	I
HSC	-	Govt Girls Higher Secondary School, Kunnathur	Board of Higher Secondary Education, Tamil Nadu	March 2000	First Class 91.5%	I
SSLC	-	Govt Girls Higher Secondary School, Kunnathur	Board of Secondary Education, Tamil Nadu	March 1998	First Class 92.6%	I

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.): SLET

14. Title of Ph.D. Thesis :

SYNTHESIS AND CHARACTERIZATION
OF NANOCRYSTALLINE METAL OXIDES DOPED WITH TIO₂ FOR DYE SENSITIZED
SOLAR CELL APPLICATIONS

15. Faculty in which Ph.D. was awarded/doing : 19/05/2017

16. Area of Specialization : Solar cell

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 & Technology, Erode	Professor	01.08.2011	Till date (as on 19.03.21)	11	1	
Maharaja College of Engineering and Technology,	Assistant Professor	1.6.2008	31.05.2011	3	-	
Vivekandhsa College of Engineering and technology	Assistant Professor	1.6.2007	31.12.2007	-	6	
PGPCollege of Engineering and Technology	Assistant Professor	07.7.2006	31.05.2007	-	11	
Total				15	5	

18. Industrial Experience:

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

19. Research Experience : 7 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 :

22. Number of Ph.D. candidates currently working :

23. Number of M.Phil.Candidates successfully completed :

24. Number of M.Phil.Candidates currently working:

25. Publications:

i) Books

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.
1	Synthesis Of Carbon Nanotubes With Mero-Cyanine Dyes Decorated Carbon Nanotubes For Biomedical Imaging Devices	Dr.S.Ranjitha, Dr.R.Lavanyadhevi, M.Sridharan, Dr. Rajakumargovindasamy	Springer Nature	2021	-
2	Physics For Information Sciences	Dr. Deepa Jananakumar Dr. S. Ranjitha, S.Sathya	KKS Publishers, Chennai	2019	-

ii) Articles in Journals

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
1	Investigation And Analysis Of Third-order Nonlinear Optical Property Of 1-acetyl-3,8-dihydro-6-methoxyanthraquinone For Biomedical Imaging Applications	Springer	-	-	July2021
2	Synthesis and development of novel sensitizer from spirulina pigment with silver doped TiO ₂ nano particles for bio-sensitized solar cells	Biomass and Bioenergy	141	-	October 2020

iii) Monographs/Reports (if any) _____

iv) NPTEL Courses:

- Solar Photovoltaics Fundamentals Technology And Applications

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 the paper
	From	To					
1	31.08.2018	01.09.2018	International Conference on “Advanced Nanomaterials for Energy, Environment and Healthcare Applications” (ANEH-2018)		KSR college		
2	22.03.2019	23.03.2019	International conference on Industry 4.0 and Advancements in Civil Engineering		PSG Tech Coimbatore		
3	5.7.2021	8 .7.2021	Modeling of Crystal Growth Processes and Devices (MCGPD-2021)-		International organization for Crystal Growth(IOCG), Indian Association for Crystal Growth (IACG) & Indian Science and Technology Association (ISTA)		

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

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own / Organizer
	From	To			
1	27.07.2021	31-07-2021	- AICTE Incorporating Universal Human Values in Education	AICTE	VCET

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

S. 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
1	16.03.2017	National Conference On	Co-Ordinator	“Bioenergy, Environment And Sustainable Technologies – A Future Approach	CSIR	15000	COMPLETED
2	04.09.2019	National Conference On	Co-Ordinator	Recent Trends In Smart Materials And Technologies In Bio Resources And Environment Safety	CSIR	15000	COMPLETED

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

Sl. No.	Name of the Journals and Conferences/ seminar	Organized by	Date / Period
1	Reviewer in journal of Energy	-	2018-2021
2	Reviewer in Spectrochemical Acta	-	2018-2021
3	Reviewer in Journal of Photovoltaics	-	2018-2021

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	MATERIAL RESEARCH SOCIETY OF INDIA, IISC,Bangalore	Life membership.

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

Copy Right

Sl. No.	Dairy Number	Title	status

35. Contribution for the Development of the Institution/ Department

A	To The Institution	Nacc Metric Incharge criteria 3.6
B	To the Department	Mentor
		Research Co-ordinator
		Stationary Incharge for Science and Humanities

36. Academic Performance

a. Results obtained:

Sl. No	Academic Year	Course	Sem	Class	Course	No. of Students	Pass %
1	2018-19	B.E	I	ECE02C	Engineering Physics	53	96
		B.E	I	CSE02B	Engineering Physics	54	91
		B.E	II	ECE02C	Physics for Electrical Sciences	53	100
		B.E	II	CSE02B	Physics for Information Sciences	54	100
2	2019-20	B.E	I	BME01B	Engineering Physics		

		B.E	I	EEE01A	Engineering Physics		
		B.E	II	BME02B	Medical Physics	43	100
		B.E	II	EEE02A	Physics for Electrical Sciences	39	100
3	2020-21	B.TECH	I	IT02A	Engineering Physics	62	100
		B.E	I	MECH01A	Engineering Physics	47	91
		B.TECH	II	IT02A	Physics for Information Sciences	62	100
		B.E	II	MECH01A	Materials Science	47	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 :

✓ Received CNR Young Researcher Award from VIT, Vellore in 2020

38. Self Assessment of Performance

S.No	Strengths	Weakness
1	Confidence , Acceptance	To enhance the knowledge in Research and Obtaining grants for research proposals from funding agencies
2	Self Confidence	