

PERSONAL DETAILS AND AFFILIATION	
Name of the Faculty Member	Dr.V.SURESH
Designation	ASSOCIATE PROFESSOR
Department	Electronics and Communication Engineering
Date of joining the institution	07.08.2003
Address for Communication	Department of ECE, National Engineering College, K.R.Nagar, Kovilpatti- 628503.
Email ID/webpage ID	vsece@nec.edu.in <a href="https://nec.edu.in/wp-content/uploads/2020/02/suresh_eie.pdf">https://nec.edu.in/wp-content/uploads/2020/02/suresh_eie.pdf</a>



EDUCATIONAL QUALIFICATION			
DEGREE	BRANCH	UNIVERSITY	YEAR
B.E.	ECE	M.K.UNIVERSITY	2000
M.E.	PCI	ANNAMALAI UNIVERSITY	DECEMBER 2001
Ph.D.	ELECTRICAL	ANNA UNIVERSITY	AUGUST 2018

EXPERIENCE						
S.NO.	NAME OF THE INSTITUTION /ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1	Maharaja Engg. College, Avinasi.	lecturer	08.01.2003	05.08.2003	0	8
2	National Engg. College, Kovilpatti	lecturer	07.08.2003	31.05.2008	04	10
3		Asst. Professor (Re designated as AP(SG) on 01.11.2011)	01.06.2008	09.07.2013	05	01
4		Asso. Professor	10.07.2013	Till date	08	05
					19	00

PH.D.SCHOLAR DETAILS (Applicable for Recognized supervisors only)				
NAME OF THE RESEARCH SCHOLAR	MODE OF RESEARCH	INSTITUTION	UNIVERSITY	STATUS
Mr. S. Valai Ganesh	PT	Ramco Institute of Technology	Anna University	DC-Meet-1 completed
Mr.T.SelvaSundar	PT	Ramco Institute of Technology	Anna University	DC-Meet-1 completed

FUNDED PROJECTS (If any)			
S.NO.	TITLE OF THE PROJECT & ROLE	AGENCY	DURATION
1	Development of Hall Sensor array based Magnetic Flux Leakage (MFL) system for non- destructive imaging and evaluation of localized defects in ferromagnetic steam generator tubes	Board of Research in Nuclear Science(BRNS)	2011 - 2014

Amount :Rs. 23,44,750/- Co-Investigator		
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<b>PATENTPUBLISHED (If any)</b>				
<b>S.NO.</b>	<b>TITLEOFTHEINVENTION</b>	<b>NAMEOFINVENTOR</b>	<b>APPLICATION No</b>	<b>PUBLICATIO NDATE</b>
1	AN APPARATUS FOR THE LOCOMOTION OF VISUALLY IMPAIRED PERSONS	Dr.V. Suresh A.Jefferson John S.Arjune	202041007308	Application Filing Date: 20 February 2020

<b>PUBLICATIONS</b>	
<b>JOURNALS</b>	
1.	V. Suresh, A. Abudhahir, and Jackson Daniel, "Characterization of Defects on Ferromagnetic Tubes Using Magnetic Flux Leakage", IEEE TRANSACTIONS ON MAGNETICS, VOL. 55, NO. 5, MAY 2019. (Impact Factor: 1.651 )
2.	J. Sam Alaric, V. Suresh, A. Abudhahir, M. Carmel Sobia and M. Baarkavi, "Theoretical Analysis of the Rectangular Defect Orientation using Magnetic Flux Leakage", DE GRUYTERS published Measurement Science Review, Vol. 18(2018), No. 1, 28-34. (Impact Factor: 1.122 )
3.	V Suresh, A Abudhahir and Jackson Daniel, "Development of magnetic flux leakage measuring system for detection of defect in small diameter steam generator tube", Elsevier published Measurement Vol. 95 (2017) 273-279 (Impact Factor: 1.825)
4.	V. Suresh and A. Abudhair, "Dipole Model to Predict the Rectangular Defect on Ferromagnetic Pipe", The Korean Magnetics Society published Journal of Magnetics Vol. 21 (2016), No.3, 437-441. (Impact Factor: 0.548 )
5.	V. Suresh and A. Abudhahir, "An Analytical Model for Prediction of Magnetic Flux Leakage from Surface Defects in Ferromagnetic Tubes", De Gruyters published Measurement Science Review, Vol. 16(2016), No. 1, 8-13. (Impact Factor: 0.965)
6.	V. Suresh, A. Hathimary, Dr. A. Abudhahir and N. Chermakani, "Theoretical Analysis of Magnetic Flux Leakage Signal from Arbitrary Oriented Rectangular Defect in Ferromagnetic Pipe", International Journal of Applied Engineering Research, Vol. 10, 2015 pp 14957-14962.
7.	V. Suresh, M. Vivekanandan, Dr. A. Abudhahir and N. Chermakani, "Development of Imaging System for Defect Detection on Steam Generator Tubes", International Journal of Applied Engineering Research, Vol. 10, 2015 pp 15031-15035.
8.	V.Suresh, V.K.Gopperundevi, Dr.A.Abudhahir, R.Antonysamy and K.Muthukkutti, "Simple Algorithm for the Magnetic Field Computation in Bobbin Coil Arrangement ", International Journal of Innovative Research in Computer and Communication Engineering, Vol.02, 2014
9.	V. Suresh, A.N.AbdulHaq and A. Abudhahir, "Simulation Study of Different Magnetizers for MFL Testing in Steel Tubes", Journal of Emerging Technologies – Electrical Engineering, Special Issue – ICBDM 2013, Vol.01 No.01

## CONFERENCES

1.	Transforming Biomedical Applications Through Smart Sensing and Artificial Intelligence HA TJ, V Suresh - Deep Neural Networks for Multimodal Imaging and Biomedical Applications 2020, 186-204, Publisher-IGI Global
2.	HariniAkshaya.T.J., Suresh.V., Carmel Sobia.M, "An Extensive Study on the Optimization Techniques and its Impact on Non-linear Quadruple Tank Process", International Conference on Information Management & Machine Intelligence (ICIMMI-2019), Poornima Institute of Engineering & Technology, Jaipur 14-15 December 2019.
3.	KalyaniSundaram, Suresh V and Jackson Daniel, "Modeling and Analysis of PID controller Performance in QIP" 2nd International Conference on Recent Advances in Engineering and Technology, Sri Krishna college of engineering and technology, Coimbatore, Tamilnadu, 8th & 9th Feb.2019. ISBN No. 978-93-87862-50-0, pp no. 871-875.
4.	K.Marimuthu ,S.Chokkalingam , P.Selva and V.Suresh, " GSM Based Smart Energy Meter", International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR - 2018)19th- 20th April, 2018 Thoothukudi, Tamilnadu.
5.	M.Baarkavi, V.Suresh and M.CarmelSobia, "Analytica Model to Detect the Orientation of the Rectangular Defect Using Magnetic Flux Leakage Technique" International Conference on Emerging Trends in Engineering & Technology (ICETET 2K16), Arunachala College of Engineering for women, Kanyakumari, Tamilnadu,09th& 10th December 2016.
6.	S N. Poornima, V. Suresh and J. BabithaThangamalar, "Imaging of Steam Generator Tube using Magnetic Flux Leakage Technique", Third International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS'16), Karpagam College of Engineering, Coimabtoe, Tamilnadu,17-18th March 2016.
7.	K.Gopinath, V.Suresh and Dr. A. Abudhahir, "3D Modeling of MFL Inspection System to Detect the Defects on the outer surface of Small bore Tube", International Conference on Innovations in Information Embedded and Communication Systems- (ICIIECS'14) , Karpagam college of Engineering, Coimbatore, 13th & 14th March 014.
8.	N.Chermakani, V Suresh, A Abudhahir and PritheeMadan, "Frequency Response Based PID controller Design With Setpoint Filter", IJCA Proceedings on International Conference on Innovations In Intelligent Instrumentation, Optimization and Electrical Sciences, 2013, Vol. 01, PP. 25-28.
9.	Manjanajothi, A Abudhahir and V Suresh, "Impact of Sensor NonLinearity on the Performance of a Closed Loop Process Control System", International conference on innovations in Intelligent Instrumentation, Optimization and Signal Processing (ICIIOS 13), Karunya University, Coimbatore, March 2013.
10.	A.N.AbdulHaq, V.Suresh, A.Abudhahir and Jackson Daniel, "Numerical analysis of Magnetic flux leakage Inspection of Outer Side defect on Steel Tube Using Inner Coil Arrangement", National conference on "Recent Trends in Instrumentation Application "(RETINA'15), National Engineering College, Kovilpatti,Tamilnadu, 26th & 27th February 2015
11.	V. Suresh, A. Hathimary, Dr. A. Abudhahir and N. Chermakani, "Numerical analysis of Magnetic flux leakage Inspection of Outer Side defect on Steel Tube Using Inner Coil Arrangement", Recent Trends in Instrumentation Applications - RETINA'15, National Engineering College, Kovilpatti, 26th & 27th February 2015.
12.	V. Suresh, V.Rajinikanth and Sri Madav Raj, "Process Monitoring and Control using Virtual Instrumentation", National conference on Recent Trends in Instrumentation Applications - RETINA'04, National Engineering College, Kovilpatti, December 23rd & 24th 2004.

**WORKSHOPS/SEMINARS/CONFERENCES/TRAININGPROGRAMMESORGANIZED (If any)**

S.NO.	NAME OF THE PROGRAMME &VENUE	FUNDING AGENCY	NO. OF PARTICIPANTS	RESPONSIBILITY
1.	Recent Trends in Instrumentation Application RETINA'09 - NEC	TNSCST	45	Co- coordinator
2.	Research Issues on Non-Destructive Evaluation RNDE'13 - NEC	BRNS	40	Co- coordinator
3.	REcent Trends in Instrumentation Application RETINA'15 - NEC	National Engg. College	48	Co- coordinator
4.	Industrial Automation using programmable logic controller (PLC)-02nd April 2016 - NEC	Self- Support	52	Coordinator & Technical content delivery
5.	Industrial Automation 16th September 2017 - NEC	ISTE	55	Coordinator & Technical content delivery
6.	Introduction Programmable Logic Controller (PLC)-09th September 2017	ISOI	60	Coordinator & Technical content delivery
7.	Industrial Automation using programmable logic controller (PLC)-22nd & 23rd February 2018 - NEC	Self- Support	40	Coordinator & Technical content delivery
8.	Industrial Automation 14th feb.2019 - VOC college of Engineering	Anna University	42	Expert Person
9.	Hands on Training Program on PLC and SCADA 16th March 2019 - VOC college of Engineering	Anna University	45	Expert Person
10.	National Innovation and Start-up policy on 20.01.2020 - VOC college of Engineering	VOC College	50	Resource Person

**INDUSTRYTRAININGPROGRAMMESATTENDED (If any)**

S.NO.	NAME OF THE PROGRAMME	NAME OF THE INDUSTRY	DATES WITH DURATION
1	Industrial Training Programme	Seshasayee paper and boards limited (spb)), Tirunelveli – 627 601, tamilnadu.	21.04.2018 to 25.04.2018
2	Industrial Training Programme	Southern Petrochemical Industries Corporation (SPIC) Limited, Tuticorin – 628005, Tamilnadu.	31.10.2016 to 11.11.2016

**JOURNAL REVIEWER**

2.	De Gruyters published Measurement Science Review Journal
3.	Elsevier published Measurement

**MEMBERSHIPDETAILS**

1.	ISTE -Life member Membership Number: LM41828
2.	IEEE-Member - 94733535
4.	<a href="http://orcid.org/0000-0002-4795-2776">http://orcid.org/0000-0002-4795-2776</a>
5.	<a href="https://scholar.google.co.in/citations?user=z9l8K1QAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=z9l8K1QAAAAJ&amp;hl=en</a>
6.	<a href="https://www.researchgate.net/profile/Suresh_v">https://www.researchgate.net/profile/Suresh_v</a>