

FACULTY PROFILE

1. Name : Dr. N. THANGARAJ
2. Designation : PROFESSOR
3. Qualification : M.Sc., M.Phil., Ph.D.,
4. Department : PHYSICS
5. DOB & Age as on 28.2.2022 : 20.07.1981 & 40
6. Gender : Male
7. Address : 41, KANDAMPALYAM, PERUNDURAI
8. Phone –Mobile : 98423 88395
9. E_mail ID : knt_raj@yahoo.co.in
10. Marital Status : Married
11. Languages Known : TAMIL & ENGLISH
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	Kongu Engineering College	Anna University	October 2014	6.8	I
M.Phil.,	Physics	Bharathidasan University	Bharathidasan University	August 2006	78	I
M.Sc.,	Physics	V.H.N.S.N. College	Madurai Kamaraj University	May 2005	78	I
B.Sc.,	Physics	Chikkaiah Naicker College	Bharathiar University	May 2001	59.36	II
HSC	Maths, Physics, Chemistry	Bharathi Kalvi Nilayam Hr.Sec.School	-	March 1998	68.5	I
SSLC	-	Govt. Boys Hr.Sec.School	-	March 1996	75.4	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.) -

14. Title of Ph.D. Thesis : Structural and Magnetic Properties of Electrodeposited Ferrous Tungsten Phosphorous Thin Films

15. Faculty in which Ph.D. was awarded/doing : Science and Humanities (Physics)

16. Area of Specialization : Thin Films, Materials Science and Nanomaterials

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	Professor	01.07.2019	-	2	8	-
Velalar College of Engineering and Technology	Associate Professor	01.01.2016	30.06.2019	3	6	-
Velalar College of Engineering and Technology	Assistant Professor (Sl.Gr.)	01.07.2015	31.12.2015	-	6	-
Velalar College of Engineering and Technology	Assistant Professor (Sr.Gr.)	01.01.2011	31.06.2015	4	6	-
Velalar College of Engineering and Technology	Lecturer	01.07.2008	31.12.2010	2	6	-
Maharaja Engineering College	Lecturer	14.09.2005	30.06.2008	2	9	17
Total				16	5	17

18. Industrial Experience:

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

19. Research Experience : 12 years

20. Number of projects:

i) Completed

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

22. Number of Ph.D. candidates currently working : 04

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

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

25. Publications:

i) Books

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.
1.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Engineering Physics I	KKS Publishers	2014	-
2.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Engineering Physics II	KKS Publishers	2015	-
3.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Engineering Physics	KKS Publishers	2019	-
4.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Materials Science	KKS Publishers	2019	-
5.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Medical Physics	KKS Publishers	2020	-
6.	Dr. Deepa Jananakumar Dr. N. Thangaraj	Physics for Electrical Sciences	KKS Publishers	2020	-

ii) Articles in Journals

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
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1.	Effect of Temperature and Additives on Electrodeposited Co-W-P Magnetic Thin Film	Chalcogenide Letters	9	11-17	2012
2.	Effect of phosphorous acid and urea on the ferrous tungsten phosphorous magnetic thin film	Digest Journal of Nanomaterials and Biostructures	9	27-33	2014
3.	Effect of phosphorous acid on the ferrous tungsten phosphorous magnetic thin film	International Journal of ChemTech Research	6	384-390	2014
4.	Effect of NaH ₂ PO ₂ on Electrodeposited Ferrous Tungsten Phosphorous Thin Film	International Journal of ChemTech Research	6	509-514	2014
5.	Structural and Magnetic Properties of Ferrous Tungsten Phosphorous Thin Film	International Journal of ChemTech Research	6	645-651	2014
6.	Effect of current density on electrodeposited Ferrous Tungsten thin films	Indian Journal of Pure and Applied Physics	52	395-398	2014
7.	A comparative study of sodium hypophosphite and phosphorous acid on the Ferrous Tungsten Phosphorous thin films	Journal of Optoelectronics and Advanced Materials	17	597-601	2015
8.	Effect of current density on electrodeposited cobalt ferrous tungsten phosphorus magnetic thin films	Materials Today Proceedings	33	2310-2314	2020
9.	Effect of deposition time and bath temperature on Electrodeposited Nickel Manganese magnetic thin films	Materials Today Proceedings	42	1361-1365	2021
10.	Effect of current density on electrodeposited Ferrous Cobalt Tungsten magnetic thin films	Digest Journal of Nanomaterials and Biostructures	16	847-853	2021
11.	Effect of current density on electrodeposited Ferrous Cobalt Tungsten magnetic thin films	Digest Journal of Nanomaterials and Biostructures	16	855-862	2021

iii) Monographs/Reports (if any) : NIL

iv) NPTEL Courses : NIL

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.	26.11.2018	26.11.2018	One-day National workshop	Applications of graph labeling in communication networks	Velalar College of Engineering and Technology	Only participated	-
2.	22.03.2019	22.03.2019	One-day National Seminar	Applications of mathematics in cryptography and information security	Velalar College of Engineering and Technology	Only participated	-
3.	04.09.2019	04.09.2019	Conference	Recent trends in smart materials and technologies in bio resources and environment safety	Velalar College of Engineering and Technology	Only participated	-
4.	29.05.2020	29.05.2020	Workshop	Materials Science and Applications	Arulmigu Palaniandavar Arts College for Women	Only participated	-
5.	17.06.2020	22.06.2020	Short Term Training Program	Recent Development of Advanced Materials and its Applications in Technology	Society for Technologically Advanced Material of India and Luminescence Society of India	Only participated	-
6.	22.06.2020	28.06.2020	Workshop	Science Leadership	Central University of Punjab	Only participated	-
7.	04.07.2020	10.07.2020	Workshop	Materials	Sathyabama	Only	-

				Technology Advancement in Current Scenario	Institute of Science and Technology, Chennai	participated	
8.	21.09.2020	25.09.2020	Workshop	Functional Materials, Dye-sensitized Solar Cells and Perovskite Solar Cells	Kongu Engineering College, Perundurai	Only participated	-
9.	05.10.2020	09.10.2020	Workshop	Inculcating Universal Human Values in Technical Education	All India Council for Technical Education	Only participated	-
10.	19.10.2020	24.10.2020	Short Term Training Programme	Effective and Innovative Teaching, Best Practices and Learning Strategies	Velalar College of Engineering and Technology, Erode	Only participated	-
11.	02.11.2020	07.11.2020	Short Term Training Programme	Nanomaterials for Clean Energy and Environmental Applications	Dr. Mahalingam College of Engineering and Technology, Pollachi	Only participated	-
12.	20.11.2020	21.11.2020	International conference	Recent advances in Materials and Manufacturing	Velalar College of Engineering and Technology, Erode	-	Participated and presented the paper

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

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own / Organizer
	From	To			
1.	11.05.2020	13.05.2020	Improving your Research Visibility- Research Impact and Metrics	Velalar College of Engineering and Technology	-
2.	11.05.2020	16.05.2020	Novel Materials for Energy and Biomedical (Covid-19) Healthcare Applications	M.Kumarasamy College of Engineering	-
3.	18.05.2020	22.05.2020	Nanomaterials for energy harvesting and bio-medical applications	Godavari Institute of Engineering and Technology	-
4.	30.05.2020	03.06.2020	Evolution from offline to online Teaching	University of Mumbai & Microsoft	-
5.	22.06.2020	29.06.2020	Evolution on Functional Materials and its Effective Characterization towards Diverse Engineering Applications	Kumaraguru College of Technology, Coimbatore	-
6.	24.06.2020	30.06.2020	Application of New Materials in Emerging Field	Sathyabama Institute of Science and Technology, Chennai	-

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
1.	26.05.2021 to 28.05.2021	Workshop	Organizer	Art and Craft	-	-	-

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

Sl. No.	Name of the Journals and Conferences/ seminar	Organized by	Date / Period
1.	DJ Journal of Engineering Physics and Thermodynamics & DJ Publications	-	September 2015 to till date
2.	International Journal of Advances in Engineering Research & IRA Publications	-	December 2015 to till date
3.	International Journal of Research in Science and Technology & IRA Publications	-	December 2015 to till date
4.	International Journal of Universal Science & Engineering & IRA Publications	-	December 2015 to till date
5.	International Journal of Inventions in Engineering & Science Technology & IRA Publications	-	December 2015 to till date
6.	International Journal of Innovations in Applied Sciences & Engineering & IRA Publications	-	December 2015 to till date
7.	International Journal of Innovations in Scientific Engineering & IRA Publications	-	December 2015 to till date
8.	Multidisciplinary International Journal & IRA Publications	-	December 2015 to till date
9.	Emerging Innovations for Atmanirbhar Bharat	Bannariamman Institute of Technology	17.10.2020 to 18.10.2020

30. Chairman/Member of Authority/Committee etc:

Sl. No.	Chairman/Member/Secretary	Committee/Authority	Year (From-To)
1.	Member	Doctoral Committee	2016- Till Date
2.	Member	Board of Studies	2016- Till date
3.	Executive Member	National Digital Library of India Club	2021- Till date

31. Membership to professional Organization/Associations:

Sl. No.	Name of the Association/Organizations	Life member/Ordinary member
1.	Indian Society for Technical Education	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 : NIL

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	Roratact Club Coordinator NDLI Club Executive Member
B	To the Department	S&H Project Expo Coordinator 21MD01 Class Committee Chairperson

36. Academic Performance

a. Results obtained:

Sl. No	Academic Year	Course	Sem	Class	Course	No. of Students	Pass %
1.	2020-2021	B.E.	I	20BM1A	ENGINEERING PHYSICS	58	100.00
		B.E.	I	20MD01	ENGINEERING PHYSICS	54	100.00
		B.E.	II	20BM2A	MEDICAL PHYSICS	58	100.00
		B.E.	II	20MD02	MEDICAL PHYSICS	54	100.00
2.	2019-2020	B.E.	I	19EC1A	ENGINEERING PHYSICS	52	100.00
		B.E.	I	19EE1B	ENGINEERING PHYSICS	37	94.59
		B.E.	II	19EC2A	PHYSICS FOR ELECTRICAL SCIENCES	52	100.00
		B.E.	II	19EE2B	PHYSICS FOR ELECTRICAL SCIENCES	37	100.00

3.	2018-2019	B.E.	I	18CS1A	ENGINEERING PHYSICS	55	96.36
		B.E.	I	18EE1A	ENGINEERING PHYSICS	40	92.50
		B.E.	II	18CS2A	PHYSICS FOR INFORMATION SCIENCES	55	100.00
		B.E.	II	18EE2A	PHYSICS FOR ELECTRICAL SCIENCES	39	97.44

b. Student's Projects guided:

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

37. Awards/Recognitions : Best Rotaract Club Coordinator in R. I. District 3202.

38. Self Assessment of Performance:

S.No	Strengths	Weakness
1.	Excellent academic performance with positive progression by means of securing good pass percentage	-