NAME : N.S. LAKSHMIKANTHAN POSITION : Assistant Professor

FACULTY: Physics

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DATE OFBIRTH : 28–07–1966

LANGUAGES PROFICIENCY

READ: Tamil, English

WRITE: Tamil, English

SPEAK: Tamil, English



1. QUALIFICATION

S.NO.	DEGREE	DISCIPLINE	NAME OF THE INSTITUTION	YEAROF PASSING
1.	U.G.	Physics	A.V.V.M.Sri Pushpam College, Poondi, Thanjavur	1986
2.	P.G.	Physics	A.V.V.M.Sri Pushpam College, Poondi, Thanjavur	1990
3.	M.Phil.,	Physics	V.H.N.S.N. College, Virudhunagar	1999
4.	M.Ed.,	Education	Madurai Kamaraj University	2000
5.	M.C.A.,	Computer Application	Madurai Kamaraj University	2002
6.	Ph.D.	Physics	Gandhigram Rural Institute-Deemed University, Gandhigram- 624 302	pursuing

2. TEACHING EXPERIENCE

S.NO.	INSTITUTION	FROM	то
1.	Vivekananda College	20 – 07–1994	Till date

3. Position held in Vivekananda College

S.NO.	NAME OF THE POSITION	DURATION
1.	National Service Scheme Programme Officer, Approved by Madurai Kamaraj University	From 01–07–2005 to 01–07–2015 (10 Years)
2.	Head of the Department of Computer Science	From June 2011 to April 2015 (4 Years)
3.	Chairman, Board of Studies, Computer Science Department	From June 2011 to April 2015 (4 Years)
4.	Assistant Coordinator, Indira Gandhi National Open University (IGNOU) Study centre, Vivekananda College	From July 2010 to December 2011

_	Coordinator, Certificate courses, Computer Science Department, Vivekananda College	From June 2011 to April 2015
6	Coordinator, Computer Learning Programme for Rural School children.	From 2012 to 2015 (3 Years)
7	Coordinator, Student Culture Camp for Personality Development	From 2014 to 2016 (2 years)
X	Member, Board of studies, Dept. of Physics, Vivekananda College	From 2003 to till date
	Chairman, General Knowledge (Part IV Compulsory Course), Vivekananda College	From June 2010 to Till date
10.	Admission Processing member	From 1994 to 2012
11.	Admission Committee member	From 2013 to Till date
12.	Anti Ragging Committee member	During the Academic year 2016-2017

4. AREAS OF SPECIALIZATION

Electron Paramagnetic Resonance

5. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP Attended

S.No.	PROGRAMMES	THEME	ORGANIZED BY		DATE
1.	Refresher course In Physics	"Current Trends in Physics"	Academic Staff College, Madurai Kamaraj University		10-11-2010 30-11-2010
2.	Orientation Programme		Academic Staff College, Madurai Kamaraj University		16-05-2012 12-06-2012
3.	Refresher course in Nano Science	Nano Science	UGC-HRDC, University of Madras, Chennai		17-11-2015 07-12-2015
4.	Refresher course in Basic Sciences	"Inter-disciplinary Avenues for Advancement in Basic Sciences"	UGC-HRDC, Madurai Kamaraj University		02-11-2016 22-11-2016
5.	NSS Orientation Course		Avinasilingam Deemed University, Coimbatore	From To	03-08-2005 12-08-2005
6.	One day celebrating Life Training Programme for RRC and NSS Programme Officers		Red Ribben Club and National Service Scheme, Madurai Kamaraj University	10-03	-2011
7.	One day Faculty Training Programme on "Funded Research Project Proposal and Thesis Writing"		Department of Science and Humanities, Sethu Institute of Technology, Pullor, kariapatti, Virudhunagar District.	20-10)- 201 5

6. NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S.No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED
1.	Applications of	Department of Atomic Energy – BRNS,	Department of Physics, Fatima College, Madurai	22-08-2012 & 23-08-2012	Participated
	National Level Seminar on "Recent Trends in Physics"	UGC sponsored	Department of Physics, Sourashtra College, Madurai	20-02-2013	Participated
3.	National Conferences - 3 National Conference on "Perspective in Laser, Optics, Spectroscopy and Nano Science"	UGC sponsored	Department of Physics, Bishop Heber College, Tiruchirappalli	14-02-2011	Participated
4.	National Conference on "Advanced Materials"(NCAM 2014)	UGC sponsored	Department of Physics and Department of Electronics St. Joseph's College, Tiruchirappalli	24-02-2014	Participated
	Two day National Conference on Optics, Photonics and Lasers (NCOPL – 14)	UGC sponsored	PG & Research Department of Physics, Arul Anandar College Karumathur, Madurai	17-07-2014 & 18-07-2014	Participated
h	One day State Level	Kalasalingam University	Department of Physics, Kalasalingam University	06-04-2009	Participated
	"Microprocessor and its Applications"	Arulmigu Palaniandavar Arts College for Women, Palani	Department of Physics, Arulmigu Palaniandavar Arts College for Women, Palani	15-02-2011	Participated
	Workshop on "Materials Characterization	International Research Centre, Kalasalingam University	International Research Centre, Kalasalingam University, Krishnankoil	09-01-2015	Participated

9.	National Workshops - 3 Two days National Workshop on Recent Advances and Applications of Material Science (NWRAAMS)	UGC sponsored	Department of Physics, The Gandhigram Rural Institute-Deemed University, Gandhigram	02-11-2017 & 03-11-2017	Participated
10.	One day Workshop on "Material Characterization Techniques"	International Research	Department of Physics(SAS), International Research Centre(IRC), Kalasalingam Academy of Research and Education	25-01-2019	Participated
11.	Two days Science Academies' Lecture Workshop on "Recent Trends in Applied Physics for Technology"	-	Department of Physics, Vivekananda College, Tiruvedakam West.	29-12-2017 & 30-12-2017	Participated
11.	State Level Seminar – 1 One day State level seminar on "Recent Trends in Physics"		Department of Physics, Vivekananda College, Tiruvedakam West.	14-03-2019	Participated
12.	International Seminar - 1 International Seminar on "Crystalline Materials and Optoelectronic Devices"	Department of Physics, Jamal Mohammed	P.G. & Research Department of Physics, Jamal Mohammed College, Tiruchirappalli	03-02-2014	Participated
13.	International Guest Lecture Programme - 2 One day International Guest Lecture Programme on "Job opportunities in India and abroad"		Department of Physics, Vivekananda College, Tiruvedakam West.	11-10-2018	Participated
14.	One day International Guest Lecture Programme on " Physics and Nano Science in our day-to-day life".		Department of Physics, Vivekananda College, Tiruvedakam West.	05-12-2019	Participated

18.	Trends in Physics.	Delhi	Department of Physics, Vivekananda College, Tiruvedakam West.	19-03-2021	Convener
19.	Trends in Physics.	Delhi	Department of Physics, Vivekananda College, Tiruvedakam West.	20-03-2021	Convener

ONLINE WEBINARS, WORKSHOPS, FDP, SYMPOSIUM, QUIZ, ETC., ATTENDED DURING COVID-19

1.	International Live Webinar on "Applications of Spectroscopic Methods for Chemical Analysis"	Department of Chemistry	Pioneer Kumaraswamy College (Affiliated to MS University), Nagarkoil	22-05-2020	Participated
2.	International Webinar on "Challenges of Higher Education: E-Learning during Covid-19"	National College,	National College (Autonomous), Tiruchirappalli	23-05-2020	Participated
3.	International Webinar on "Brief Perspectives of Nanotechnology – Biosynthesis and Bio- application of Nanoparticles	PG and Research Centre of Zoology,	PG and Research Centre of Zoology, Jeyaraj Annapackiam College for Women, Periyakulam	27-05-2020 to 29-05-2020	Participated
4.	International Webinar on "60 YEARS OF LASERS: A Fascinating Journey "	PG and Research	PG and Research Department of Physics, Loganatha Narayanasamy Government College	04-06-2020 F/N	Participated
5.	International Webinar on "Recent Advances in Materials Science & Technology"	Department of Physics	Bannari Amman Institute of Technology, Sathyamangalam	04-06-2020 A/N	Participated
6.	International Webinar on "Functional Properties and Bandgap Engineering of ZnO- GaN Alloys"	PG and Research Department of Physics,	PG and Research Department of Physics, Jayaraj Annapackiam College for Women (Autonomous),	08-06-2020	Participated

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7.	International Webinar on "Listening to the Universe with Gravitational Waves"	Department of Physics	Rajapalayam Rajus' College, Rajapalayam	19-06-2020	Participated
8.	International Webinar on "Thin film Deposition Techniques and its Applications"	PG and Research Department of Physics Jointly with IQAC	The Madurai Diraviyam Thayumanavar Hindu College, Thirunelveli	25-06-2020	Participated
9.	International Webinar on "Recent Advances in Materials Science and Technology"	Department of Physics	Aditanar College of Arts and Science, Tiruchandur	26-06-2020	Participated
10.	International Webinar on "Electric Vehicles – The Future of Transportation"	Department of Physics and Chemistry	St. Joseph's Institute of Technology, OMR, Chennai	08-07-2020	Participated
11.	International Webinar on "The Journey of Startup: From Product Management to Growth Hacks"	Department of Electrical and Electronic Engineering	Department of Electrical and Electronic Engineering, Mandsaur University,	31-07-2020	Participated
12.	International Webinar on "Quantum materials and Nanoparticles for Advanced Applications"	Department of Physics(SF)	Department of Physics(SF), Kamaraj College, Thoothukudi	06-08-2020	Participated
13.	International Webinar on "Solar and Wind Energies – A Paradigm Shift to a Green Sustainable Future"		SONA College of Arts and Science (Affiliated to Periyar University), Salem	17-08-2020	Participated
14.	International Webinar on "Exploration of Main Group Compounds for Promoting Metal-Free Transformation in Industries"	Department of Science	St. Joseph's College of Engineering, OMR, Chennai	19-08-2020	Participated
15.	International e-Seminar on "Solar Activities in 21 st Century"	Department of Physics & IQAC	Department of Physics & IQAC, Govt. PG Autonomous College, Datia, Madhya Pradesh	08-09-2020	Participated
16.	National Webinar on "Dating Sand Using Luminescence	Department of Physics	Voorhees College, Vellore	02-06-2020	Participated
17.	National Webinar on "Dynamic Materials Model"	Department of Physics	SNDP Vaishnav College for Women, Chromepet, Chennai	12-06-2020	Participated

18.	National Level Webinar on "Stable Organic-Inorganic Hybrid Halide Perovskite Nanocrystals for LEDs"	PG and Research Department of Physics	Thiagarajar College, Madurai	03-07-2020	participated
19.	National Level Webinar on "Recent Techniques on Single Crystal Growth and its Characterization"	Research Centre and PG Department of Physics	The Madura College, Madurai	21-07-2020	Participated
20.	National Webinar on "Role of Engineers in Security:Atal Tunnel, An Engineering Marvel"	Department of Applied Sciences and Humanities	Balwant Singh Engineering Technical Campus, Bichpuri, Agra (Uttar Pradesh)	28-07-2020	Participated
21.	National Webinar on "Magnetism and Magnetic Materials"	Department of Physics	SSN College of Engineering, Kalavakkam, Chennai	30-07-2020 & 31-07-2020	Participated
22.	National Webinar on "Cultural Traditions of India"		IGNOU – Learners Support Centre, Vivekananda College, Tiruvedakam West	20-01-2022	Participated
23.	National Level Technical Meet on " Micro and Nano Fabrication and Characterization Techniques"	Department of Physics(SF)	Department of Physics(SF), Kamaraj College, Thoothukudi	09-11-2020	Participated
24.	Webinar on "Micro & Nanotechnology and its Applications"	Department of Physics	GTN Arts College (Autonomous), Dindigul.	14-05-2020	Participated
25.	Webinar on "Super Capacitors: New Age Energy Storage Devices"	Department of Physics	Ayya Nadar Janaki Ammal College, Sivakasi	19-05-2020	Participated
26.	Webinar on "Recent Trends in Energy Materials and Technology: Research and Applications"	Department of Physics	S.T. Hindu College, Nagarkoil	25-05-2020	Participated
27.	Webinar on "Graphene based Nanocomposites for Energy Storage"	Department of Physics	V.O. Chidambaram College, Thoothukudi	01-06-2020	participated
28.	Webinar on "Powder X-ray Diffraction Patterns Analysis Using Openwares"	PG Department of Physics	V.O. Chidambaram College, Thoothukudi	22-06-2020	Participated

29.	Webinar on "Recent Trends in Material Science"	Department of Physics & IQAC	DBJ College, Chiplun, Dist. Ratnagiri, Affiliated to University of Mumbai	02-07-2020	Participated
30.	Webinar on "Writing a Scientific Manuscript - Key Points to Remember & Key Factors for Writing a Scitific Proposal"	Department of Physics	JP College of Arts and Science (Affiliated to MS University), Ayikudi, Tenkasi District	08-07-2020	Participated
31.	Webinar on "Cost-effective Thin Film Technology for Environmental Applications"	Department of Science and Humanities (Physics)	C. Abdul Hakeem College of Engineering & Technology, Vellore	11-08-2020	Participated
32.	<u>FDP</u> on "Physics of Materials"	Department of Physics	JAIN (Deemed-to-be University, Bengaluru	28-05-2020 to 30-05-2020	Participated
33.	FDP 6 days Programme on "Technical Advances in Novel Materials"	Physics Research Centre and Humanities and Science Department	St. Xavier's Catholic College of Engineering, Nagarcoil.	05-10-2020 to 10-10-2020	Participated
34.	International FDP on "Frontiers of Physics in Bio- Medical Applications"	Department of Science	St. Joseph's College of Engineering, Chennai	19-10-2020 to 21-10-2020	Participated
35.	Workshop One Week Workshop on Materials Technology Advancement in Current Scenario – MTACS2020	Department of Physics	Sathyabama Institute of Science and Technology, Chennai	04-07-2020 to 10-07-2020	Participated

7. MEMBER OF THE BOARD OF STUDIES

S.No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION	
1.	Vivekananda College	Member, Board of studies, Dept. of Physics	From 2003 to till date	
2.	Vivokananda College	Chairman, Board of Studies, Computer Science Department	From June 2011 to April 2015 (4 Years)	

8. E-CONTENT DEVELOPED

S. No.	NAME OF THE COURSE	NAME OF THE E-CONTENT	MONTH / YEAR	LINK OF THE E-CONTENT DEVELOPED
1.	B.SC.,Physics Mechanics(06CT11)	Mechanics_Presentation1	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4601961- mechanics-presentation1/

2.	B.SC.,Physics Mechanics(06CT11)	Mechanics_Conservation of Momentum	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602274- mechanics-conservation- momentum/
3.	B.Sc., Physics Optics and Sound(06CT22)	Optics and Sound_Double Slit	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602597- optics-sound-double-slit/
4.	B.Sc., Physics Optics and Sound(06CT22)	Diffraction	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602579- diffraction/
5.	B.Sc., Physics Optics and Sound(06CT22)	Optics and Sound_Polarization	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602617- optics-sound-polarization/
6.	B.Sc.,Physics Major Practical-I (06CP23)	I BSc.Phy_Measurements of Instruments	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602638- bsc/
7	B.Sc.,Physics Electrical Home Appliances(06NE21)	Transformer	May 2021	http://www.authorstream.com/ Presentation/NSLVC- 4602812-transformer/
8.	B.SC.,Physics Analog Electronics(06CT41)	Analog Electronics Unit III,IV & V	April 2020	http://www.authorstream.com/ Presentation/NSLVC-4260428- analog-electronics-06ct41-ppt/
9.	B.SC., Physics Object Oriented Programming with C++(06EP51)	C++_Constructors and Destructors	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4601986- constructors-destructors/
10.	B.SC.,Physics Medical Instrumentation (06SB63)	Medical Instrumentation	May 2020	http://www.authorstream.com/ Presentation/NSLVC-4261573- medical-instrumentaion/
11.	B.SC., Physics Allied Physics-II(06AT02)	Allied Physics-II(Unit 3) Nuclear Physics	May 2020	http://www.authorstream.com/ Presentation/NSLVC-4266680- allied-physics-ii-unit/
12.	B.SC.,Physics Analog Electronics(06CT41)	Analog Electronics Test	27-04-2020	https://testmoz.com/2891824

				
13.	B.SC.,Physics Allied Physics-II(06AT02)	Allied Physics-II Test	05-05-2020	https://testmoz.com/3156192
14.	B.SC.,Physics Medical Instrumentation (06SB63)	Medical Instrumentation Test	13-05-2020	https://testmoz.com/3233172
15	B.SC.,Physics Numerical Methods (06CT42)	Bisection Method	May 2021	http://www.authorstream.com/ Presentation/NSLVC-4602803- bisectionmethod-class1/
16.	B.SC.,Physics Spectroscopy(06CT32)	Atom	January 2022	http://www.authorstream.com/ Presentation/NSLVC- 4809027-spectroscopy-atom/
17.	B.SC.,Physics Spectroscopy(06CT32)	Hydrogen atom	January 2022	https://drive.google.com/file/d/ 10yYB5fk7jD08xZe77svWsOt1kv Fny_8h/view?usp=sharing
18.	B.SC.,Physics Spectroscopy(06CT32)	Electronic configuration	January 2022	https://drive.google.com/file/d/ 1HZbBDMtkaXZCHZicWgZFkCfcr w7Wf XJ/view?usp=sharing
19.	B.SC.,Physics Spectroscopy(06CT32)	Quantum Numbers Associated with Vector atom Model	January 2022	https://drive.google.com/file/d/ 13a1c7GggTIHFS63KbgfN8zWjLe WmlbzK/view?usp=sharing
20.	B.SC.,Physics Spectroscopy(06CT32)	LS and jj coupling	January 2022	https://drive.google.com/file/d/ 1jmdCN6muqCkfkxCufkRf7dnRm T2IIRXP/view?usp=sharing
21.	B.SC.,Physics Object Oriented Programming with C++(06EP51)	Computer Basics	January 2022	http://www.authorstream.com/ Presentation/NSLVC-4809017- computer-basics/
22.	B.SC.,Physics Object Oriented Programming with C++(06EP51)	C and C++	January 2022	http://www.authorstream.com/ Presentation/NSLVC-4809021/
23.	B.SC.,Physics Object Oriented Programming with C++(06EP51)	C operators	January 2022	https://drive.google.com/file/d/ 1607936_ugUThcUrHwqsNDLOT FDT48kgb/view?usp=sharing
24.	B.SC.,Physics Object Oriented Programming with C++(06EP51)	Decision making and Branching	January 2022	http://www.authorstream.com/ Presentation/NSLVC-4602794- class4/

25.	B.SC.,Physics Object Oriented	C++ Programs	_	http://www.authorstream.com/ Presentation/NSLVC-4809010-	
25.	Programming with C++(06EP51)	_	2022	programs/	

9. EXTENSION ACTIVITIES

NSS Programme Officer, Unit No.75

S. NO.	NAME OF THE ORGANISING UNIT/ AGENCY/ COLLABORATING AGENCY (NSS, NCC, RRC, YRC, CLUB, DEPARTMENT, SWACHH BHARATH, GENDER ISSUE ETC.)		DATE
1.	Special Camps: 10 Days Special Camp at Melakkal Village	NSS Unit No.75, Approved by Madurai Kamaraj University	28-04-2006 to 07-05-2006 (Ten Days)
2.	10 Days Special Camp at Thenkarai Village	NSS Unit No.75, Approved by Madurai Kamaraj University	07-05-2007 to 16-05-2007 (Ten Days)
3.	10 Days Special Camp at Nedunkulam Village	NSS Unit No.75, Approved by Madurai Kamaraj University	04-05-2008 to 13-05-2008 (Ten Days)
4.	7 Days Special Camp at Ayyappanayakkanpatti Village	NSS Unit No.75, Approved by Madurai Kamaraj University	28-04-2009 To 04-05-2009 (Seven Days)
5.	7 Days Special Camp at IrumbadiVillage1. Awareness Rally of "Rain Water Harvesting" & "Public Health"	NSS Unit No.75, Approved by Madurai Kamaraj University	16-05-2010 to 22-05-2010 (Seven Days)
6.	 7 Days Special Camp at Kamatchipuram Village 1. Free Medical Camp conducted with the help of Physicians from Primary Health Centre, Thuvariman on 16-05-2011 2. Free Veterinary Medical Camp with the help of Veterinary Doctors from Thirupparankundrum on 19-05-2011 	NSS Unit No.75, Approved by Madurai Kamaraj University	15-05-2011 to 21-05-2011 (Seven Days)

	7 Days Special Camp at Mettuneerethan Village		
7.	 Tree sapling planting ceremony by Assistant Conservator of Forest on 09-06-2014 Free Veterinary Medical Camp on 10-06-2014 	NSS Unit No.75, Approved by Madurai Kamaraj University	07-06-2014 to 13-06-2014 (Seven Days)
8.	One Day Camp: One day Camp at Janakai Narayana Temple, Sholavandan	NSS Unit No.75	07-10-2012
9.	Free Blood Donation Camp: Free blood donation camp conducted by NSS with help of Govt. Primary Health Centre, Kachaikatti on 08-09-2012	NSS Unit No.75	08-09-2012

10. ANY OTHER

- > Membership of Professional bodies, Societies etc.,
 - 1. Master Trainer Census of India 2011
 - 2. Presiding Officer Local body, Assembly and Parliamentary Elections