

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

B.Tech	JNTU Kakinada	2012	Distinction (78%)	EEE
Intermediate	State board of Andhra Pradesh	2008	Distinction (91.5%)	Mathematics, Physics, Chemistry
SSC	State board of Andhra Pradesh	2006	Distinction (79%)	-

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2022	Best paper award	SRMIST
2015	University Topper	JNTU Kakinada
2009	College Topper	Amrita Sai

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2022	Institute Post-Doc Fellowship	IIT Delhi	May 2022	Oct 2022

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

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels
- (iii) Projects guided at Postgraduate level
- (iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

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
1 st to 24 th July 2019	High gain converters for grid connected photovoltaic systems	Three-week SPARK Program (National)	Participant	NIT Warangal	EED Seminar Hall
1 st to 5 th Jan 2018	Power Conditioning for PV Systems	One week GIAN course	Participant	NIT Warangal	EED Seminar Hall
21 st to 1 st 2016	Power Converters for Alternate Energy Sources	One week GIAN course	Participant	NIT Goa	EED Seminar Hall

**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

18. Invited Talks delivered

Topic	Date	Inviting Organization
Opportunities and Challenges of Power Electronics	13-10-2022	G. H. RAISONI COLLEGE OF ENGINEERING

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	IEI	M-1742145
Life Member	IA ENG	282227

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

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

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Chinmay Kumar Das, A. Kirubakaran, VT. Somasekhar and K. Sateesh Kumar	An Improved Quasi Z-Source Based H5 Inverter with Low Leakage Current for Photovoltaic Applications	<i>International Transactions of Electrical Energy System</i>	Volume 31, Issue 12	13187-99	2021	2.639
Sateesh Kumar Kuncham, Kirubakaran Annamalai, and Subrahmanyam Nallamothu	A Two-Stage T-type Hybrid Five-Level Transformerless Inverter for PV Applications	<i>IEEE Transactions on Power Electronics</i>	vol. 35 (9)	pp. 9512-9523	2020	5.967
Sateesh Kumar Kuncham, Kirubakaran Annamalai, and Subrahmanyam Nallamothu	Bi-Directional Clamping Based H5, HERIC and H6 Transformerless Inverter Topologies with Reactive Power Capability	<i>IEEE Transactions on Industrial applications</i>	vol. 56 (5)	pp. 5119-5128	2020	4.079
Sateesh Kumar Kuncham, Kirubakaran Annamalai, and Subrahmanyam Nallamothu	An Improved Hybrid-Bridge Transformerless Inverter Topology with Bi-Directional Clamping and Reactive Power Capability	<i>IEEE Transactions on Industrial applications</i>	vol. 55 (6)	pp. 7400-7409	2019	4.079
Sateesh Kumar Kuncham, Kirubakaran Annamalai, and Subrahmanyam Nallamothu	Single-Phase Two-Stage Seven-Level Power Conditioner for Photovoltaic Power Generation System	<i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i>	vol.8 (1)	pp. 794-804	2019	5.462

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

Sateesh Kumar Kuncham, Kirubakaran Annamalai, and Subrahmanyam Nallamothe	A new structure of single-phase two-stage hybrid transformerless multilevel PV inverter	<i>International Journal of Circuit Theory and Applications</i>	vol. 47 (1)	pp. 152-174	2019	2.378
---	---	---	-------------	-------------	------	-------

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
D.Vijay Kumar, Kirubakaran, K.Sateesh Kumar	Performance evaluation two-stage boost T-Type Inverter for PV Applications	IEEE SEFET 2022	1-6	Sustainable Energy and Future Electric Transportation	Hyderabad	2022
Chinmay Kumar Das;A. Kirubakaran;V.T. Somasekhar;K. Sateesh Kumar	A New Dual Quasi Z-Source Based T-Type Five-Level Inverter with HERIC Structure for PV System	IEEE SEFET 2022	1-6	Sustainable Energy and Future Electric Transportation	Hyderabad	2022
K. Sateesh Kumar;S. Raghavendran;Chinmay Kumar Das;A. Kirubakaran	Novel Single-Phase Packed U-Cell based Symmetrical Multilevel Inverters	IEEE ICPC2T 2022	1-6	Power, Control, and computing Technologies	NIT Raipur	2022
S. Raghavendran;K. Sateesh Kumar;Abhilash. Tirupathi;Chittibabu. B	An Improved Three-level DC-DC Boost Converter for Renewable energy Systems with High Gain	IEEE ICEPE 2021	1-6	Energy, Power and Environment: Towards Clean Energy Technologies	VIT Vellore	2021

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

K. Sateesh Kumar;S. Raghavendran;A. Kirubakaran;	Single-Phase Five-level Transformerless Inverter for Multi-String Photovoltaic Applications	IEEE TPEC 2021	1-6	Texas Power and Energy Conference	Texas, USA	2021
S. Raghvendra, K. Sateesh Kumar	A Self-Balanced High Gain Multi-Port Converter for Photovoltaic and Fuel Cell based Power Generation Systems	IEEE PESGRE 2021	1-6	POWER ELECTRONICS S M A R T GRID AND RENEWABLE ENERGY	Cochin, Kerala	2021
K.Sateesh Kumar, A.Kirubakaran, N.Subrahmanyam	A Novel Two-Stage Hybrid T-type Five-Level Transformerless Inverter	IEEE i-PACT 2019	1-6	Power and advanced computing technologies	VIT Vellore	2019
K.Sateesh Kumar, A.Kirubakaran, N.Subrahmanyam	Bi-Directional Clamping Based H5, HERIC and H6-Type Transformerless Inverter Topologies with Improved Modulation Technique	IEEE PESGRE Conference 2019	1-6	POWER ELECTRONICS S M A R T GRID AND RENEWABLE ENERGY	Cochin, Kerala	2019
K.Sateesh Kumar, A.Kirubakaran, N.Subrahmanyam	A Hybrid-Bridge Asymmetrical Transformerless Five-Level Photovoltaic Inverter	IEEE INDICON 2017	1-6	IEEE Indian Conference	IIT Roorkee	2017

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
K.Sateesh Kumar, A. Kirubakaran, N. Subrahmanyam,	Power electronics for green energy conversion	Wiley	2022	9781119786481

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

Uma shankar Subramaniam				
T. Abhilash, Kuncham Sateesh Kumar, Jammy Ramesh Rahul, A. Kirubakaran, VT. Somashekar	Advanced Power Electronics Converters for Future Renewable Energy Systems	CRC - Press	2022	In press