




TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS			
Name & Qualification	Dr.S.SASIKALA & Ph.D		
Designation	ASSOCIATE PROFESSOR		
Department	ECE		
Total Teaching Experience	20 years		
Total Research Experience	10years		
Total Industry Experience	1.5years		
Area of Specialization	Renewable Energy		
AICTE Faculty ID	1-492864181		
Email ID	sasikalashree07@gmail.com		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	BE EEE	Madras University	1999
PG	ME Power System	Anna University	2007
Ph.D	Renewable Energy	Anna University	2020
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<p>1. Sasikala S & Jamuna Venugopal (2017), ‘Performance enhancement of photo voltaic system using ant colony optimization modus operandi with high voltage gain boost converter’, Journal of Computational and Theoretical Nano science, vol. 14, pp. 4406–4415. Impact factor: 1.34. SSN: 1546-1955 (Print): EISSN: 1546-1963 (Online)</p> <p>2. Sasikala S, Jamuna Venugopal & Saraya R (2016) “Implementation of ACO Techniques in high voltage gain converter for SPV System under partial shading condition “, I J C T A ©International Science Press, Volume No: 9 (2016) Issue No: 2 (2016) , pp. 809-819 ISSN :2229-6093.</p> <p>3. Sasikala S, Jamuna V, Velvizhi J (2015), “String Characteristics Analysis Of PV Panel Using</p>			

Different Types Of Converter “; International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.42 (2015) © Research India Publications; pp30775 – 30777.

4. Vijayakumar.M, **Sasikala S**, “Analysis of photovoltaic system under partial shading condition with KY converter”, International Journal of Innovative Works in Engineering and Technology (IJIWET) vol 1. No1 2015 ISSN2455-5797, pp:23-32,2015
5. **Sasikala S**& Jamuna V, “Z - source inverter for drive applications”, International journal, Applied Mechanics and Materials (Annexure –II), titled, Volume. 622 (2014), PP 205-209.2014
6. **S.Sasikala**, Dr.V.Jamuna, R.Revathi, G.Shanmugapriya ,”implementation of fuzzy logic controller to improve dynamic performance of DC-DC boost converter “,International Journal of Scientific & Engineering Research ,118, ISSN 2229-5518, Volume 5,Issue -4, April 2014 , pp118-121.2015:
7. **Sasikala S**, Vijayalakshmi,” An Ai Power Saving System Using Sensor”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.22 (2014) pp. 6687-6691.
8. **S. Sasikala**, Olivia Ramya Chitranjan and K. Muthulakshmi (2014),” Implementation of Home Automation Safety Control Using Programmable Logic Controller”, Middle-East Journal of Scientific Research 20 (4): 492-501.

Conference Proceedings

INTERNATIONAL CONFERENCE: -

- 1.**Dr.S. Sasikala**, Dr. V.Jamuna (2020), " ACO Implementation For SPV", International E-Conference On Electrical, Communication And Computing, E- ICECC - 2020, 20th and 21st of August 2020, Tagore Engineering College
- 2.**Dr.S. Sasikala**, Dr. V.Jamuna (2020),"Comparison Of Dc-Dc Converter For SPV System", International E- Conference On Electrical, Communication And Computing , E- ICECC - 2020 , 20th and 21st of August 2020, Tagore Engineering College.
- 3.V.S.Mukundan, R.Manova,V.Wesley Christo , **Dr.S.Sasikala** (2020),"CONTROL OF DEVICES THROUGH SPEECH PROCESSING",,. INTERNATIONAL E- CONFERENCE ON ELECTRICAL, COMMUNICATION AND COMPUTING, E- ICECC - 2020, 20th and 21st of August 2020, Tagore Engineering College
- 4.**S.Sasikala**,Dr.V. Jamuna,lamathi, Priya.M, Priyadharshini.R (2019) , “Maintaining the room temperature by amending the speed of the fan using AI techniques”, International Conference On Electrical, Communication And Computing ICECC-2019,held on 12th and 13th MARCH 2019, Tagore Engineering College.
- 5.Nivedhikapriyadharshini P, NivedhaR ,**Sasikala S**(2019),” Intelligent control of Traffic signal

- using SCADA”, International Conference on Electrical, Communication and Computing ICECC-2019, held on 12th and 13th March 2019, Tagore Engineering College.
6. M. Subashini, **S.Sasikala** (2019),” AUTOMATIC ATTENDANCE SYSTEM USING FACE RECOGNITION”, International Conference On Electrical, Communication And Computing ICECC-2019 ,held on 12th and 13th March 2019, Tagore Engineering College.
7. Nivedhikapriyadharshini P, NivedhaR ,**Sasikala S** (2019) ,”Intelligent control of Traffic signal using SCADA”, International Conference on Electrical, Communication and Computing ICECC-2017 on 7th and 8th MARCH 2017, Tagore Engineering College.
8. M. Subashini, **S.Sasikala** (2019),”AUTOMATIC ATTENDANCE SYSTEM USING FACE RECOGNITION”, International Conference On Electrical, Communication And Computing - ICECC-2017 on 12th and 13th MARCH 2019, Tagore Engineering College.
9. S. Antony Irudaya Regina, R. Chitra, S. Deepa, S. Suganya , **S, Sasikala**(2017), “integrated data collection and theft detection in electrical power using GSM techniques” ”, International Conference On Electrical, Communication And Computing- ICECC-2017 on 7th and 8th MARCH 2017, Tagore Engineering College.
10. **Sasikala S** and Vijayakumar (2015), “Analysis of photo voltaic system under partial shading condition with KY converter”, International Conference on Electrical, Electronics & Computer Engineering ICEECE, 11th and 12th 2015, Vivekananda College for Engineering for Women.
11. **Sasikala S** and Jamuna J (2014), “Analysis of PMBDC Motor Drive using Z-Source Inverter “ , International Conference on Electrical, Communication and Computing – ICECC- 2014 , , 13th and 14th March 2014 . Tagore Engineering College.
12. **Sasikala S** and Jamuna J (2014), “Experimental analysis of Soft Switched CCM Boost Converter with High Voltage Gain”, International Conference on Electrical, Communication and Computing – ICECC- 2014 , , 13th and 14th March 2014 . Tagore Engineering College.
13. **Sasikala.S** , Jamuna J, R. Revathi , G. Shanmugapriya, (2014), "Implementation of Fuzzy Logic controller to improve Dynamic Performance of DC-DC boost converter", International Conference on Electrical ,Communication and Computing – ICECC- 2014 , , 13th and 14th March 2014 . Tagore Engineering College
14. T. Mani Mohan , **S.Sasikala** (2014) , “Optimal Location Of Facts Devices To Minimize Transmission Power Loss Using Self-Adaptive Differential Evolution Algorithm, International Conference on Electrical ,Communication and Computing – ICECC- 2014 , , 13th and 14th March 2014 . Tagore Engineering College
15. **S.Sasikala** , Dr. V. Jamuna , T. Manimohan (2014) ,”Experimental Analysis of Permanent

Magnet Brushless Dc Motor Drive Using Z - Source Inverter” International Conference on Electrical ,Communication and Computing – ICECC- 2014 , , 13th and 14th March 2014 . Tagore Engineering College.

16. **S.Sasikala**, J.JohnAsha , K.KumuthaPriya (2011),””,International conference on smart technologies for Materials ,Communication ,Controls, Computing & Energy ICST2011 ,from 5th to 7th January 2011 at Vel’s Tech. Dr.RR& Dr .SR technical University.

NATIONAL CONFERENCES:

1. **S.Sasikala**, "Novel Techniques for Solar Photo Voltaic System at Partial Shading Condition", National Conference on Recent Advances in Science, Engineering & Management, NCRASEM - 2020, 05th March 2020.
2. **S.Sasikala**, "Implementation of CUK Converter to Produce Voltage Controlled PFC for PMBLDCM Drive", National Conference on Recent Advances in Science, Engineering & Management, NCRASEM - 2020, 05th March 2020.
3. **S.Sasikala**, "Control of Devices through Speech Processing", National Conference on Recent Advances in Science, Engineering & Management, NCRASEM - 2020, 05th March 2020, Tagore Engineering College
4. Dhivya . J, FloranceAngeline . M, Logeshwari.G, **S. Sasikala(2018)** , “Student Location Stalking Inside College Infrastructure” ,National Conference on Recent Advanced In Sciecne Engineering And Management NCRASEM -2018, 28th March 2018.
5. Tamilponni A, **.S.Sasikala,**” A Novel Single Stage Single Phase Reconfigurable Inverter Topology For A Solar Powered Hybrid Ac/Dc Home” , ” ,National Conference on Recent Advanced In Sciecne Engineering And Management NCRASEM -2018, 28th March 2018 .
6. N.Ramya and **Sasikala,**” A Novel Multi Input Grid Connected Bidirectional Converter For Hybrid Systems” , ” ,National Conference on Recent Advanced In Science Engineering And Management NCRASEM -2018, 28th March 2018.
7. **S.Sasikala&** Jamuna V, “ Comparison Analysis’s of Various Converter For Renewable System With Novel MPPT Techiniques”, ” ,National Conference on Recent Advanced In Science Engineering And Management NCRASEM -2018, 28th March 2018.
8. **S.Sasikala** , Jamuna Venugopal & Saraya R, , “ Implementation of ACO techniques in high voltage gain converter for SPV system under partial shading condition”, on national conference on renewable power generation NCRPG’16 organized be SreeSastha institute of engineering and technology, on 4th march 2016.
9. M.SujiKannan ,**S.Sasikala** (2015) , “Analysis of stagnant electricity emancipation for human

entity during their daily activities “, on National Conference on Recent Advances in Science, Engineering & Management NCRASEM -2015 on 20th March 2015.

10. **S.Sasikala**, V.Jamuna , P.Thenmozhi, P.Rosaline , D .Subhashini (2015), “Implementation of Solar PV Panel under Partial Shading Condition using MPPT Novel Technique”, on National Conference on Recent Advances in Science, Engineering & Management NCRASEM -2015 on 20th March 2015.
11. **S.Sasikala** , J.Velvizhi , V.Jamuna(2015) “Analysis of PV system under partial shaded condition with different dc-dc converter”, National Conference on Recent Advances in Science, Engineering & Management, NCRASEM -2015 , 20th March 2015.
12. **S.Sasikala**, V.Jamuna, M.VijayaKumar (2015),“Application of KY converter in PV system under partial shade condition”, on National Conference on Recent Advances in Science, Engineering & Management NCRASEM -2015 on 20th March 2015.
13. **S.Sasikala**,V.Jamuna , "Z – Source Inverter for Drive Application", ICETSET – 2014, 18th and 19th April 2014. National Conference NCEST – 2014.
14. **S.Sasikala**,V.Jamuna , “ “Implementation of solar PV panel under partial shading condition using MPPT with novel technique”, National Conference on Recent Advances in Science, Engineering & Management, NCRASAM -2014.

Books / Chapters Published

Nil

Fund Received

Nil

Patent Applied / Published/Granted

1. **Dr.S.Sasikala** , has filed a patent on , “ Assisting the DYSLEXIA children by training their minds for adaptability”, and published on 08.04.2022.
2. **Dr. S. Sasikala** has filed a patent “Priority generator and the method there of by implementing Artificial Intelligence for diagnosing patients in hospitals “ and published on 25.03.2022.
3. **Dr. S. Sasikala** , has filed a patent “ Resolve of locust epidemics in farming exploitation using machine learning approach “and published on 18.03.2022.

CITATIONS

H-INDEX

RESEARCH GUIDANCE DETAILS

Sl.No	University	Supervisor ID / Reference
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	42 Batches/ 4127076
3	Number of PG Scholars Guided	16 / 4126076
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-

PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl.No	Professional Society Name	Member ID
1	ISTE	
2	IAENG	
3	ISRD	
4	IETE	