

National Institute of Technology, Tiruchirappalli:
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Curriculum Vitae



Brief Profile:

I received my B.E. degree in Electronics and Communication Engineering from College of Engineering, Guindy, Chennai in 1978, M.E. degree in Control Systems from PSG College of Technology, Coimbatore in 1980 – both from Madras University and Ph.D. in Electrical Engineering in 1990 from Bharathidasan University. Since 1982, I have been with the Department of Electrical and Electronics Engineering at National Institute of Technology, Tiruchirappalli, where presently I am a Professor. I served as Dean (Industrial Consultancy and Sponsored Research) during 2008 - 2010. I had been the Head of EEE Department from 2003 to 2005. I served as Deputy Controller of Examinations in the institute from 1990 to 1995. I also helped the administration in various other capacities such as Convener – Sports Committee, Convener – School Committee, Staff Adviser – Tamil Mandram. etc.

My research is in power engineering specifically in the area of Power Electronic Controllers for Wind driven Induction generators and Solar PV systems. I have completed a number of research projects worth eighty lakh rupees. I also hold an Indian patent, “ A new Four-Stage Power Controller for Improved Energy Efficiency and Saving in Reactive Power for Three- phase Induction Motors and Wind-Driven Grid-Connected Induction Generators”. I have published more than 50 peer reviewed International journal and conference papers and have conducted many engineering short term courses on Power Electronic applications to wind energy systems. I constantly review research papers in the area of power converters, wind and solar energy systems, and have examined a number theses in these areas. I am a life member of ISTE and fellow of IE. I have supervised 8 Ph.D. students in the areas of Power Engineering, Computer network, Computer architecture and Image processing.

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| 1. Name: | Dr. N. Ammasai Gounden |
| 2. Designation: | Professor |
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| 5. Email (Primary): ammas@nitt.edu | Email (Secondary) : amashnit@gmail.com |
| 6. Field(s) of Specialization: | Electronics, Power Electronics |

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

7. Employment Profile

Job Title	Employer	From	To
Lecturer	Regional Engineering College (presently NIT), Tiruchirappalli	06.08.1982	18.05.1992
Assistant Professor	Regional Engineering College (presently NIT), Tiruchirappalli	19.05.1992	03.02.1999
Professor	National Institute of Technology, Tiruchirappalli	04.02.1999	till date

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division / Grade	Subjects
Ph.D.	Bharathidasan University	1990	-	Electrical Engineering
M.E.	Madras University (PSG college of Tech.)	1980	First	Control Systems
B.E.	Madras University (College of Engg., Guindy)	1978	First	Electronics and Communication Engineering
P.U.C.	Vivekananda College, Chennai (Madras University)	1973	First	Maths, Physics, Chemistry
S.S.L.C.	Govt. High School, Kavilipalayam (Hr. Sec. Board)	1972	First	Algebra and Geometry

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Deputy controller of Examinations (PG)	Academic	1990	1995
Staff advisor, Tamil Mandram	Administrative	1990	2000

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Head, CSG	Administrative	Dec 2000	May 2001
Sports Convener	Administrative	2000	2002
HOD, EEE dept.	Academic and Administrative	2003	2005
Nodal officer TEQIP	Administrative	6 months in 2004	
Convener, REC School Committee	Administrative	2006	2008
Dean , IC&SR	Administrative	2008	2010

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Academic council member	Kalasalingam University, Krishnankoil, Virudhunagar.	2014	2016
	SIT Polytechnic College, Trichy.	2014	2017
Academic auditor	PSG college of Technology, Coimbatore.	2012	2015
BoS member	PSG college of Technology, Coimbatore.	2009	2012
	Annamalai University, Chidambaram.	2014	2016
	Thiagarajar College of Engineering, Madurai.	2005	2007
	Anna University, Chennai	2011	2014

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2011	TI India Analog Design Contest	Texas Instruments, India
2013		
2013		

12. Fellowships - Nil

13. Details of Academic Work

(i) Curriculum Development:

Framed the syllabus for Analog Electronics, Digital Electronics, Micro-processor and applications (UG), Industrial Control Electronics, Micro-controller applications to Power Electronics (PG).

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

(ii) Courses taught at Postgraduate and Undergraduate levels:

Postgraduate level: Industrial Control Electronics, Micro-controller applications to Power Electronics, Power Converters.

Undergraduate levels: Analog Electronics, Digital Electronics, Micro-processor and applications, Power Electronics, Linear Integrated Circuits, Control systems.

(iii) Projects guided at Postgraduate level : Total number ~60

(iv) Other contribution(s): DPEC Chairman for M.Tech. Power Electronics, Member in Ph.D. and M.S. admission committees. At the institute level acted as member in various purchase committees.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Neural controller for integrated wind/solar system for battery charging	MHRD	2000	2002	Completed
FIST	DST	2004	2008	Completed
Development of infrastructure in Power Electronics Lab	NAMPET	2007	2009	Completed
Development of Micro-Grid Controller Integrated with Multiple types of Renewable Sources and Loads	Power Grid	2013	2015	Completed
Design and Implementation Techniques to estimate the Traffic Speed and Density for Urban India	CETranSE	2015	2017	On-going

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
S.Arul Daniel	Power Electronic Interfaces and control strategies for PV and wind turbine generator schemes	Supervisor	2003
S.Sudha	Computer Network - Differentiated services network	Supervisor	2009
M.Alarmel Mangai	Certain investigations of PCA - based Clustering for object recognition	Supervisor	2012
V.Geetha	Customizing techniques to enhance the performance of web cache replacement policies and instruction set coding for hand held devices	Supervisor	2013
N.Ramasubramanian	Techniques for efficient resource utilization on multicore platforms	Supervisor	2012
Krithiga.S	Investigation of Certain Power Electronic Converter Topologies For Photovoltaic Power Generation Systems	Supervisor	2014
Binu Ben Jose. D.R	Power electronic interfaces for solar and wind energy conversion systems	Supervisor	2015
M.Brindha	Development of certain image encryption algorithms for improved performance	Supervisor	2016

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
9-10 May 2013	Perspectives on Curriculum	National	Participant	TEQIP	NITT
16 August 2011	Next Generation of Power Systems	International	Paper presenter	IEEE ICIIS	Faculty of Engineering, University of Peradeniya, Sri Lanka
22-23 April 2005	Small Hydro Power Projects	National	Participant	IIT, Roorke and CEESAT, NIT	CEESAT, NITT
23-27 July 2007	Developing emotionally intelligent leadership	International	Participant	ASCI, Hyderabad	ASCI, Hyderabad
2-4 October 2008	7 Habits of Highly Effective People (Franklin Covey)	National	Participant	NITT/ TEQIP	Munnar, Kerala
11-12, April 2014	Advancements in Automation and Control	International	Keynote Speaker	SA Engineering College	SA Engineering College, Ramanathapuram
6-8 February 2013	Power, Energy & Control	International	Chairperson	PSNA, Dindigul	PSNA, Dindigul
9-10 May 2016	Engineering, Science, Business and Management	International	Paper Presenter	ICESBM	Hyatt Place Hotel, Al Rigga, Dubai, UAE

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Solar-PV Electric conversion systems	National	January 18-19, 2013	Coordinator cum Speaker	NIT, Trichy
Wind Energy Electric Conversion Systems		January 4-5, 2013		
PIC microcontroller applications in power electronic circuits	National	June 22-23, 2012	Coordinator cum Speaker	NIT, Trichy
Microprocessor, Microcontrollers and Their Applications		December 14 -15, 2007		

18. Invited Talks delivered

Topic	Date	Inviting Organization
Power Electronics and Drives	29.11.2016	Thiagarajar College of Engineering, Madurai
Power Converter design for Wind Energy Systems.	27.02.2016	Kalasalingam University, Viruthunagar
Renewable energy sources for distributed generation	26.06.2015	Vidya Niketan College of Engineering, Tirupathi
LCI for grid connected solar PV systems	21.03.2015	College of Engineering, Guindy, Chennai.
Overview of power electronics in renewable energy applications	19.04.2014	Sastra University, Thanjavur.
Power electronic controllers for wind applications	28.02.2014	Ambetkar Institute of Technology, Bangalore.
A unified power converter controller for wound rotor Induction generator	08.01.2014	SSN College of Engineering, Chennai.
Renewable Energy conversion systems with PV for maximum output	04.05.2013	Govt. College Technology, Coimbatore.

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Challenges in harnessing wind/solar energy.	15.03.2013	Kamarajar College of Engineering and Technology, Viruthunagar.
Research issues in the design of Power Electronic interfaces for Renewable Energy Sources	24.11.2012	AC College of Technology, Karaikudi
Power Quality issues in the perspective of textile mills	03.11.2012	Thiagarajar College of Engineering, Madurai
Fourier series for Electrical Engineers	01.03.2012	PSG College of Technology, Coimbatore.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life member	ISTE	2005
Fellow of IE	IE	F-114590-4/ET 13.10.2009

20. Academic Foreign Visits

Country	Duration of Visit	Programme
USA	10 days	University Collaboration
Srilanka	4 days	International Conference
Dubai	4 days	International Conference

21. Publications

(A) Refereed Research Journals: Given in Annexure 1.

(B) Conferences/Workshops/Symposia Proceedings: Given in Annexure 2.

(C) Books & Monographs -Nil

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Annexure 1

21 (A) Refereed Research Journals

1. K. Navin Sam, N. Kumaresan, and **N. Ammasai Gounden**, “Wind-driven Stand-alone DFIG with Battery and Pumped Hydro Storage System” Accepted for publication in **Sadhana - Academy Proceedings in Engineering Science (SCIE indexed: ISSN: 0256-2499)**.
2. K. Navin Sam, N. Kumaresan, **N. Ammasai Gounden** and Rajesh Katyal, “Optimal Reactive Power Controller for Wind-Driven Stand-Alone Doubly-Fed Induction Generators” Accepted for publication in **International journal of Wind Engineering**.
3. Sumedha M. Mahajan, S. Senthil Kumar, N. Kumaresan, **N. Ammasai Gounden** and E. Rajkumar, “Decoupled control strategy for the operation of capacitor-excited induction generator for DC power applications”, Accepted for publication in **IET Power Electronics (SCIE indexed : ISSN: 1755-4535)**
4. Dwijasish Das, N. Kumaresan, V. Nayanar, K. Navin Sam and **N. Ammasai Gounden**, “Development of BLDC Motor Based Elevator System Suitable for DC Microgrid,” **IEEE / ASME Transactions on Mechatronics**, Vol. 21, No. 3, June 2016, pp.1552-1560. (SCIE indexed: **ISSN: 1083-4435**).
5. K.Venkatraman, B.Dastagiri Reddy, M.P.Selvan, S.Moorthi, N.Kumaresan and **N.Ammasai Gounden**, “Online condition monitoring and power management system for standalone micro-grid using FPGAs”, **IET Generation, Transmission and Distribution**, Vol. 10, No. 15, pp. 3875 – 3884, 2016 (**SCI - 1751-8687**).
6. M.Brindha and **N.Ammasai Gounden**,”A chaos based image encryption and lossless compression algorithm using hash table and Chinese Remainder Theorem “, **Applied Soft Computing (Elsevier)** , Vol. 40, pp. 379-390, 2016 (**SCI – 1568 – 4946**).
7. M.Brindha and **N.Ammasai Gounden**,”Image encryption scheme based on block-based confusion and multiple levels of diffusion”, **IET Computer Vision**, Vol. 10, Issue. 6, pp 593 – 602, 2016 (**SCI - 1751-9632**).
8. V.Nayanar, N. Kumaresan and **N. Ammasai Gounden**, “A Single Sensor Based MPPT Controller for Wind-Driven Induction Generators Supplying DC Microgrid”, **IEEE Trans. Power Electronics**, Vol. 31, No. 2, pp. 161 – 172, 2016. (**SCI – 1548 - 9387**).
9. M.Brindha, **N. Ammasai Gounden**. and M. Sriram. “A hybrid image encryption algorithm using chaos and conway's game-of-life cellular automata”, **Security and Communication Networks (Wiley)**, Vol. 9, No. 7, pp. 634 – 651, 2015 (DOI - 10.1002/sec.1352).
10. K. Navin Sam, N. Kumaresan, **N. Ammasai Gounden** and R. Katyal, “Analysis and Control of Wind-Driven Stand-Alone Doubly-Fed Induction Generator with Reactive Power Support from Stator and Rotor Side”, **Wind Engineering**, Vol. 39, No. 1, pp. 97-112, 2014.

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

11. K. Vijayakumar, N. Kumaresan and **N. Ammasai Gounden**, "Speed sensor-less MPPT and constant output power operation of wind-driven WRIGs", **IET Power Electronics**, Vol. 8, No. 1, pp. 33-46, 2015 (**SCI – 1755-4535**).
12. D. R. Binu Ben Jose, **N. Ammasai Gounden** and V. Rajesh, " Power Electronic Interface with MPPT using Line Commutated Inverter for Grid-connected Permanent Magnet Synchronous Generator" **Electric Power Components and Systems**, Vol. 43, No. 5, pp. 543 – 555, 2015 (**SCI-1532-5008**)
13. D.R. Binu Ben Jose, **N. Ammasai Gounden**, A.Vasanth, "Hybrid Power Electronic Controller for combined operation of Constant Power and MPPT for single phase Grid-tied PV Systems", **IET Power Electronics**, Vol. 7 , No. 12, pp. 3007 – 3016, 2014 (**SCI – 1755-4535**)
14. S.Krithiga , **N.Ammasai Gounden**, "A Power Electronic Configuration for the operation of PV System in Combined Grid-Connected and stand-alone modes", **IET-Power Electronics** , Vol. 7, No.3,pp. 640-647, 2014. (**SCI – 1755-4535**)
15. S.Krithiga , **N.Ammasai Gounden**, " An improved Power Electronic controller with unity power factor for single-stage grid tied PV systems", **Arabian Journal of Science and Engineering (Springer)**, Vol.39, No.10, pp.7173-7182, 2014. (**SCI-1319-8025**)
16. D.R. Binu Ben Jose **N. Ammasai Gounden** Jayashri Ravishankar , "Simple power electronic controller for photovoltaic fed grid-tied systems using line commutated inverter with fixed firing angle", **IET Power Electronics**, Vol.7,No.6, pp.1424-1434, 2014. (**SCI – 1755-4535**)
17. S.Krithiga , **N.Ammasai Gounden**, "Investigations of an improved PV system topology using Multilevel Boost converter and line commutated inverter with solutions to grid issues", **Simulation Modeling Practice and theory** (Elsevier), vol.42, pp.147-159, 2014 (**SCI -1569-190X**)
18. Alarmel Mangai, **N. Ammasai Gounden**, "PCA-Based Learning for Preceding Vehicle Classification", **IET Intelligent Transport Systems**, , vol.8(1), pp.28-35, 2014. (**SCI - 1751-956X**)
19. K.Vijayakumar, N. Kumaresan, and **N. Ammasai Gounden**, "Operation of inverter assisted wind-driven slip-ring induction generator for stand-alone power supplies", **IET Electric Power Applications**, vol.6(3), pp.162-171, 2012.(**SCI – 1751-8660**)
20. Krithiga.S, Binu Ben Jose.D.R, Raghavendra Upadhy.H , **Ammasai Gounden.N**, "Grid tied PV array using Power Electronic Converters with Fuzzy Logic Controller for MPPT", **Australian Journal of Electrical and Electronics Engineering**, vol.9(4), pp.393-400, 2012.
21. S.Senthil Kumar, N. Kumaresan, **N. Ammasai Gounden**, Namani Rakesh, "Analysis and control of wind-driven self-excited induction generators connected to the grid through power converters", **Frontiers in Energy**, Vol. 6(4), pp.403-412, 2012.
22. Binu Ben Jose.D.R and **N. Ammasai Gounden**, "A Unified Power Electronic Controller for Wind Driven Grid Connected Wound Rotor Induction Generator using Line Commutated Inverter", **Frontiers in Energy**, vol.7(1), pp.39-48, 2013.

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

23. Alarmel Mangai, M. and **Ammasai Gounden, N.**, Subspace-Based Clustering and Retrieval of 3-D objects, **Computers and Electrical Engineering**, Elsevier, vol.39, issue 3, pp. 809-817, 2013. **(SCI – 0045-7906)**
24. S.Sudha, **N.Ammasai Gounden,**”An aggregate marker for bandwidth fairness in Diffserv”, **Journal of Network and Computer Applications (Elsevier)**,Vol 35, Issue 6, 2012, pp. 1973–1978. **(SCI – 1084-8045)**
25. K. Vijayakumar, N. Kumaresan, K. Amara Bhagavan and **N. Ammasai Gounden**, “A DSP based closed loop controller for power smoothing operating of wind-driven WRIG systems”, **International Review on Modelling and Simulations**, Vol. 5, No. 1, 2012, pp. 185-192.**(SCI- 1974-9821)**
26. K. Vijayakumar, N. Kumaresan and **N. Ammasai Gounden**, “Operation and closed-loop control of wind-driven stand-alone DFIGs using single inverter-battery system”, **IET Electr. Power Appl.**, Vol. 6, Issue. 3, 2012, pp. 162-171. **(SCI – 1751-8660)**
27. Alarmel Mangai, **N. Ammasai Gounden**, “Classification of 3-D objects and faces employing view-based clusters”, **Computers and Electrical Engineering (Elsevier)**, Vol. 37 Issue 5 , 2011, pp.824-833. **(SCI – 0045-7906)**
28. Alarmel Mangai,M. and **Ammasai Gounden,N.**, Subspace-Based Learning for Face Retrieval, **International Review on Computers and Software**, Vol 7, No1, 2012, pp.122-131.
29. Geetha Krishnan, **N. Ammasai Gounden**, “ SAT- A Split – Up Cache Model to Boost the Performance of Web Cache Replacement Policies”, **Cybernetics and Information Technologies** , Vol.11,No.4, 2011, pp.71-79
30. S. Arul Daniel and **N. Ammasai Gounden**, “Simulation of photovoltaic array driven electric machines with power electronic interfaces”, **SIMULATION: Transactions of the Society for Modeling and Simulation international**, Vol.86, No.11,2010, pp.699-711.**(SCI- 0037-5497)**
31. S.Sudha, **N.Ammasai Gounden**, “A New TSW Based Marker for Bandwidth Fairness Between Aggregates in DiffServ.,**International Journal of Computer Sciences and Engineering Systems** Vol.4,No.3, 2010,pp.235-241.
32. **N. Ammasai Gounden**, Sabitha Ann Peter, Himaja Nallandula, S. Krithiga, “Fuzzy logic controller with MPPT using line-commutated inverter for three-phase grid-connected photovoltaic systems”, **Renewable Energy(Elsevier)**, 2009, 34, pp. 909–915. **.(SCI- 0960-1481)**
33. S.Sudha, **N.Ammasai Gounden**,’A New Token allocation algorithm for TCP traffic in DiffServ Network’ **International Journal of Computer, Internet and Management**, Vol. 16,No.3 ,2008,pp 41-47.
34. S. Arul Daniel and **N. Ammasai Gounden**, "A novel hybrid isolated generating system based on PV fed inverter assisted wind driven induction generators", **IEEE Transactions on Energy Conversion**, Vol.19, No.2, 2004, pp. 416-422. **(SCI -0885-8969)**
35. **N. Ammasai Gounden** and M. Subbiah, “Microprocessor-based voltage controller for wind-driven induction generators”, **IEEE Transactions on Industrial Electronics**, Vol. 37, No.6, 1990, pp 531-537. **(SCI - 0278-0046)**

National Institute of Technology, Tiruchirappalli:
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36. **N. Ammasai Gounden** and M. Subbiah, “ Chopper-controlled wind-driven self-excited induction generators”, **IEEE Transactions on Aerospace and Electronic Systems**, Vol. AES-25, No.2, 1989, pp.268-276.**(SCI- 0018-9251)**
37. **N. Ammasai Gounden**, M.Subbiah, and M.R.Krishnamurthy, “Operating cost optimisation of speed changing induction motors”, **IEE Proc Pt. B.**, Vol. 135, No.1, 1988, pp 33-38. **(SCI – 1751-8660)**
38. **N. Ammasai Gounden**, M. Subbiah and M.R. Krishnamurthy, “Wind-driven self-excited pole-changing induction generators”, **IEE Proc. Pt. B**, vol. 133, No.5, 1986, pp.315-321. **(SCI – 1751-8660).**

National Institute of Technology, Tiruchirappalli:

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Annexure 2.

21 (B) Conferences

International

1. Kishore, P. Ananth, M. ; Chidambaram, S. ; Vivekanandan, B. ; **Gounden, N.A.** Solar Based Hybrid Electric Powered Wheel Chair, 2013 Texas Instruments India Educators' Conference, pp.18-24.
2. Harini Muthukrishnan, Layamrudhaa Renganathan Venkatesan, Harini Suresh, Varsha Padhee, **N Ammasai Gounden,** "Low cost analog controller for electricity powered vehicles", 2013 Texas Instruments India Educators' Conference, pp.230-236
3. S.Krithiga, **N.Ammasai Gounden,** "A microcontroller based power electronic controller for PV assisted DC motor control", IEEE International Conference on ICIIIS 2011, 16-19 Aug. 2011, pp. 505 – 510, Srilanka.
4. M.Alarmel Mangai, **N. Ammasai Gounden,** "A Subspace-based Multi-view Face Clustering and Recognition Approach", IEEE International Conference on Communications and Signal Processing (ICCSP 2011) 10 - 12 February 2011, India
5. M.Alarmel Mangai, N. Ammasai Gounden,"Subspace-Based Preceding Vehicle Detection",IEEE Recent Advances in Intelligent Computational Systems, Sep 22-24, 2011, India.
6. R. Karthigaivel, N. Kumaresan, **N. Ammasai Gounden,** G. Meena Devi and M. Subbiah, "Identification and analysis of operating modes of single-phase semi-converter fed battery charging circuits using Symmetrical Angle Control Scheme - A monograph", Proceedings of the International Conference ICIIAS 2010, during June 15-17, 2010, Malaysia.
7. M.Alarmel Mangai, **N. Ammasai Gounden,**"View-based grouping and retrieval of 3D objects from their appearances",IEEE INDICON 2010, December 17-19, 2010, India
8. R. Karthigaivel, N. Kumaresan, N. Ammasaigounden, G. Meena Devi and M. Subbiah, "Identification and analysis of operating modes of single-phase semi-converter fed battery charging circuits using Extinction Angle Control scheme - A monograph", Proceedings of the International Conference TENCON 2009, during November 23-26, 2009, Singapore.
9. S.Sudha, **N.Ammasai Gounden** ,"Adaptive Token Allocation Algorithm for Enhancing the Fairness Among Long Live TCP Flows in Diffserv", National Conference on Challenges and opportunities in Information Technology (COIT 08), Mandi Gobingarh, Punjab, March 29, 2008.
10. S.Sudha, **N.Ammasai Gounden** ,"A Modified Approach for Fair Bandwidth Allocation between TCP and UDP Traffic in DiffServ Network", IEEE International Conference on Computer and Communication Engineering (ICCCE 08), KualaLumpur, Malaysia, May 13-15, 2008.
11. S.Sudha, **N.Ammasai Gounden,** "A Three Colour Per Flow Marker for DiffServ Networks", the proceedings of IEEE- International Conference on Signal Processing, Communication and Networking (ICSCN 08), Chennai, January 4-6, 2008.

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

12. T.Shanti, **N.Ammasai Gounden**, "Power Electronic interface for grid-Connected PV array using Boost Converter and Line -Commutated Inverter with MPPT", proceedings of the IEEE International Conference on Intelligent and Advanced Systems, KL, Malaysia, November 25-28,2007.
13. V. Lavanya, **N. Ammasai Gounden**, and Polimera Malleswara Rao, "A Simple Controller using Line Commutated Inverter with Maximum Power Tracking for Wind-Driven Grid-Connected Permanent Magnet Synchronous Generators" Proceedings of IEEE International Conference on Power Electronics and Drive systems, December 13-15, 2006, New Delhi, India.
14. N. Kumaresan, **N, Ammasai Gounden** and M. Subbiah, "Certain control strategies for three-phase semi-converters for the operation of self-excited induction generators", Proceedings of 2002 IEEE International Conference on Industrial Technology, 11-14, December 2002, Bangkok, Thailand, Vol.II, pp. 986 – 991.
15. S. Arul Daniel and **N. Ammasai Gounden**, "Fuzzy logic control of an integrated wind driven dc generator and PV array",proceedings of the international conference on computer applications in electrical engineering- recent advances(CERA 01), Indian Institute of Technology, Roorkee, pp. 678-682, February 2002.
16. S. Arul Daniel and **N. Ammasai Gounden**, "A standalone integrated wind turbine generator and photovoltaic array with feed forward controlled PWM inverter", proceedings of the international conference on energy, automation and information technology(EAIT 2001), Indian Institute of Technology, Kharagpur, pp.667-670, December-2001.
17. S. Arul Daniel and **N. Ammasai Gounden**, "Application of microcontrollers in small scale remote power supplies", proceedings of the IEEE ACE 2001, 27th annual convention and exhibition of IEEE India council, New Delhi, pp. 67-70, November-2001
18. S. Arul Daniel and **N. Ammasai Gounden**, "Certain design aspects of small scale wind/pv remote power supplies", seminar on renewable energy sources for generation of electricity, organised by IEEE Mumbai branch, Pune. pp 29-32, August 2001.

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19. S. Arul Daniel and **N. Ammasai Gounden**, "Development of a genetic algorithm for sizing a hybrid wind-photovoltaic system with battery charging", Proceedings of National symposium on systems,Indian Institute of Technology Madras, Chennai .pp. 31-32, september-2001.
20. S. Arul Daniel and **N. Ammasai Gounden**, "Integrated wind and photovoltaic schemes for remote power supplies",proceedings of the National Workshop on Energy and Environment Management for sustainable development of agriculture and agro-industria sector, Institution of Engineers(India), Bhopal. pp. 106-108, July 2001.