

List of Journals publications in Academic Year 2017-18

Sl. No	Name of Faculty	Title of the paper	Journal	Indexing	Month	Year	ISSN. No
1.	K.Bala Krishna, K.Rachananjali	Design of MPPT based Solar Photo Voltaic System for Household Applications	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
2.	K.Rachananjali, K.Bala Krishna, M Sandeep	Distributed Power Flow Controller (DPFC)	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
3.	K.Bala Krishna, A Sri HariBabu	Improvement of Power Quality Problems Based on Distribution statcom by Using Spwm Technique	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
4.	A.SrihariBabu	MPPT Technique for Wind Energy Conversion System Driven By PMSG	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
5.	Rajesh Kumar S. N. Ramaraj D. Anil Kumar	Renewable Energy Sources for Smart-Grid	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
6.	A. R. Vijay Babu,D. ManikantaSwamy, K. Pavan Kumar Abu TalhaSiddiqi	Design and Performance Analysis of "v" type Solar Desalination Still	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
7.	Geetha Reddy Evuri, Dr G. SrinivasaRao, T. Rama Subba Reddy	Current Trends In Ultra Capacitor/Battery Based Smart Transportation	Journal Of Advance Research in Dynamical &	Scopus	September	2017	0974-5572

	K. Srinivasa Reddy	System	Control Systems				
8.	V. Rajyalakshmi A. R. Vijay Babu	Implementation of PV based High-step-up DC-DC Converter with Different Cascade H-bridge (CHB) Topologies	Journal Of Advance Research in Dynamical & Control Systems	Scopus	September	2017	0974-5572
9.	K.SaiVenkataRatna mPolamraju.V.S.Sobhan	Performance analysis of switched reluctance motor Using sliding mode controller with classical Reaching laws	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
10.	A.R.VijayBabu Ch. Umamaheswara Rao	Energy Conservation, Green House Gas Emission Reduction and Management Strategies of VFSTR University: A Case Study	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
11.	K.SaiVenkataRatna mPolamraju.V.S.Sobhan	Analysis of Sliding Mode Controller with Classical Reaching Laws based Switched Reluctance Motor.	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
12.	Yamavarapu Ganesh, M. SubbaRaoPolamraju V.S. Sobhan	A High Gain Bridgeless SEPIC Converter with Multiplier Stage Fed to PMSM Drive Application	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
13.	Polamraju.V.S.Sobhan M. SubbaRao M.V. Sudarsan D. Manikanta Swamy	Higher Order Sliding Mode Control of Electromagnetic Suspension System	International Journal of Control theory and Applications	Scopus	October	2017	0974-5572
14.	RaghavaiahKaturi, A. R. Vijay Babu, A.	Design and analysis of HESS in a hybrid	Journal Of Advance	Scopus	October	2017	1943-023X

	Sri HariBabu, Dr. G. SrinivasaRao	electric vehicle	Research in Dynamical & Control Systems		er		
15.	Ch.N.NarasimhaRao Dr G. DurgaSukumar	Design and analysis of solar fed BLDCM with zeta Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
16.	Bala Krishna K, Dr K Mercy Rosalina, Dr N Ramaraj	Optimal PMU placement techniques for observabilityAnalysis of a framework	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
17.	Rachananjali K, DrSrinuNaik R K Suguna	A novel Implementation of Modular Multilevel Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
18.	K.Suresh, M.Venkatesan A.R Vijay Babu	Design and implementation of energy storage system by using converters and renewable energy source	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
19.	Ch. N. NarasimhaRao, K. Bala Krishna, K. Mercy Rosalina	Implementation of Modular Multilevel Converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
20.	Dr. N. Ramaraj, Ch. N. NarasimhaRao, A. Sri HariBabu, K. Bala Krishna	Observability Analysis for Optimal PMU Placement in Power Systems	Journal Of Advance Research in Dynamical & Control Systems	Scopus	Octob er	2017	1943-023X
21.	A.R Vijay Babu, V.RajyalakshmiK.Sur esh,	Renewable energy integrated high gain DC-DC Converter with multilevel inverter	Journal Of Advance Research in Dynamical &	Scopus	Octob er	2017	1943-023X

		for water Pumping applications	Control Systems				
22.	Raghavaiah Katuri, Dr. G. Srinivasa Rao	Design of hybrid energy storage system for an Affordable e-rickshaw application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
23.	RayuduMannam, SrinivasaRaoGorantla, NageshVangala	Soft switching flyback converter adopting fixed Dead time	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
24.	Polamraju.V.S.Sobhan, G.V. Nagesh Kumar, P. V. RamanaRao	Levitation control of hybrid pole bearingless Switched reluctance motor using neuro sliding mode Controller	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
25.	Mr.M. Subbarao, Dr.Ch.SaiBabuDr.S.Satyanarayana	1-Phase Integrated Buck-Boost PFC Led Driver	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
26.	K. Rachananjali, K Bala Krishna	Modified SEPIC Converter for Battery Charging Application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
27.	G. Durga Sukumar, Ch. N. NarasimhaRao, Ch. Uma MaheswaraRao	Renewable Energy Storage System using Converters and Renewable Sources	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
28.	AttuluriR.VijayBabu, GorantlaSrinivasaRao, PanthalingalManoj	Modelling, simulation and analysis of Performance characteristics of an	Journal Of Advance Research in Dynamical &	Scopus	October	2017	1943-023X

	Kumar	Air breathing fuel cell	Control Systems				
29.	Ch. Umamaheswara Rao, A.R. Vijay Babu, Md.Vaseem Chavhan, Siva Jagadishkumar	Energy Conservation Strategies of A Spinning Mill	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
30.	Bala Krishna K, Sandeep M, Naveen Reddy A, SkRiyaz	Voltage control of multiple feeders and fixing Maximum load on a feeder by changing load on other Feeders using voltage regulator and instant DG	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
31.	Ch. Uma MaheswaraRao, K. Rachananjali	Bridgeless SEPIC converter with Multiplier Stage fed PMSM Drive.	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
32.	P. SatyaPrakash, SrikanthGollapudi, Alla Naveen Reddy K Bala Krishna	Design and implementation of modified SEPIC Convertor for battery charging application	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
33.	N.Aparna, Ch. Saida Reddy	Analysis of maximum power point tracking	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
34.	D.Pavani A.Sriharibabu	Solar fed open end winding induction motor pump Drive based on dual inverter with MPPT	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
35.	Ch. Uma maheswaraRao, K.	LVRT of a grid connected wind	Journal Of Advance	Scopus	October	2017	1943-023X

	Mercy Rosalina, K. Rachananjali	Turbine with Energy Storage System	Research in Dynamical & Control Systems				
36.	Ch. Uma MaheswaraRao, A. Naveen reddy, A.Sriharibabu,	Neural Compensator for a dual PV source fed open-end winding induction Motor drive	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
37.	Kommoju C Sravanthi, Dr. K. Mercy Rosalina	Cyber Attacks on Optimal Power Flow: A Review	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
38.	Geetha Reddy Evuri, Dr G .SrinivasaRao, T.Ramasubba Reddy K.Srinivasa Reddy	Energy management and control of hybrid electric Vehicle using igt based boost converter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
39.	D.Pavani A.Sriharibabu	MPPT based Solar with Dual Inverter fed with a Open End Winding Induction Motor Pump Drive	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
40.	ManikantaSwamy Polamraju. V.S.Sobhan	Design and implementation of c dump converter for 8/6 switched reluctance motor	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
41.	DivyaManukondaSrinivasaRaoGorantla	Design of Standalone Solar Wind Hybrid Inverter	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
42.	A. Sri HariBabu, AttuluriR.VijayBabu, GorantlaSrinivasaRao	Performance Characteristics of Air breathing Fuel Cell's Modelling,	Journal Of Advance Research in Dynamical &	Scopus	October	2017	1943-023X

		Simulation and analysis	Control Systems				
43.	SkRiyaz, Bala Krishna K, K. Mercy Rosalina	Voltage Regulation by Instant DG and Maximum Load change on Feeders with Multiple Feeder System	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
44.	A Sri HariBabu A Naveen Reddy	A study on VFSTR University's Energy Conservation, Green House Gas Emission Reduction and Management Strategies	Journal Of Advanced Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
45.	Ch. Uma maheswaraRao , BalaMurali Krishna. V, Shaik. Meeravalli	Low voltage ride through for grid connected wind Power system with battery energy storage system	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
46.	A.Sriharibabu Dr. G. SrinivasaRao	A dual PV source fed open-end winding induction Motor drive with neural compensator	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
47.	Ch.Umamaheswara rao, Ch. Saidareddy, A. SrihariBabu SaiHarithaJanga	Simulation and model of parameter estimation based MPPT algorithm for solar PV panels	Journal Of Advance Research in Dynamical & Control Systems	Scopus	October	2017	1943-023X
48.	D. ManikantaSwamy, K. Bala Krishna	Electromagnetic Suspension System controlled by higher order Sliding Mode	International Journal of Control theory and Applications	Scopus	November	2017	0974-5572
49.	A Sri HariBabu	A Novel Hybrid Wind Solar Power System	International Journal of	Scopus	Nove	2017	0974-5572

	A Naveen Reddy	with Open Winding Permanent Magnetic Machine	Control theory and Applications		mber		
50.	K. Mercy Rosalina, A.R.VijayBabu Ch. Umamaheswara Rao	Open Winding Permanent Magnetic Machine fed with a Novel Wind Solar Power system.	International Journal of Control theory and Applications	Scopus	November	2017	0974-5572
51.	A.R.VijayBabu, K.Suresh, Ch. UmamaheswaraRao , Ch. Saida Reddy	Design and implementation of high gain power converter for wind energy conversion system	Journal of Advanced Research in Dynamical and Control Systems	Scopus	January	2018	1943-023X
52.	Srinivasarao. Gorantla A.R.VijayBabu S.Siva Naga Raju	Design and Implementation of an Ultra Capacitor Based Motion Control in Electric/Hybrid Electric Vehicle	Journal of Electrical Engineering	Scopus	January	2018	1582-4594
53.	A.R.VijayBabu,K.Suresh,Ch.UmaMaheswararao,Ch.Saida Reddy	Design and implementation of high gain power converter for wind energy conversion system	Journal Of Advance Research in Dynamical & Control Systems	Scopus	January	2018	1943-023X
54.	polamrajuV.S.Sobhan,G.V.Nagesh Kumar, P.V.RamanaRao	Design of single neuron Fuzzy PID controller for suspension control of Bearing less SRM	Journal of Advance Research in Dynamical & Control Systems	Scopus	January	2018	1943-023X
55.	RaghavaiahKaturi, SrinivasaraoGorantla	Design and analysis of a control strategy approach for a smooth transition between battery and ultra capacitor	European Journal of Electrical Engineering	Scopus	January	2018	2103-3641

56.	Dr. G. SrinivasaRao et al.	Design and Fabrication of a Non dissipative charge equalization converter for Battery Stack used in Hybrid Electric Vehicle	Journal of Electrical Engineering	Scopus	January	2018	1582-4594
57.	Dr G.SrinivasaRao,Siva Nagarajusirigiri A.R.VijayBabu	Design and Implementation of an Ultra Capacitor based motion control in electric/hybrid electric Vehicle.	Journal Of Electrical Engineering	Scopus	February	2018	1582-4594
58.	Raghavaiah Katuri, Srinivasarao Gorantla	Comparative analysis of controllers for a smooth switching between battery and ultra capacitor applied to E-vehicle	European Journal of Electrical Engineering	Scopus	February	2018	2103-3641
59.	Dr G.SrinivasaRao,A.R. VijayBabu,P.Manoj Kumar	Experimental validation of an improved parametric model for an Air breathing fuel cell	Journal of Advance Research in Dynamical & Control Systems	Scopus	February	2018	1943-023X
60.	Bala Krishna Kethineni, KunamneniRachana njali, YarlagaddaSrinivasa Rao, Alla Naveen Reddy	Voltage control of multiple feeders by voltage regulator and instant DG	European Journal of Electrical Engineering	Scopus	February	2018	2103-3641
61.	Cherukuri Naga NarasimhaRaoGadwalaSukumar	Design and analysis of torque ripple reduction in Brushless DC motor using SPWM and SVPWM with PI controller	European Journal of Electrical Engineering	Scopus	February	2018	2103-3641

62.	Geetha Reddy Evuri, G. SrinivasaRao, T. Ramasubba Reddy and K. Srinivasa Reddy	Design And Implementation Of Ultra Capacitor Based Energy Management System In Hybrid Electric Vehicle	ARPN Journal of Engineering and Applied Sciences	Scopus	Februa ry	2018	1819-6608
63.	K.Rachananjali,K.Bal aKrishna,S.Suman,V .Tejasree	Modelling of an ANFIS controller for Series-Parallel hybrid vehicle	Springer	Scopus	March	2018	2194-5357
64.	K. Rachananjali, K. Bala Krishna, S. Suman and V. Tejasree	Modeling of an ANFIS Controllerfor Series– Parallel Hybrid Vehicle	Artificial Intelligence and Evolutionary Computations in Engineering Systems, Advances in Intelligent Systems and Computing	Scopus	March	2018	2194-5357
65.	A.R.VijayBabu,Ch.U maMaheswararao,K .Suresh	Grid Integrated Z- Source Inverter with wind energy conversion system for Harvsting Maximum power	Journal of Advance Research in Dynamical & Control Systems	Scopus	March	2018	1943-023X
66.	Raghavaiah Katuri1, G. Srinivasa Rao2	Math function based controller applied to electric/hybrid electric vehicle	Modelling , Measurement and Control A	Scopus	March	2018	1259-5985
67.	Geetha Reddy Evuri, SrinivasaRaoGorantl a, T.RamaSubba Reddy	Enhancing the efficiency of a DC-DC converter used for hybrid electrical vehicles to suit uphill and downhill terrains	European Journal of Electrical Engineering	Scopus	April	2018	2103-3641
68.	PolamrajuVenkata Subrahmanya Sobhan1	Rotor Levitation And Vibration Control Of Hybrid Pole BSRM Using	International Journal of Innovative Computing,	ESCI / Scopus	April	2018	1349-4198

		Fuzzy Sliding Mode Controller	Information and Control				
69.	P.M.Venkatesh, A.R.VijayBabu, K.Suresh	An Experimental Investigations on Modified Savonius Wind Turbine with Curtain Arrangements in the Middle of the Highway	European Journal of Electrical Engineering	Scopus	June	2018	2103-3641
70.	Srinivasa Rao Gorantla, Vijay Babu Rakada Attuluri	Design and Development of an affordable plug-in/solar assisted electric auto-rickshaw	Modelling, Measurement And Control_A	Scopus	June	2018	1259-5985
71.	RaghavaiahKaturi, G. SrinivasaRao	Design of Math Function Based Controller for Smooth Switching of Hybrid Energy Storage System	Majlesi Journal of Electrical Engineering	Scopus	June	2018	2345-3796
72.	Divyamanukonda, Srinivasa Rao Gorantla	A Fuzzy Logic Controller Based Vortex Wind Turbine For Commercial Applications	Modelling, Measurement And Control_A	Scopus	June	2018	1259-5985
73.	Uma MaheswaraRao M Dr.K.Mercy Rosalina	MicroGrid Protection by using Resistive type Superconducting fault Current Limiter	Modelling, Measurement And Control_A	Scopus	June	2018	1259-5985
74.	Rajesh K. Samala*, Mercy R. Kotapuri	Optimal DG sizing and siting in radial system using hybridization of GSA and Firefly algorithms	Modelling, Measurement and Control A	Scopus	June	2018	1259-5985
75.	RaghavaiahKaturi,	Design and	Journal	Scopus	June	2018	2116-7087

	SrinivasaraoGorantla	comparative analysis of a control strategy approach implemented to hybrid energy storage system based electric vehicle	European des systems automation				
76.	Dr. G. SrinivasaRao, A. R. Vijay Babu	Design and development of an affordable plug in solar assisted electric auto rickshaw	Modelling, Measurement and Control, A	Scopus	June	2018	1259-5985

List of Conference Presentations (2017-2018 AY)

Sl. No	Name of Faculty	Title	Title of the Conference	Organizing Institution/ University	Year
1	K Rachananjali	A Modular Multilevel Converter Employed for PV environment using Hysteresis Current Controller	Second National Power Engineering Research Scholars Conference (NPERSC)	IIT, Madras	24-25th Feb 2018
2	Narasimha Rao	Open loop operation of solar fed BLDC Motor	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
3	Kethineni Bala Krishna, Dr.K. Mercy Rosalina	Optimal PMU Placement Techniques for Observability Analysis of a Framework	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
4	Rachananjali K,	Implementation of Modular Multilevel Converter	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
5	Bala Krishna K M.Sandeep	Voltage Control Of Multiple Feeders And Fixing Maximum Load On A Feeder By Changing Load On Other Feeders Using Voltage Regulator And Instant Dg	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
6	Ch. Saida Reddy	Analysis Of Maximum Power Point Tracking Algorithms For Solar Water Pumping Applications	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
7	K.Suresh A.R.Vijay Babu	Design and Implementation of Energy Storage System for Wind Energy Conversion System using Bi directional Converter	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017

8	A.Sriharibabu	Solar fed open end winding induction motor pump drive based on dual inverter with MPPT	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
9	Ratnam P.V.S.Sobhan	Performance Analysis of Switched Reluctance Motor Using Sliding Mode Controller with Classical Reaching Laws	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
10	A.R.Vijay Babu K.Suresh	Renewable Energy Integrated High Gain DC-DC Converter with Multilevel Inverter for Water Pumping Applications	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
11	Dr.G.Srinivasa Rao	Design of Hybrid Energy Storage System for an Affordable e-Rickshaw Application	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
12	Dr.G.Srinivasa Rao Nagesh Vangala	Soft Switching Flyback Converter Adopting Fixed Dead Time	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
13	K. Mercy Rosalina	Cyber Attacks on Optimal Power Flow: A Review	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
14	Dr.G.Srinivasa Rao Dr.T.Ramasubba Reddy Dr.K.Srinivasa Reddy	Energy Management And Control of Hybrid Electric Vehicle Using IGBT Based Boost Converter	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
15	Polamraju.V.S.Sobhan	Design And Implementation Of C Dump Converter For 8/6 Switched Reluctance Motor	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017

16	Polamraju.V.S.Sobhan	Design of Single Neuron Adaptive PID Controller for Levitation Control of Hybrid Bearing less Switched Reluctance Motor	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
17	Mr.M. Subbarao Dr.Ch.Sai Babu Dr.S.Satyanarayana	1-Phase Integrated Buck-Boost PFC LED Driver	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
18	Attuluri R.Vijay Babu, Gorantla Srinivasa Rao, Panthalingal Manoj Kumar	Air Breathing Fuel Cell Modelling and Simulation	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
19	Ch. Uma Maheswara Rao Shaik. Meeravalli	Low Voltage Ride Through for Grid Connected Wind Power System with Battery Energy Storage System	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
20	A.Sriharibabu, G. Srinivasa Rao	ANN-based MPPT algorithm for dual PV source fed Open-End Winding Induction Motor Drive	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
21	Ch.Uma maheswara rao A.Sriharibabu, Ch. Saida Reddy Sai Haritha Janga	Simulation and Model of Parameter Estimation Based MPPT Algorithm for Solar PV panels	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017
22	Ch. Umamaheswara Rao A.R. Vijay Babu	Energy Audit and Conservation Measures of a Spinning Mill	Emerging Trends in Power, Energy And Control (ETPEC' 17)	VFSTR	11-12 August, 2017