

S. No	Grant Sanctioned Date	Title of the Seminar / Conference / Workshop / FDP / FDTP / Symposium / Project	Name of the Convener / Co-ordinator	Name of the Organization	Amount Sanctioned (in Rs)
<b>2021– 2022</b>					
1.	21.10.2021	ATAL FDP	Dr.S.Vijayabaskar Mr.A.Vinothkumar	AICTE	93,000
<b>2020 – 2021</b>					
2.	10.08.2020	STTP	Dr.V.Parimala Mr.A.Kuppuswamy	AICTE	3,00,000

**Publications  
2022– 2023**

Sl.No	Title of the paper	Name of the author(s)	Name of the Journal	Scopus	Month and Year of publication
1	Pole clustering based modified reduced order model for Boiler system	S.Arun T. Manigandan P. Mariaraja	IETE Journal of Research	Yes	Vol 68, No.4, July – August 2022, pp – 3100 – 3107.

**2021– 2022**

Sl.No	Title of the paper	Name of the author(s)	Name of the Journal	Scopus	Month and Year of publication
1	Real Time Implementation of Pollination based Techniques for Radial Distribution Network Reconfiguration	P.Mariaraja Dr.T.Manigandan	IETE Journal of Research	Yes	October 2021
2	A series reconfigurable structure resonant chopper fully soft switched dual active bridge with dual tank	C.Selsiya S.Vijayabaskar	EPRA International Journal	No	June 2022

3	Solar PV systems with multilevel inverter using PI and Fuzzy logic controller	C.Selsiya R.Sivakumar	EPRA International Journal	No	June 2022
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**2020 – 2021**

Sl.No	Title of the paper	Name of the author(s)	Name of the Journal	Scopus	Month and Year of publication
1.	Forecasting Biofuel Production using Adaptive Integrated Optimization Network model	Dr.S.Vijayabaskar	Elsevier – Science direct – FUEL - the science and technology of Fuel and Energy	Yes	January 2021
2.	A Novel Efficient Design And Analysis Of High Speed Adder In Quantum-Dot Cellular Automata	Dr.S.Vijayabaskar	Journal of Huazhong University of Science and Technology	Yes	March 2021
3.	Design of ACO based PID controller for zeta converter using reduced order methodology	S.Arun, Dr.T.Manigandan	Elsevier, Microprocessors and Microsystems (2020)	Yes	March 2021
4.	Solar Power Monitoring System Using Internet Of Things	P. Prakash M. Vigneshkumar	International Journal of Advance Research, Ideas and Innovations in Technology	No	April 2021
5.	Ant Colony Optimized MPPT With Single CUK Converter For Standalone PV System	M. Vigneshkumar P. Prakash	International Journal of Advance Research, Ideas and Innovations in Technology	No	April 2021
6.	A Reduced Switch Thirteen Level Inverter For Photovoltaic Applications	Dr.S.Vijayabaskar A.Vinothkumar C.Selsiya	International Journal of Research & Development	Yes	May 2021

**2019 – 2020**

<b>Si.No</b>	<b>Title of the paper</b>	<b>Name of the author(s)</b>	<b>Name of the Journal</b>	<b>Scopus</b>	<b>Month and Year of publication</b>
1.	Object recognition using Hausdorff distance for multimedia applications'	K.Senthil kumar, Dr.T. Manigandan, D.Chitra L.Murali	Multimedia Tools and Applications	Yes	June 2019
2.	Maximum power point tracking using fuzzy logic controller based cuk converter	P.Prakash M.Vigneshkumar A.Vinothkumar R.Thirumoorthy	International Journal of Engineering Trends and Technology	Yes	November 2019
3.	Automatic Accident Detection and Intelligent Information System	M.Ganesh P.Prakash	International Journal of Advanced Research Trends in Engineering and Technology	No	February 2020
4.	Cascaded Multi-Level Inverter Harmonic Mitigation with Reduced Switch Numbers	M.Ganesh P.Mariaraja, Dr.T.Manigandan,, A.Kuppuswamy, S.Arun	Journal of Information and Computational Science	No	March 2020
5.	Pole clustering-Based Modified Reduced-order Model for Boiler System	S.Arun, Dr.T.Manigandan P.Mariaraja	IETE Journal of Research	Yes	May 2020
6.	Distribution System Optimization with UPFC Using Hybrid Fuzzy Self Adaptive Differential Evolution Algorithm	Dr. S. Vijayabaskar	Journal of Information and Computational Science	Yes	February 2020
7.	Test Data Compression Architecture using Low Transition Test Data Skipping (TDS) algorithm for BIST	Dr. S. Vijayabaskar	Journal of Information and Computational Science	Yes	February 2020

**Books / Book Chapter Published:**

Sl. No.	Title	Author	Edition	Year of Publication	Publisher
1.	Power Electronics for Renewable Energy Systems	Dr.M.Sathiskumar Mr.P.Mariaraja Mr.A.Kuppuswamy	First ISBN: 978-93-856-6616-2	2017	Chess Educational Publishers, Chennai, India
2.	A Text book of Renewable energy sources,	Dr.S.Vijayabaskar	First ISBN 9789395331463	2022	RK Publication,

**Patents:**

S.No.	Name of the Faculty	Title of the Invention	Application No.	Publication Date	Official journal No. of Patent office & Page No.
1.	Dr. S.Vijayabaskar Dr. P. Mariaraja	Artificial intelligence based smart e-cart vehicle for blind people in Shopping mall	202141012414	26/03/2021	13/2021 & 15438
2.	Mr. S. Arun	A Robot with Automated Technology Capable of Recovering Children Trapped Inside Abandoned Borewells	01941054379A	10/01/2020	02/2020 & 1900
3.	Dr.S.Vijayabaskar	A double picks insertion tool	201841003323	02/02/2018	05/2018&4032
4.	Dr.V.Parimala	A Navigation and Information Assistive Spectacle	201741024458	14/07/2017	28/2017&23528