



**Name:** Subuddi.Nagaraju

**Employee Id:** A5EEE00T20

**PF Account No:** GR/VSP/0041230/000/0000212

**Designation:** Assoc.Professor

**Department:** EEE

**Date of Birth:** 17-03-1976

**Father Name:** Late S.Bhanumurthy Garu

**Mother Name:** S.Ramanamma Garu

**Reservation Category if Any:** OC

**Address:** D. No: 13-19(1)-40/1, Maguvari Thota - Street, Srikakulam-532001.

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**Date of Joining in the Institution:** 01-08-2009

**Academic Excellence:**

QUALIFICATION	BOARD/ UNIVERSITY	DIVISION	YEAR
Pursuing Ph.D	Andhra University	NA	Joined in 2014
M. Tech (Energetics)	Calicut University	First class	2000
B.E	Andhra University	First class	1998

**Total Years of Experience:** 18 Years

PERIOD		ORGANIZATION/ INSTITUTE	DESIGNATION
Aug 09	Till Date	AITAM, Tekkali	Assoc.Professor
Apr 2004	Jul 2009	TCS, Chennai	I.T.Analyst
April 2001	Apr 2004	TCS, Chennai	Assistant systems Engineer
Aug 2000	Jan 2001	G.M.R.Institute of Technology	Asst Professor

**Areas of Interest:**

1. Power System Protection
2. Economic Load Dispatch
3. Electric Power Distribution
4. Power System Analysis
5. Electromagnetic Field Theory

**Guidance of Academic Projects:**

- i) Doctoral Projects : N/A
- ii) Masters Projects : 8
- iii) Bachelor Projects : 18

**Sponsored Research Projects:**

S. No.	Sponsoring Agency	Title of the Project	Grant
1	-	- N/A -	

**Funding from external agencies:**

S. No.	Sponsoring Agency	Title of the Program	Grant
1	-	- N/A -	

**Honors and awards received: -****Memberships of Professional Societies and Other Organizations:**

ISTE Membership No: LM 71386

Institute of Engineers Member No: M-145246-5

**Other Responsibilities:**

1. Class Teacher
2. Student Counselor
3. NBA coordinator

**Details of Book Publications: - Nil****Details of Publications:**

1. S.Nagaraju, Shaik Baji, Dr.D.Vijayakumar, "Three Phase Single Stage Boost Inverted with coupled Inductor for Renewable Energy Sources" (IJERT, Vol.2, Issue 11, Nov.2013, ISSN: 2278-0181)

2. S.Nagaraju. Rajashekar, Dr. D.Vijayakumar, “Applications of Wavelets in Power Quality Disturbances” ( IJAST, Vol.7, No.2, ISSN:2229-5216)
3. S.Nagaraju, Chandra Sekhara Rao, Dr.D.Vijaya Kumar, “Performance Evaluation of Static Compensation for Grid connected system for Power Quality Improvement Features”, (IJERT, Vol.2, Issue 11, Nov 2013, ISSN:2278-0181)
4. “Sensorless Speed estimation Technique for the Vector controlled permanent Mangent Synchronous motor drive” (IJSAT, Vol.6, Issue 1, Jan 2013, ISS:2259-5216).
5. R.kavitha, S.Nagaraju, “Modelling and Implementation of fuzzy vector control for Induction motor drive”, (IJERGS, Vol.3, Issue 4, July-August 2015)
6. P.Raju, S.Nagaraju, T.Jaganmohan Rao, “Induction motor speed control using space vector pulse width modulation” (IJRSET, Vol.5, Issue 11, Nov 2016)
7. A.V.Phani Pavan, S.Nagaraju, A.Srinivasa Reddy, “ Economic Dispatch with Valve Point effect using Whale Optimization Algorithm”, IJPES, Vol.8, Issue 3, Mar 2017
8. D.Mohan Rao, S.Nagaraju, K.Suneel Goutham, “PSO BASED MPPT TECHNIQUE FOR PV/WIND HYBRID SYSTEM”, JARDCS, Vol. 9. Sp– 14 / 2017, Pg-661-670
9. S.Nagaraju, A.Srinivasa Reddy, K.Vaisakh, “Shuffled Differential Evolution Algorithm based Combined heat power emission Dispatch” Soft computing in Data Analytics, Vol. 758, Pg-525-532
10. B. Srinivasa Rao, N. Sowjanya, M. Bhaskararao, S. Nagaraju “Esa Based Upqc Controller to Improve Power Quality in Microgrid System”, IJEAT, Volume-9 Issue-2, Pg-4479-4486

#### **Conference papers:**

1. Power Quality improvement by UPQC, National conference on NCRDEE ( National conference on Recent Development in Electrical Engineering) at AITAM, during 15, 16<sup>th</sup> March 2013.
2. S.Nagaraju, A.Srinivasareddy, Prof.K.Vaisakh, “Comparision of Two soft computing Techniques for Economic Load dispatch with Valve point loading”, 2<sup>nd</sup> International conference on power system analysis control and Optimization (ICPSACO-2015),pp:273-277
3. S.Nagaraju, K.Suneelgoutham, D.MohanRao, “Economic Dispatch Incorporating Solar Farm using Teaching Learning Based Optimization Technique”, National conference (AEAPS-2017),pid: NCAEAPS215.
4. S.Nagaraju, A.Srinivasa Reddy, K.Vaisakh, “Shuffled Differential Evolution- based combined heat and power economic dispatch”, 1<sup>st</sup> International conference on Soft computing in Data Analytics (SCDA 2018), Sri Sivani college of Engg., Chilakapalem
5. S.Nagaraju, A.Srinivasa Reddy, K.Vaisakh, “Shuffled Differential Evolution Algorithm based Combined heat power emission Dispatch”, 1<sup>st</sup> International conference on computational intelligence in Pattern Recognition 2019, IIEST, Shibpur, Kolkota.

**Details of Conferences / Workshops / Refresher Courses Organized: Nil**

**Details of Conferences / Workshops / Refresher Courses Attended:**

**Internal:**

S. No	Dates	Name of The Programme	Host Institution
1	09 <sup>th</sup> to 10 <sup>th</sup> Feb 2010	Emerging trends in power electronics drives and systems	AITAM,TEKKALI
2	Feb 11 <sup>th</sup> to Feb 25 <sup>th</sup> 2011	Mission 10X	AITAM,TEKKALI
3	11 <sup>th</sup> Nov 2011	Faculty development program on Teaching methodology	AITAM,TEKKALI
4	16 <sup>th</sup> to 29 <sup>th</sup> April, 2012	soft computing application to power system and control using MATLAB	AITAM,TEKKALI
5	19 <sup>th</sup> Jan 2013	Outcome Based Education	AITAM,TEKKALI
6	26 <sup>th</sup> to 28 <sup>th</sup> Dec, 2013	Soft computing applications Power Systems	AITAM,TEKKALI
7	24 <sup>th</sup> to 26 <sup>th</sup> Jan, 2014	power quality improvement in Hybrid Systems	AITAM,TEKKALI
8	15 <sup>th</sup> to 16 <sup>th</sup> Nov, 2014	9 <sup>th</sup> ISTE AP section annual convention and awards function	AITAM,TEKKALI
9	6 <sup>th</sup> Dec 2014	Outcome Based Education	AITAM,TEKKALI
10	9 <sup>th</sup> March 2015	Outcome Based Education	AITAM,TEKKALI
11	25 <sup>th</sup> April 2015	Outcome Based Education	AITAM,TEKKALI
12	4 <sup>th</sup> to 8 <sup>th</sup> Apr, 2015	Effective solutions to smart grid	AITAM,TEKKALI
13	3 <sup>rd</sup> to 7 <sup>th</sup> Aug 2015	REIMAGINE STEM	AITAM,TEKKALI
14	22 <sup>nd</sup> to 27 <sup>th</sup> Sep 2016	Optimization techniques for Electrical Engineering Applications	AITAM,TEKKALI
15	13 <sup>th</sup> 14 <sup>th</sup> Aug 2019	A Two Day Workshop on Outcome Based Education	AITAM,TEKKALI
16	27 <sup>th</sup> to 1 <sup>st</sup> Feb 2020	Labview in Engineering and Academic Research	AITAM,TEKKALI
17	16 <sup>th</sup> to 20 <sup>th</sup> Nov 2020	Electric vehicles	AITAM,TEKKALI

**External:**

S. No	Dates	Name of The Programme	Host Institution
1	8 <sup>th</sup> July to 9 <sup>th</sup> July 2010	Insight to Nanotechnology	A.U. College of Engg., Vizag
2	18 <sup>th</sup> to 19 <sup>th</sup> Dec 2010	Advances in Power Systems and Power Electronics	KL University, Vijayawada.
3	17 <sup>th</sup> to 18 <sup>th</sup> Dec 2011	Artificial Intelligence Techniques in Engineering Application	MVGR College, Vizianagaram

4	Feb 21 <sup>st</sup> to Feb 25 <sup>th</sup> 2013	Smart Technologies for Power Management	MNIT, Jaipur
5	22 <sup>nd</sup> June 2013	Nuclear Power Plants	IEI, Visakhapatnam
6	4 <sup>th</sup> to 5 <sup>th</sup> April 2014	Fuzzy systems and Neural networks in power system optimization	A.U. College of Engg., Vizag
7	2 <sup>nd</sup> to 3 <sup>rd</sup> March 2015	Low voltage Hybrid AC-DC Microgrids (LVHADM 2015)	A.U. College of Engg., Vizag
8	10 <sup>th</sup> to 12 <sup>th</sup> Dec 2015	2 <sup>nd</sup> International conference on Power System Analysis, control and Optimization	A.U. College of Engg., Vizag
9	15 <sup>th</sup> Feb 2016	NPTEL Workshop	GITAM, Visakhapatnam
10	11 <sup>th</sup> -15 <sup>th</sup> Nov 2016	Optimization Techniques and their implementation using Matlab (OTATIUM)	MNIT, Raipur
11	23 <sup>rd</sup> Dec 2016	Collaborative Research and Funding Opportunities in Power Engineering	A.U. College of Engg., Vizag
12	24 <sup>th</sup> to 25 <sup>th</sup> Oct 2017	Smart Power Technologies	A.U. College of Engg., Vizag
13	10 <sup>th</sup> 11 <sup>th</sup> March 2018	1 <sup>st</sup> International conference on Soft computing in Data Analytics	Sri Sivani College of Engg., Chilakapalem
14	25 <sup>th</sup> to 30 <sup>th</sup> June 2018	Solar PV Systems Design and their Performance	Gayatri Vidya Parishad College of Engg., Visakhapatnam
15	Jul to Oct 2018	FDP program Non-conventional Energy Resources	IIT Madras
16	17 <sup>th</sup> to 21 <sup>st</sup> Dec 2018	A one week Hands-on training program on Photovoltaic systems and DC Microgrids (PVSDCM-2018)	A.U. College of Engg., Vizag
17	19 <sup>th</sup> to 20 <sup>th</sup> Jan 2019	1 <sup>st</sup> International conference on computational intelligence in Pattern Recognition 2019	IEST, Shibpur, Kolkata
18	Feb to Apr 2019	FDP program introduction to Research	IIT Madras
19	26 <sup>th</sup> to 31 <sup>st</sup> Aug	Restructured Power system modeling and Simulation	Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam
20	25 <sup>th</sup> to 29 <sup>th</sup> Dec 2019	Engineering projects for assistive technology needs	NIT Tadepalligudem, AP
21	7 <sup>th</sup> to 16 <sup>th</sup> May 2020	Research opportunities in Electrical Engineering	Government college of Engineering, Karad
22	11 <sup>th</sup> to 16 <sup>th</sup> May 2020	Research Challenges and Innovations in Renewable Energy Systems	AVIT, Paiyanoor, Chennai, TN

23	18 <sup>th</sup> to 19 <sup>th</sup> May 2020	Research Paper Writing & Intellectual Property Rights	Rajarambapu Insitute of Technology Sangli,MS
24	25 <sup>th</sup> to 30 <sup>th</sup> May 2020	One week online faculty development program on Python 3.4.3	Sri Visvesvaraya Institute of Technology, Nashik
25	25 <sup>th</sup> to 29 <sup>th</sup> May 2020	Implementation and Simulation of Electrical engineering applications Using PLECS tool	Vaagdevi college of Engineering, Hyderabad
26	2 <sup>nd</sup> to 6 <sup>th</sup> June 2020	Tools for scientific communication and effective teaching	Vaagdevi college of Engineering, Hyderabad
27	8 <sup>th</sup> to 12 <sup>th</sup> June 2020	Recent innovation and Technologies in Electric vehicles	GATES institute of Technology, AP
28	15 <sup>th</sup> to 19 <sup>th</sup> June 2020	Explore Electrical Engineering in Industrial Applications	Manakula vinayagar Institute of Technology, Puducherry, TN
29	13 <sup>th</sup> to 25 <sup>th</sup> July 2020	Python Programming	Andhra Pradesh state skill develop corporation, AP
30	8 <sup>th</sup> to 12 <sup>th</sup> Sept 2020	Advanced Microgrid, Operation and Contro(AMGOC-2020)	VSSUT, BURLA, ODISHA

**Other Achievements:**

1. Achieved Telugu Merit Scholarship in 1991.
2. Secured GATE Score of 86.86 percentile in GATE-98
3. Ratified as Asst. Professor in 2000 in JNTUH selections.
4. Ratified as Assoc. Professor in 2010 in JNTUK selections.
5. Got 1<sup>st</sup> Rank in Full-time and 2<sup>nd</sup> rank in part-time Ph.D (AURCET-2013) entrance exam conducted by Andhra University, Visakhapatnam.
6. Achieved NPTEL online certification for “Effective Engineering Teaching in Practice” 4 week program conducted by IIT, Madras

Signature