

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

Subramaniam Senthilkumar (M'17) received the B.E. degree in electrical and electronics engineering from Madurai Kamaraj University, Madurai, India, in 1999, the M.Tech. degree in electrical drives and control from Pondicherry University, Puducherry, India, in 2005, and the Ph.D. degree in electrical engineering from the National Institute of Technology, Tiruchirappalli, India, in 2013. He has 17 years of teaching experience at various engineering institutions. Since April 2006, he has been working at the National Institute of Technology. He has extensively researched on self-excited induction generators for standalone and grid-connected applications. His current research interests include the development of new power converter topologies for renewable energy systems.

1. Name: **S. SENTHIL KUMAR**
2. Designation: **Associate Professor**
3. Office Address: Associate Professor / EEE, Thuvakudi,
Tiruchirappalli - 620015, Tamilnadu
4. Telephone (Direct) (Optional):
Telephone: 04312503261 Extn (Optional):
Mobile (Optional):9443165211
5. Email (Primary): skumar@nitt.edu Email (Secondary):
6. Field(s) of Specialization: Power Electronic circuits
7. Employment Profile

Employer Name	Position Held	Period of Employment		Pay Scale, Basic Pay, Total Emoluments
		From	To	
NIT Trichy	Associate Professor	12-03-2018	Till Date	152500 Basic Pay (9500 AGP)
NIT Trichy	Assistant Professor	10-04-2011	12-03-2018 (6y 11m)	15600-39100(7000) 26880 Gross:837333
NIT Trichy	Assistant Professor	10-04-2006	10-04-2011 (5y 0m)	15600-39100(6000) 21000 Gross:73500
Valliammai Engineering College, Chennai	Lecturer	28-03-2006	08-04-2006 (0y 0m)	8000-275-13500(22500) 8000 Gross:22500
Rajiv Gandhi College of Engineering	lecturer	01-06-2005	27-03-2006 (0y 9m)	8000-275-13500(15500) 8000 Gross:15500
Rajiv Gandhi College of Engineering	lecturer	18-06-2001	06-08-2003 (2y 1m)	8000-275-13500(15500) 8000 Gross:15500
Pallavan College of Engineering	lecturer	03-09-1999	04-06-2001 (1y 9m)	8000-275-13500(15200) 8000 Gross:15200

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

Matric/10th, Pre-Univ. /12th and Diploma			
Examination	School/University	Year	% Marks/ Grade
Ph. D. of Award:		Date	29-07-2013
Title of the Ph. D.:	Analysis and Control of Capacitor-Excited Induction Generators and Power Electronic Converters for Stand-Alone and Grid-Connected Applications		
Institute/University:	NITT		
PG		Year of Passing:	2005
Name of the Degree:	M.Tech.		
Branch / Specialization:	Electrical Drives and Control		
Institute Name:	Pondicherry Engineering College Pondicherry		
University Affiliating:	Pondicherry University		
UG		Year of Passing:	1999
Name of the Degree:	B.E.		
Branch / Specialization:	EEE		
Institute Name:	Thiagarajar College of Engineering Madurai, Madurai Kamaraj University		
University Affiliating:	Madurai Kamaraj University		
Marks/CGPA: 3187.00	Max. Marks/CGPA: 4800		Division I Class
Diploma	SBTET	1996	91.00
Pre-Univ./12 th	-	--	-
Matric/10 th	Tamilnadu Board	1993	61.60

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

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/ Centre/Institution	From	To
Associate Dean (Electrical)	National Institute of Technology, Trichy	22-01-2018	22-01-2020
Library Advisory Committee Member	National Institute of Technology, Trichy	2018-01-08	08-01-2019
TEQIP NODAL OFFICER	National Institute of Technology, Trichy	11-11-2017	11-01-2019
Member (Faculty In-Charge)	National Institute of Technology, Trichy	2017-05-31	28-10-2017
TEQIP NODAL OFFICER	National Institute of Technology, Trichy	2017-09-15	11-11-2017
Student Counselling, Mess Quality Checking, Room Allotment and Room Maintenance of Amber Hostel.	National Institute of Technology, Trichy	2013-07-19	15-09-2015
Associate Warden	National Institute of Technology, Trichy	2006-04-10	17-08-2007
Progressive Review Judge (SANGAM 2020)	National Institute of Technology, Trichy	2020-01-09	08-03-2020
HEFA Committee Member	National Institute of Technology, Trichy	2019-05-09	08-05-2020
Institute Day Committee Member (Institute Day 2019)	National Institute of Technology, Trichy	2019-03-02	25-05-2019
NBA Campus Facilities Committee (NBA 2019)	National Institute of Technology, Trichy	2019-01-10	30-05-2019
PRAGYAN Infrastructure Committee (PRAGYAN 2019)	National Institute of Technology, Trichy	2019-02-27	25-05-2019
SIH Infrastructure Committee (Hackathon 2019)	National Institute of Technology, Trichy	2019-06-27	25-12-2019
Convocation Infrastructure Committee (15th convocation 2019)	National Institute of Technology, Trichy	2019-06-12	20-10-2019
Convocation Infrastructure Committee (14th convocation 2018)	National Institute of Technology, Trichy	2018-06-12	12-10-2018
Institute Day Committee Member (Institute Day 2018)	National Institute of Technology, Trichy	2018-02-16	15-04-2018

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

SIH Infrastructure Committee (Hackathon 2018)	National Institute of Technology, Trichy	2018-03-27	25-7-2018
Convocation Committee Member (13th convocation 2017)	National Institute of Technology, Trichy	2017-07-19	12-08-2017
Stock Verification officer (Faculty In Charge)	National Institute of Technology, Trichy	2013-01-27	31-12-2013
Convocation Committee Member (9th Convocation 2013)	National Institute of Technology, Trichy	2013-07-22	03-08-2013
Institute Day Committee Member (Institute Day 2013)	National Institute of Technology, Trichy	2013-04-04	07-04-2013
Committee Member (Anti Ragging 2017)	National Institute of Technology, Trichy	2017-07-31	31-12-2017
Press and Media committee member	National Institute of Technology, Trichy	2014-06-10	19-07-2014
M.Tech DPEC Member (power system)	National Institute of Technology, Trichy	2010-01-12	30-06-2010
Chairman Class Committee (8 th Semester B.Tech)	National Institute of Technology, Trichy	2010-01-12	30-06-2010
Class Committee Chair person (3 rd semester B.Tech)	National Institute of Technology, Trichy	2011-07-14	24-12-2011
Class Committee Chair person (1 st semester M.Tech power electronics)	National Institute of Technology, Trichy	2012-05-04	24-12-2012
Class Committee Chair person (2 nd semester M.Tech power systems)	National Institute of Technology, Trichy	2013-01-17	30-06-2013
Class Committee Chair person (2 nd semester M.Tech power systems)	National Institute of Technology, Trichy	2012-01-13	30-06-2012
Class Committee Chair person (2 nd semester M.Tech power systems)	National Institute of Technology, Trichy	2012-01-13	30-06-2012
Class Committee Chair person (6th semester B.Tech)	National Institute of Technology, Trichy	2016-01-20	30-06-2016
DPEC Member (M.Tech power electronics)	National Institute of Technology, Trichy	2016-07-16	30-06-2017
Class Committee Chairperson Chairman (8th Semester B.Tech)	National Institute of Technology, Trichy	:2010-01-12	30-06-2010

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

DPEC Committee Member (8 th Semester B.Tech.Project work Review)	National Institute of Technology, Trichy	2017-07-14	25-05-2018
Coordinator and BoS In-charge	National Institute of Technology, Trichy	2017-08-02	25-05-2018
Lab In-Charge (Power Electronics Lab)	National Institute of Technology, Trichy	2017-07-14	25-05-2018
Lab In-Charge (Electrical machines lab)	National Institute of Technology, Trichy	2017-07-14	25-05-2018
Chairperson (1 st and 2 nd Year M.Tech. power electronics July Session)	National Institute of Technology, Trichy	2018-07-16	28-12-2018
Lab In-Charge (Electronics Lab)	National Institute of Technology, Trichy	2018-07-13	24-05-2019
Lab In-Charge (Electrical machine lab)	National Institute of Technology, Trichy	2018-07-13	24-05-2019
Department Project Evaluation Committee Member (Project work Viva-Voce for 4 th Year B.Tech. January Session (Section A&B))	National Institute of Technology, Trichy	:2020-01-10	30-05-2020
DPEC Member (for 2 nd Year M.Tech (Power Electronics). July and January Session)	National Institute of Technology, Trichy	2019-07-16	30-06-2020
Lab In-Charge (Power Electronics Lab)	National Institute of Technology, Trichy	2019-01-14	29-05-2020
Faculty In-Charge (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2020-07-16	24-05-2021
Faculty In-Charge (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2021-07-16	Till Date
DPEC Member (M.Tech power electronics)	National Institute of Technology, Trichy	:2016-07-15	30-06-2017
Chairperson (1st semester M.Tech power electronics)	National Institute of Technology, Trichy	2007-01-30	29-06-2007
Lab In-Charge (Electrical machine lab)	National Institute of Technology, Trichy	2017-01-30	2017-01-30 To: 25-12-2017
Coordinator and BoS In-charge	National Institute of Technology, Trichy	:2017-01-13	25-12-2017

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

Member (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2016-01-13	23-12-2016
Lab In-Charge (Electrical machine lab)	National Institute of Technology, Trichy	2016-01-13	23-12-2016
Member (UG Lab Modernization)	National Institute of Technology, Trichy	2014-01-13	24-12-2014
Lab In-Charge (Electrical machine lab)	National Institute of Technology, Trichy	:2014-01-13	24-12-2014
Lab In-Charge (Electrical machine lab)	National Institute of Technology, Trichy	2012-05-04	28-06-2013
Admission Coordinator (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	:2012-01-13	24-12-2012
Admission Coordinator (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2011-07-14	29-06-2012
Admission Coordinator (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2010-07-14	30-06-2011
Lab In-Charge (Microprocessor and DSP lab)	National Institute of Technology, Trichy	2009-07-15	30-06-2010
Faculty In-Charge (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2008-07-18	24-12-2008
Faculty In-Charge (M.Tech, M.S and Ph.D Admission)	National Institute of Technology, Trichy	2007-07-16	24-12-2007

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
External Examiner	Jawaharlal Nehru Technological University, Hyderabad, India	06-9-2021	18-9-2021
External Examiner	Jawaharlal Nehru Technological University, Anantapur, India	23-02-2021	23-02-2021
Indian Examiner & Member	Annamalai University, Annamalai Nagar Tamilnadu	20-09-2021	20-09-2021
Member of Examination Board	Director Of Anna University.	2021	
Member of	Director Of Anna University.	2021	

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

Examination Board			
Resource Person	Convener, Dept. EEE, Dr.N.G.P Institute of Technology.	2020	
External Examiner	Noorul Islam University,Thuckalay,India	2020	
External Examiner	Jawaharlal Nehru Technological University, Anantapur, India	2020	
External Examiner	Kamaraj College of Engineering & Technology Virudhunagar, India	2019	
Phd Thesis Evaluation	SRM University, Chennai,India	2019	
Chief Invigilator and instructor	Tamilnadu Public Service Commission	2018	
Member of Examination Board	Director Of Anna University.	2017	
Assessment Committee	District Collector of Thanjavur.	2017	
Resource Person	Convener, Dept. EEE, Sri Subramanya College Of Engineering And Technology.	2017	
Evaluation of Thesis	Director of ANNA University.	2017	
Doctoral Committee Member	Dr.M. Helen Santhi, Dean Academic Research, VIT University	2017	
Doctoral Committee Member	Dr. G. Buvaneswari, Dean Academic Research, VIT University	2017	
Doctoral Committee Member for student Mr.Prabhu A	Convener Dr.S.Ramesh, H.O.D of Dept EEE, P.S.R Engineering College.Anna University	2017	
Doctoral Committee Member for student Mr.Balasubramanian	Convener Dr.S.Ramesh, H.O.D of Dept EEE, P.S.R Engineering College. Anna University	2017	
Special Lecture	The Institute of Engineers (India), Tiruchirapalli	2017	
Doctoral Committee Member for student Mr. Aneesh Rajeev	Dr. A. Nayeemulla Khan, Dean Academic Research, VIT University	2016	
Doctoral Committee Member for student Mr. A. h. Nandhu Kishore	Dr.VE. Jayanthi, Professor, Dept EEE, PSNA College of Engineering and Technology, ANNA University	2016	
Doctoral Committee Member for student Mr. Haneesh Babu K T	Dr. A. Nayeemulla Khan, Dean Academic Research, VIT University	2016	
Doctoral Committee Member for student Mr. Sundar S	Dr. Jayavel, Director, ANNA University	2016	
Doctoral Committee Member for student Mr. Shankar N	Dr. Jayavel, Director, ANNA University	2016	

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

Resource Person	Dr.A.Immanuel Slevakumar, H.O.D of Dept EEE, Karunya University	2016	
Doctoral Committee Member	Director, Noorul Islam University	2016	
Doctoral Committee Member for student Mr/Ms. S.Annadurai	Dr.S.Nageswari, Convener, A.C College of Engineering and Technology, ANNA University	2015	
Examiner	College Academic Administrative Officer, Howard College Campus	2015	
Doctoral Committee Member for student Ms. Umamaheswari.S	Dr.R.Karthigaivel, PSNA College of Engineering and Technology	2015	
Resource Member	Dr.A. Immanuel Slevakumar, H.O.D of Dept EEE, Karunya University	2015	
Doctoral Committee Member for student Ms. R. Divya	Dr.Usha Natesan, Director, ANNA University	2014	
Special Lecture	CARE Group of Institutes	2014	
Resource Person	Dr.K.R. Viswanathan, Principal, P.S.R. Engg.College	2013	
Special lecture	Alagappa Chettiar College of Engineering and Technology.	2016	
Academic Expert	Dr. V. Naga Bhaskar Reddy, Professor & HOD, RGM College of Engg,Nandyal,Kurnool,A.P	2015	
Resource Person	Alagappa Chettiar College of Engineering and Technology.	2014	
Question paper Auditor	Dr.V.Saravanan, Thiagarajar College of Engineering.	2014	
Committee Member	MUTHAYAMMAL ENGINEERING COLLEGEI, Tamilnadu	2016	
Special Lecture	Annamalai University	2015	
Special Lecture	MAM College of Engineering	2009	
Guest lecture	Sethu institute of technology	2007	

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

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

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

Year	Semester	UG/PG & Branch	Subject
2022	Even	UG EEE	EEPC15-AC MACHINES
2021	Odd	UG EEE	EEPC19-POWER ELECTRONICS
2021	Even	UG EEE	EEPC15-AC MACHINES
2020	Odd	UG EEE	EEPC12 DC MACHINES AND TRANSFORMERS
2020	Even	PG EEE	EE652-SWITCHED MODE POWER CONVERSION
2020	Even	UG EEE	EEPC18-AC MACHINES
2019	Odd	PHD EEE	EE692-DIGITAL SIMULATION OF POWER ELECTRONIC SYSTEMS
2019	Odd	UG EEE	EEPC12 DC MACHINES AND TRANSFORMERS
2019	Even	PG EEE	EE652-SWITCHED MODE POWER CONVERSION
2019	Even	UG EEE	EEPC18-AC MACHINES
2018	Odd	PG EEE	EE603-POWER CONVERSION TECHNIQUES
2018	Odd	PHD EEE	EE603-POWER CONVERSION TECHNIQUES
2018	Odd	PG CTM	EE611-POWER CONVERSION TECHNIQUES(PC)
2018	Even	UG EEE	EEPC18-AC MACHINES
2018	Even	UG EEE	EEPC21-POWER ELECTRONICS
2018	Even	PHD EEE	EE826-SOLAR PV SYSTEMS
2017	Even	Ph.D	EE652-SWITCHED MODE POWER

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

		EEE	CONVERSION
2017	Even	PHD EEE	EE641-DIGITAL SIMULATION OF POWER ELECTRONIC SYSTEMS
2017	Even	UG EEE	EE202-AC MACHINES
2016	Even	PHD EEE	EE652-SWITCHED MODE POWER CONVERSION
2016	Even	UG EEE	EE302-POWER ELECTRONICS
2016	Even	Ph.D EEE	EE804-SIMULATION OF POWER CONVERTER USING MATLAB/SIMULINK
2016	Odd	UG EEE	EE201-DC MACHINE AND TRANSFORMER
2015	Even	PG POWER ELECTRONICS	EE676-PWM CONVERTERS AND ITS APPLICATIONS
2015	Even	UG EEE	EE302-POWER ELECTRONICS
2015	Odd	UG EEE	EE201-DC MACHINE AND TRANSFORMER
2015	Odd	Ph.D EEE	EE643-EMBEDDED SYSTEM DESIGN
2014	Even	UG EEE	EE302-POWER ELECTRONICS
2014	Even	Ph.D EEE	EE803-WIND ENERGY ELECTRIC CONVERSION SYSTEMS
2014	Even	PG POWER ELECTRONICS	EE652-SWITCHED MODE POWER CONVERSION
2014	Odd	UG EEE	EE201-DC MACHINE AND TRANSFORMER
2014	Odd	Ph.D EEE	EE803-WIND ENERGY ELECTRIC CONVERSION SYSTEMS
2013	Even	UG EEE	EE202-AC MACHINES
2013	Even	PG MS	EE652-SWITCHED MODE POWER CONVERSION
2013	Odd	UG EEE	EE201-DC MACHINE AND TRANSFORMER
2012	Even	PG EEE	EE652-SWITCHED MODE POWER CONVERSION
2012	Even	UG EEE	EE202-AC MACHINES
2012	Odd	UG	EE201-DC MACHINE AND TRANSFORMER

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

		EEE	
2011	Odd	UG EEE	EE401-INDUSTRIAL ELECTRONICS
2010	Even	UG EEE	EE202-AC AND SPECIAL MACHINES
2010	Even	PG EEE	EE652-SWITCHED MODE POWER CONVERSION
2009	Odd	PG POWER SYSTEM	EEE-624 FUZZY SYSTEM
2009	Odd	PG POWER ELECTRONICS	EEE-624 FUZZY SYSTEM
2009	Odd	UG EEE	EE453-FUZZY SYSTEMS AND GENETIC ALGORITHMS

(iii) Projects guided at Postgraduate level

Title	Student Name	Year
Development of Energy saving Techniques for Multiple Induction Motor Drives	Pusparanjan Behera	August 2021
Development of Partial Power Processing for Battery Charging Applications	Gudhipela Veeranallaiah	May 2021
Vector Generation for Post SI Validation of SoC	Lakshmi Prathyusha Pydi	May 2021
Design and Development of Energy Efficient DC power Supply Employing SiC Devices For Data center Applications	Lakshmi Prathyusha Pydi	Dec 2020
Development of Partial Power Processing for Battery Charging Applications	Gudhipela Veeranallaiah	Dec 2021
Experimental Investigation on Solar PV soft Switching DC-DC Converter System for Battery charging Applications	Naman Agrawal	June 2020
Prototype Development of testbed for electronic welding machine	A Sai sivani	June 2020
Investigation on Solar PV soft Switching DC-DC Converter System for Battery charging Applications	Naman Agrawal	Dec 2019
Development of testbed for electronic welding machine	A Sai sivani	Dec 2019
Development of Multiport DC-DC Converters for Standalone Solar Photovoltaic Applications	Dibyaraj Krishna Behera	June 2019
Integrated Battery Management System Employing Multiport DC/DC Converter for Standalone Solar Photovoltaic System(experimental)	Sanchari Banerjee	May 2019
Maximum Power from PV Array using fixed Configuration under Different Shading Conditions(experimental)	Rupesh Kumar	May 2019
Enhancing Energy Efficiency of Multiple Induction Motor Drive for Belt Conveyor System(experimental)	Pallapu Venkata Ramana	May 2019

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

A Fault Detection Algorithm to identify Various Faults in Photovoltaic System (Simulation)	Sanchari Banerjee	Dec2018
Maximum Power from PV Array using fixed Configuration under Different Shading Conditions (Simulation)	Rupesh Kumar	Dec2018
Enhancing Energy Efficiency of Multiple Induction Motor Drive for Belt Conveyor System (Simulation)	Pallapu Venkata Ramana	Dec2018
Development of Distributed MPPT in Solar PV Systems	Yellamilli Nitish	May 2018
Study of Distributed MPPT in Solar PV Systems	Yellamilli Nitish	Dec 2017
Development of Control Scheme for Boost Derived Hybrid Converter for Solar PV Applications. (experimental)	Laveti Arjun	2017
Development of Control Strategy for Single Stage Grid-Connected Solar PV System. (experimental)	Pilli Madhu Kiran	2017
Development of Control Scheme for Boost Derived Hybrid Converter for Solar PV Applications. (simulation)	Laveti Arjun	2016
Development of Control Strategy for Single Stage Grid-Connected Solar PV System. (simulation)	Pilli Madhu Kiran	2016
Control of Single Inductor Based Dual Output/Input Boost DC-DC Converter for Solar PV Applications. (experimental)	Dipankar Biswas	2016
Operation and Closed Loop Control of Single-Phase Micro Grid System Using Phase Locked loop. (experimental)	Raj Prakash Korapati	2016
Investigation of Switching Transients in Vacuum Circuit Breaker for Synchronous Condenser.	Arghya Jana	2016
Control of Single Inductor Based Dual Output/Input Boost DC-DC Converter for Solar PV Applications. (simulation)	Dipankar Biswas	2015
Operation and Closed Loop Control of Single-Phase Micro Grid System Using Phase Locked loop. (simulation)	Raj Prakash Korapati	2015
Solar PV and Battery Storage Integration Using a Three-Level NPC Grid-Connected Inverter.	Arghya Jana	2015
Performance Enhancement of Grid Synchronization in Single Phase Power Converter. (experimental)	Ramachandrarao Pydi	2015
Investigation of Various PWM Techniques for Three-Phase Three-Level Inverter. (experimental)	Peruka Vamshi	2015
Control of Three Phase Self-Excited Induction Generator – Matrix Converter System Feeding Stand Alone A.C Loads. (experimental)	Devedera Varma Borru	2015
Control of Self-Excited Induction Generator Converter System Feeding Constant DC Voltage Applications. (experimental)	K. Ravi Ratna Roja	2015
Performance Enhancement of Grid Synchronization in Single Phase Power Converter. (simulation)	Ramachandrarao Pydi	2014
Investigation of Various PWM Techniques for Three-Phase Three-Level Inverter. (simulation)	Peruka Vamshi	2014
Control of Three Phase Self-Excited Induction Generator – Matrix Converter System Feeding Stand Alone A.C Loads. (simulation)	Devedera Varma Borru	2014
Control of Self-Excited Induction Generator Converter System Feeding Constant DC Voltage Applications. (simulation)	K. Ravi Ratna Roja	2014
A Wind Driven Self-Excited Induction Generator Supplying	Kenguru Manjunath	2014

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

Isolated AC loads. (experimental)		
Self-Excitation and Control of a Standalone Wind Power Generation system. (experimental)	Malle Lingamaiah	2014
Control of Variable Speed Induction Generators Supplying DC loads. (experimental)	Ponukumati Praveenkumar	2014
A Wind Driven Self-Excited Induction Generator Supplying Isolated AC loads. (simulation)	Kenguru Manjunath	2013
Self-Excitation and Control of a Standalone Wind Power Generation system. (simulation)	Malle Lingamaiah	2013
Control of Variable Speed Induction Generators Supplying DC loads. (simulation)	Ponukumati Praveenkumar	2013
Operation and Control of Three-Phase Self-Excited Induction Generator Connected to the Three-Phase grid. (experimental)	S.Sunil Nayak	2013
DSP Based Voltage and Frequency Control of Self-Excited Induction generators. (experimental)	V. Praveesh	2013
Experimental Investigation and Control of Wind-Driven SEIGs Feeding Stand Alone DC loads. (experimental)	Prasad Chengi	2013
Operation and Control of Three-Phase Self-Excited Induction Generator Connected to the Single-Phase grid. (simulation)	S.Sunil Nayak	2012
Voltage and Frequency Control of SEIGs. (simulation)	V. Praveesh	2012
Control of Wind-Driven SEIGs Feeding Stand Alone DC Loads. (simulation)	Prasad Chengi	2012
High-Efficiency Voltage-Clamped DC-DC Converter with Reduced Reverse- Recovery Current and Switch-Voltage Stress	Ravikiran Vasireddy	2012
Control of Three-Phase SEIGs Supplying DC Loads Through Single-Phase AC Boost Rectifier.	Pusarla Naveen	2012
Abc-Dq Modelling and Control of Wind Driven Self Excited Induction Generator Feeding Stand Alone Ac and Dc Loads. (experimental)	Enaganti Raj Kumar	2012
Dq-Modelling and Control of Self-Excited Induction Generator-Converter Systems for Battery Charging Application.	Mahendhar Rageeru	2012
An Excitation Scheme for a Stand-Alone Three-Phase Induction Generator Supplying Single Phase Loads	Ravikiran Vasireddy	2011
Single Phasing Operation of SEIGs	Pusarla Naveen	2011
Abc-Dq Modelling and Control of Wind Driven Self Excited Induction Generator Feeding Stand Alone Ac and Dc Loads. (simulation)	Enaganti Raj Kumar	2011
Hysteresis Controller for SEIG-PWM Converter Systems for Battery Charging Applications.	Mahendhar Rageeru	2011
DSP Based Control of Matrix Converter for the Operation of Wind- Driven PMSG. (experimental)	S. Ranjith Kumar	2011
Unity Power Factor Isolated Three Phase Rectifier with Split DC Bus Based on the Scott Transformer. (experimental)	J. Tukaram	2011
Investigation of Various Modulation and Switching Techniques for Single- Phase Matrix converter. (experimental)	Sravan Kumar Velisela	2011
Control Strategies for Three Phase Matrix Converter for the Operation of Wind- Driven PMSG. (simulation)	S. Ranjith Kumar	2010
Unity Power Factor Isolated Three Phase Rectifier with Split DC Bus Based on the Scott Transformer. (simulation)	J. Tukaram	2010

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

Investigation of Various Modulation and Switching Techniques for Single- Phase Matrix converter. (simulation)	Sravan Kumar Velisela	2010
Continuous Conduction Mode Operation of Three- Phase Single-Switch Boost Rectifier with Constant Load Voltage.	Kartikeyan. T	2010
Mixed Mode Operation of Boost Rectifier for Wide Range of Load variations. (experimental)	G. Veeresh Kumar	2010
Control of Boost Power Converter	Nagaraju Ghantasala	2010
A Systematic Approach for the Control of Boost Power Factor Correction Converter.	P. Guru Nagendra	2010
Over Modulation Scheme for Induction Motor Drive.	Kartikeyan. T	2009
Mixed Mode Operation of Boost Rectifier for Wide Range of Load variations. (simulation)	G. Veeresh Kumar	2009
Model Predictive Control of Multi Variable Four Tank System.	Nagaraju Ghantasala	2009
Investigation of PWM Current Control Schemes for Single Phase Power Factor Correction Boost Converter.	P. Guru Nagendra	2009
Design and Development of Solar Powered Boost Inverter.	Elizwa Laiju	2009
Modelling, Analysis, design and Implementation of Wound Rotor Induction Motor Drive.	S R Prasad Tummalapalli	2009
Automatic Classification of Power Quality Issues.	Elizwa Laiju	2008
Modelling, Analysis and Design of High Chopper Frequency Drive for Wound Rotor Induction Motor with a Resistively Loaded Rotor Chopper	S R Prasad Tummalapalli	2008
Analysis and Design of Single Switch Forward Buck AC-DC Converter for Low Power Battery Charging Applications.	M.Raghupathi Reddy	2008
Design and Implementation of a Reduced Order Observer for Inductor Current Estimation in Buck Type Rectifier. (experimental)	P. Nagaraju	2008
Design and Development of Energy Efficient Sensor less Direct Torque Controlled Induction Motor Drive. (experimental)	M. Sathish Kumar	2008
Analysis, Design and Development of Neural Network Controller for UPS Inverter Applications.	M.Raghupathi Reddy	2007
Design of a Reduced Order Observer for Inductor Current Estimation in Buck Type Rectifier. (simulation)	P. Nagaraju	2007
Performance Enhancement of Neuro- Fuzzy Based Sensor less Direct Torque Control of an Induction Motor Drive. (simulation)	M. Sathish Kumar	2007
Reduction of Ripples and Flux Droops in Sensor less Direct Torque Control of an Induction Motor Drive.	S.Sampath Kumar	2007
Rotor Resistance Estimation Technique for Indirect Vector Controlled Induction Motor Drive.	G.R.K. Nagaraju	2007
Performance Enhancement of Sensor less Direct Torque Control of an Induction Motor Drive.	S.Sampath Kumar	2006
Sensor less Field- Oriented Control for Double- Inverter- Fed Wound- Rotor Induction Motor Drive.	G.R.K. Nagaraju	2006

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration	Status
------------------	----------------	----------	--------

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

		From	To	Ongoing/ Completed
Design and development of solar photovoltaic powered cold storage system	DST funding project	2017	2019	completed
Dynamic Loading of Conveyor Drive Heads in Mine	NLC-Neyveli	2015	2017	completed
Development of Renewable Energy Laboratory	MHRD, NIT-Trichy	2013	2015	completed
National Mission on Power Electronics Technology	Ministry of Communications & Information Technology, C-DAC Trivandrum	2008	2009	completed
Design and Development of WBG Device Based High Current Converters for Industry Applications	Meity	2021	2023	In Progress
LC Bandpass Filter for Space Technology	ISRO Bangalore	2021	2022	In Progress
Design of Controller for Buck Converter	ISRO Bangalore	2021	2023	In Progress
Sustainable Energy System for Achieving Novel Carbon Neutral Energy Communities (SUSTENANCE)	DST	2021	2023	In Progress
Design and Development of SiC- Based Solid State Circuit Breaker for DC Microgrid Protection	DST-SERB	2021	2024	In Progress

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award
S.Sarojini Mary	Investigations on Static Reconfiguration	supervisor	2017

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

		Techniques of Modules and Power Electronic Controllers for Solar Photovoltaic Systems.		
Sumedha. Mahajan	M.	Control Strategies for Stand-Alone Operation of Induction Generator System With Certain Power Electronic Converter Topologies.	supervisor	2018
Anand I		Design and Development of Power Converters and its Controllers for isolated Solar Photo-Voltaic Generators	supervisor	2020
G Madhusudanan		Investigations on Reconfiguration of modules and Power Electronic Controllers for Solar Electric Power Generation Systems	supervisor	2020
Mahaboob Subahani A		Operation And Control of Self-excited Induction Generator and associated Power Electronic Controllers for DC supply system	Co-supervisor	2021
Bhoreddy Malakondareddy		Analysis, Design and Testing of Control Schemes for Grid-Tied Photo-Voltaic Systems for performance Enhancement	supervisor	2021
N Babu		Design and development of solar electric Power generation systems for industrial Applications	supervisor	2022
Namani Rakesh		Investigation on Reconfiguration Techniques and fault detection Algorithms for photovoltaic systems Using power electronic controllers	supervisor	2022

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
From 01-07- 2018 To 03 – 05- 2019	National Power system Conference		Hospitality Chair	NIT-Trichy	NIT-Trichy
From 01 – 07- 2019 To 06 – 03- 2020	National Power Electronics Conference		Hospitality Chair	NIT-Trichy	NIT-Trichy
From 01 – 07 - 2017 To 29 – 12- 2017	Thirty Third National Convention of Engineers 2017		Technical Committee Member	NIT-Trichy	NIT-Trichy

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

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

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Solar Photovoltaic System Design and MPPT Implementation		From 15 – 05 - 2019 To 19 – 05- 2019	Coordinator	NIT-Trichy
Emerging Power Conversion Techniques and Challenges for Renewable Energy and Electric Vehicle Applications		From 24 – 06- 2019 To 28 – 06- 2019	Coordinator	NIT-Trichy
Solar Photovoltaic System Design and MPPT Implementation		From 25th to 27th January 2020 & 1st to 2nd February 2020.	Coordinator	NIT-Trichy
Research Opportunities, Challenges in Power Electronics for EV and Its Impact on Smart Grid		From 14 – 12 - 2020 To 20 – 12- 2020	Coordinator	NIT-Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme

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

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
N. Rakesh, S.Subramaniam, N. Babu and U. Malavya	A non-puzzle-based interconnection scheme for energy savings and income generation from partially shaded PV modules	Energy Sources Part A: Recovery, Utilization, and Environmental Effects - Taylor & Francis		1-20	2022	
M. S. Akbarali, S.K. Subramaniam, and K. Natarajan	Modeling, analysis, and control of wind-driven induction generators supplying dc loads under various operating conditions	Wind Engineering	vol. 45	pp. 680–695	2021	
N. Rakesh, S. Subramaniam, S. Sarojini Mary and M. Gurusamy	A simple control strategy and dynamic energy management for the operation of combined grid-connected and stand-alone solar photovoltaic applications	Journal of King Saud University-Engineering Sciences, Elsevier		1-9	2021	
M. Bhoreddy, S. K. Subramaniam, A. G. N. Gounder, and A. Isaac	An effective power tracking algorithm for partially shaded solar pv array employing micro converters feeding	Periodica Polytechnica Electrical Engineering and Computer Science	vol. 65	pp. 29–41	2021	

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

	to dc microgrid					
S. Chandrasekharan, S. K. Subramaniam, and B. Natarajan	Current indicator-based fault detection algorithm for identification of faulty string in solar pv system	IET Renewable Power Generation	vol. 15	pp. 1596–1611	2021	
B. Natarajan, N. Rakesh, S. Subramaniam, M. Udugula, and S. Padmanaban	Gmppt algorithm based maximum power tracking under dynamic weather conditions employing krill-herd technique	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects		pp. 1–17	2021	
P. Rosayyan, S. Subramaniam, and S. I. Ganesan	Decentralized emergency service vehicle pre-emption system using rf communication and gnss-based ge-fencing,”	IEEE Transactions on Intelligent Transportation Systems			2020	
N. Rakesh, S. Banerjee, S. Subramaniam, and N. Babu	A simplified method for fault detection and identification of mismatch modules and strings in a grid-tied solar photovoltaic system	International Journal of Emerging Electric Power Systems	vol. 21		2020	
B. Natarajan, P. Murugesan, M. Udugula, M. Gurusamy, and S. Subramaniam	A fixed interconnection technique of photovoltaic modules using a sensorless approach for maximum power enhancement in solar plants	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects		pp. 1–23	2020	
Vandavasi Harikrishna, Ramachandran Gunabalan, Subramaniam Senthil Kumar	Pulse width modulation converter for light-emitting diode tube light applications	International Transactions on Electrical Energy Systems			2020	
M. Bhoreddy, S. Subramaniam, A. G. Nanjappagounder, A. Isaac, and B. Natarajan	Dynamic performance enhancement of grid tied pv system under abnormal grid conditions employing an effective peak	International Transactions on Electrical Energy Systems			2020	

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

	current-limiting control strategy					
M. S. Akbarali, S. Subramaniam, and K. Natarajan	Application of cs-pwm rectifier for the operation and control of wind-driven generators	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects		pp. 1–17	2020	
B. Malakondareddy, S. S. Kumar, N. A. Gounden, and I. Anand	An adaptive pi control scheme to balance the neutral-point voltage in a solar pv fed grid connected neutral point clamped inverter	International Journal of Electrical Power & Energy Systems	vol. 110	pp. 318–331	2019	
G. Madhusudanan, N. Rakesh, S. Senthil Kumar, and S. Sarojini Mary	Solar photovoltaic array reconfiguration using magic su-doku algorithm for maximum power production under partial shading conditions	International Journal of Ambient Energy		pp. 1–12	2019	
I. Anand, D. Agarwal, S. Senthilkumar, and B. Malakondareddy	A dynamic load controller for a standalone solar pv system employing a dual input/output biphasic dc–dc converter	Journal of Control, Automation and Electrical Systems	vol. 30	pp. 812–821	2019	
N. Rakesh, S. S. Kumar, and G. Madhusudanan	Mitigation of power mismatch losses and wiring line losses of partially shaded solar pv array using improvised magic technique	IET Renewable Power Generation	vol. 13	pp. 1522–1532	2019	
I. Anand, S. Senthilkumar, D. Biswas, and M. Kalamoorthy	Dynamic power management system employing a single-stage power converter for standalone solar pv applications	IEEE Transactions on Power Electronics	vol. 33	pp. 10352–10362	2018	
G. Madhusudanan, S. Senthilkumar,	A shade dispersion scheme using latin square arrangement	Journal of Renewable and	vol. 10	p. 053506	2018.	

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

I. Anand, and P. Sanjeevikumar	to enhance power production in solar photovoltaic array under partial shading conditions	Sustainable Energy				
M. S. Akbarali, S. K. Subramaniam, and K. Natarajan	Real and reactive power control of seig systems for supplying isolated dc loads	Journal of The Institution of Engineers (India): Series B	vol. 99	pp. 587–595	2018	
Sumedha Mahajan, Senthil Kumar Subramaniam, Kumaresan Natarajan, Ammasai Gounden Nanjappa Gounder, Devendra Varma Borru	Analysis and control of induction generator supplying stand-alone AC loads employing a Matrix Converter	Engineering Science and Technology, an International Journal	Vol.20	pp.649-661	2017	
K. Arthishri, K. Anusha, N. Kumaresan and S. Senthil Kumar	Simplified methods for the analysis of self-excited induction generators	IET Electr. Power Appl	Vol.11	pp.1636-1644	2017	
Krishnan A, Anusha K, Kumaresan N, Subramaniam SK	Simplified methods for the analysis of self-excited induction generators	IET Electric Power Applications			2017	
S. M. Mahajan, S. Senthil Kumar, N. Kumaresan, N. G. Ammasai Gounden and E. Rajkumar	Decoupled control strategy for the operation of capacitor-excited induction generator for DC power applications	IET Power Electronics	vol. 9	pp. 2551-2561	2016	
Sarojini Mary Samikannu, Rakesh Namani , and Senthil Kumar Subramaniam	Power enhancement of partially shaded PV arrays through shade dispersion using magic square configuration	J. Renewable Sustainable Energy	Vol.8		2016	
Samikannu Sarojini Mary, Subramaniam Senthil Kumar, Syam Prasad Poluru & Maddikara Jaya Bharata Reddy	A Dual DC Output Power Supply for a Stand-alone Photovoltaic System”, Electric Power Components and Systems	Taylor and Francis		939-950	2015	

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

Subramaniam Senthil Kumar, Natarajan Kumaresan, Muthiah Subbiah	Analysis and control of capacitor-excited induction generators connected to a micro-grid through power electronic converters	IET- Generation, Transmission and Distribution	Vol.9	pg.911–920	2015	
S. Senthil Kumar, N. Kumaresan, M. Subbiah and Mahendhar rageeru	Modelling, analysis and control of standalone self-excited induction generator-PWM rectifier systems feeding constant dc voltage applications	IET- Generation, Transmission and Distribution	Vol.8	pg. 1140–1155	2014	
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, Springer	Vol.6	pp. 403–412	2012	
S.Senthil Kumar, N.Kumaresan, N. Rakesh, K.Vijayakumar and M. Subbiah	Wind-driven SEIGs for supplying isolated loads employing DSP based power electronic controllers	International journal of Wind Engineering	Vol.36	pp. 739–758	2012	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Venkata Nagarjun P M, Hirshik Ram S, Pratik Uthan, V.Veeramani, Senthil Kumar, S.	Estimating the Internal Resistance of Li-Ion Battery to accurately predict the Open Circuit Voltage	IEEE Industrial Electronics and Applications Conference			Malaysia	2021
C. Sowthily., S. Senthil Kumar., M. Brindha	Detection and Classification of Faults in Photovoltaic System Using Random Forest Algorithm	FICTA Conference			NIT surath kal	2020

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

Pusparanjan Behara, N.Babu and Senthil Kumar, S	A New Energy Saving Technique for Multiple-Induction Motor Based Drive Heads at mines Under Light Load Conditions	International Conference on Advances in Automation, Signal Processing, Instrumentation, and Control			VIT, Vellore	2020
Pusparanjan Behara, N.Babu and Senthil Kumar, S	A Simple technique for predicting the parameters of Three –Phase Induction Motor from Manufacturer Data Sheet	6th International Conference on Electrical Energy Systems			SSN Engg College, Chennai	2020
D. Agarwal, D. Dash, S. S. Dalai, I. Anand, and S. Subramaniam	A power flow controller for a standalone solar pv system employing a three port luo converter	20th National Power Systems Conference (NPSC)	pp. 1–5			2019
D. Agarwal, I. Anand, and S. Senthilkumar	A power management scheme for a standalone solar pv system utilizing super lift luo converter	IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)				2019
D. K. Behera, I. Anand, B. M. Reddy, and S. Senthilkumar	A novel control scheme for a standalone solar pv system employing a multiport dc-dc converter	9th International Conference on computing, Communication and Networking Technologies, Drives and Energy Systems (ICCCNT),	pp. 1–6			2018
D. K. Behera, I. Anand, B. M. Reddy, and S. Senthilkumar	A robust power control scheme for a dual-input single-output converter with a standalone solar pv system	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	pp. 1–6			2018

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

Namani Rakesh, N. Kumaresan, S. Senthil Kumar and M. Subbiah	Major methods of steady-state analysis of three-phase SEIGs-A summary	Proceedings of the 3rd IEEE International Conference on Sustainable Energy Technologies (IEEE ICSET 2012),	pp. 415-419		Kathmandu, Nepal	2012
Namani Rakesh, N. Kumaresan, S. Senthil Kumar and M. Subbiah	Performance predetermination of variable speed wind-driven grid-connected SEIGs	Proceedings of the IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012)			Bengaluru	2012
S. Senthil Kumar, N. Kumaresan, and T. Karthikeyan	A Simple Analog Voltage Controller for Three-Phase Single Switch Boost Rectifier	Proceedings of 10th International Conference on Environment and Electrical Engineering	8-11		Rome, Italy	2011
Kumar, S.S.; Dharmireddy, G. ; Raja, P. ; Moorthi, S.	A voltage controller in photovoltaic system without battery storage for Stand-Alone Applications	International Conference on Electrical, Control and Computer Engineering (INECCE)	269 – 274.			2011
Tukaram, J.; Kumar, S.S.; Ganesh, D.; Kumar, V.S.	"Investigation of PWM current mode controllers for UPF three phase - Rectifier with split DC bus based on the Scott transformer	Advances in Power Conversion and Energy Technologies (APCET)	pp.1,6, 2-4			2012
M.Kaliyamoorthi, S.Senthil Kumar	Solar Powered Boost Inverter with Neural Network Based MPPT algorithm	International Conference on Energy Conversion Technologies, ICAECT				2010

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

Babu, N., Vignesh, V.S., Dibyaraj, K.B., Senthil Kumar, S., Sendil Kumar. C	Energy Saving Scheme in Multiple Induction Motor Drive for Conveyor Applications	33rd National Convention of Electrical Engineers				2017
Y.Nitesh, B. Malakondareddy, Senthil Kumar, S., I Anand	Experimental Investigations of distributed maximum power point operation for solar PV system	20th National Power System Conference (NPSC)	pp,1-6.		NIT- Trichy	2018
Mahaboop Subahani, A., Senthil Kumar, S., and Kumaresan, N., Ravi Ratna Roja, K	Control of SEIG system for supplying Isolated DC loads” National Conference on Hybrid AC/DC Power Systems for Effective Utilization of Renewable Energy,				NIT- Trichy	
A.Mary Beula , S.Mageshwari and S.Senthil Kumar	Simplified Topology For Single-Phase To Three-Phase Conversion For Induction Motor Drive Using A Single-Phase Half- Bridge PWM Boost Rectifier And A Three-Leg Inverter	National Conference on Electrical Engineering and Embedded Systems			Anna university, Chennai	2008
S. Senthil Kumar and S. Sampath Kumar	Fuzzy Logic Based Sensorless Direct Torque Control Of Induction Motor Drive	National Conference on Power Electronics And Intelligent Control March 17-18			Malaviya, NIT, Jaipur	2007
S. Senthil Kumar and S. Sampath Kumar	Reduction Of Ripples And Flux Droop In Sensorless Direct Torque Controlled Induction Motor	National Conference on Power Electronics And Intelligent Control March 17-18			Malaviya, NIT, Jaipur	2007

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

S. Senthil Kumar, S.Himavathi and B. Geethalakshmi	DSP Based Implementation of Flux, Torque and Speed Estimators for Sensorless High Performance Drives	National Power Electronic Conference (NPEC 200)			IIT, Khar agpur	2005
S. Senthil Kumar, S. Carthikeyan	Implementation of DSP Based Speed Estimator Using Extended Kalman Filter for Sensorless Vector Controlled Drives	National Conference on Recent Trends in Electrical Engineerin			KSR Engg College, Thiruc hang code	2005
S. Senthil Kumar, S.Himavathi and B. Geethalakshmi	Design and Implementation of Analog Estimators in Sensorless Vector Controlled Drives	1. Nationa l Conference on Recent Advances in Electrical Engineering (EAR 2004) 4th December 2004, JNTU Ananthapur. India.				
Mahajan, S.M. Senthil Kumar, S. S. Kmasesan N. Ammasai Goundan, Borru, D. V	Implementation of matrix converter for standalone power supplies employing induction generator system	8th National Power Electronics Conference			Pune	2017

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number