

List of Publications

Department of Electrical and Electronics Engineering

GMR Institute of Technology, Rajam – 532127

Affiliated to JNTU-K, Kakinada

Andhra Pradesh, India

	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
National Conference	00	03	02	00	07	08	01
National Journal	00	00	02	00	00	00	00
International Conference	00	02	02	03	03	09	02
International Journal	00	00	00	01	00	07	03
Total Publications	00	05	06	04	10	24	06

2005-06

National Conference:

-----Nil-----

2005-06

National Journals:

-----Nil-----

2005-06

International Conference:

-----Nil-----

2005-06

International Journals:

-----Nil-----

2006-07

National Conferences:

1. Dr.K.Alice Mary, “**PC based real time control of a voltage source inverter fed Synchronous motor drive**”, National systems conference (NSC-2006), National Institute of Oceanography Dons Paula, Goa, 2nd to 4th Nov 2006
2. Mr. P.Bharani Chandra Kumar and Mr.M.V.Rao ‘**Enhancement of Excitation controllers Using Linear & nonlinear control in power systems**’, A Two day National Conference on developments in Renewable Energy & Energy Management – DREEM, GITAM, Visakhapatnam, 1-2 December, 2006
3. Mr. D.G. Padhan, **Recent Advances in Electrical Engineering**, National Conference, Vignan’s Institute of Information Technology, Visakhapatnam, 9th & 10th March, 2007

2006-07

National Journals:

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2006-07

International Conference:

1. Mr. P.Bharani Chandra Kumar, “**Control of Nonlinear Wing rock Motion using Augmented Feedback Linearization and LQR control**”, International conference in ATTCE 2006, INTI University Malaysia, 28th & 29th August 2006.
2. Mr. P.Bharani Chandra Kumar, “**Design and Comparison of Linear and Nonlinear Control Laws for a fighter aircraft**”, 2nd Inter National CSJ Research seminar, INTI college, SARWAK, MALAYSIA, 9th November-2006.

2006-07

International Journals:

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2007-08

National Conference:

1. Dr. K. Alice Mary and Mr.P.Ramana, “ **Real time control of non-linear motor drive using feedback linearization**, National Power Engineering Conference (NPEC 2007), Thiagarajar college of engineering, Tamilnadu, 21st & 22nd June, 2007
2. Mr. N.B. Soni and Mr.P.Devendra “**The Transition to led illumination: A Case study on energy Conservation**” 2nd National conference on advances in energy conservation Technologies, Manipal University, 18-19, March 2008

2007-08

National Journals:

1. Dr. Alice Mary and Mr. P. Ramana, "**Control systems**" Right Publishers – 101, Book
2. Dr. K. Alice Mary and Mr. P. Ramana, "**PC Based Control of Nonlinear Motor Drive**", Indian Journal of Science and Technology (IJST), International Digital Publication, Nov. 2nd issue-2007

2007-08

International Conference:

1. Mr. D.G. Padhan, “**Optimal Biding Strategies for steam turbine Generators**” International Conference”, Andhra University, Visakhapatnam, 13th – 15th March. 08
2. Prof. F.A. Naik and Mr.P.Ramana “**Performance Analysis of the variable reluctance synchronous motor drive**” International Conference”, Andhra University, Visakhapatnam, 13th – 15th March. 08

2007-08

International Journals:

-----NIL-----

2008-09

National Conferences:

-----NIL-----

2008-09

National Journals:

-----NIL-----

2008-09

International Conference:

1. Mr. P. Ramana, “**Speed control of SPWM Inverter driven non linear PMSWM drive using exact feedback linearization with pole placement technique-2**”, International conference, ICEESPEEE-2009, SRM University, Chennai
2. Mr. P. Ramana, “**Design and performance of the speed control system for an inverter drive non linear PMSWM using exact feedback linearization**”, C³IT-2009, Acedamy of Technology –INDIA, 6th,7thFeb-2009
3. Mr. P. Ramana, “**Design and performance of the speed control system with an observer for an inverter drive non linear PMSWM using exact feedback linearization**”, C³IT-2009, Acedamy of Technology –INDIA, 6th,7thFeb-2009

2008-09

International Journals:

1. Mr. N.B. Soni and Mr.P.Devendra, "**The Transition toled illumination: A Case study on energy Conservation**", International Journal of Theoretical and Applied Information Technology, 2005-08, VJATIT, Nov. 08

2009-10

National Conferences:

1. Mr. T.S.L.V Ayyarao, Mr.A.Appa Rao and Mr.P.Devendra “**Control of Induction Motor by Adaptive Input –Out put Linearization**” , National conference , (NADCON 2009), Dept of EEE, GRIET Hyderabad, 26th-27th-Nov-2009
2. Mr.A. Apparao, “**Determination of DC Solution of MOSFET Circuits**” National conference (NADCON 2009), Dept of EEE, GRIET,Hyderabad, 26th-27th-Nov-2009
3. Mr. M.Venkateswara Rao and Mr. T.S.Kishore “**Simple and Effective Method for Radial Distribution System with Voltage Based Load Models**” , National conference NCEEE-10, Dept of EEE, Valliammai Engineering College, Kattankulathur, 2nd &3rd -Apr-2010
4. Mr. N.B. Soni “**Energy Conservation A Key Productivity Factor**” , National Workshop on Sustainable Development & Environmental Challenge, GMRIT, Rajam, 26th-27th-Mar-2010
5. Mr. T.S.L.V Ayyarao and Mr.G.Indira Kishore “**The Sliding Mode Field Oriented Control of 3-Phas Induction Motor**” , National Conference on Emerging Technologies in Electrical Engineering, Dept. of EEE, Adam’s Engineering College, Paloncha, Khammam Dt, June 11th – 12th
6. Mr.P. Devendra and Mr. T.S.L.V Ayyarao “**Feedback Linearization of Separately Excited DC Motor**” , National Conference on Emerging Technologies in Electrical Engineering, Dept. of EEE, Adam’s Engineering College, Paloncha, Khammam Dt.
7. Mr. N.B.Soni and Mr. T.S.L.V Ayyarao, “**Compact ECG with 24 hours Monitoring and Storage Capacity**” , National Conference on Advances in Mechanical & Electrical Engineering, Anna Saheb Danga College of Engineering, Ashta-Sangli, Maharastra.

2009-10

National Journals:

-----NIL-----

2009-10

International Conference:

1. P.Vasudeva Naidu and Mr.Y.Narendra Kumar “**A New simple Modeling and Analysis of Costum Power controllers**”, Third International Conference on Power Systems, IEEE Kharagpur Section, 27,28 and 29th-Dec-2009
2. Mr. N.B. Soni and Mr.P.Devendra “**Design of Low cost & Energy efficient, solar power based illumination system for remote villages**”, International Conference on Recent Advancements in Electrical Sciences (ICRAES'10), KSR College of Engineering, Tiruchengode.
3. Mr. S.Siva Kotaiah “**Fault Detection and Diagnosis of an Induction Motor Using Fuzzy Logic**”, International Conference on Computational Technologies in Electrical and Electronics Engineering, IEEE-8, SIBIRCON, Russia.

2009-10

International Journals:

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2010-11

National Conferences:

1. Mr. P. Devendra , J.S.V. Siva Kumar & N.B. Soni “**Harmonic reduction in PWM type AC Chopper using genetic algorithm**”, national conferences on advances in electrical power and energy systems Siksha O Anusandhan University, Institute of Technical Education and Research, 1st-2nd Oct-2010
2. Mr.A.Appa Rao “**Placement of Facts Devices Based on the Comparative Study of Static Voltage Stability Indices**”, National Power Engineering Conference , (NPEC 10), Thiagarajar College of Engineering, Madurai, 2nd &3rd -Dec-2010.
3. Mrs. S.Lalitha Kumari & Mr.A.Appa Rao “**Estimating Voltage Collapse proximity Indicator Using BP Neural Network Technique**”, National Power Engineering Conference , (NPEC 10), Thiagarajar College of Engineering, Madurai, 2nd &3rd -Dec-2010.
4. Mr.A.Appa Rao and Ms. S.Lalitha Kumari “**Estimating Voltage Collapse Proximity Indicator Using BP Neural Network Technique**”, National Power Engineering Conference (NPEC 10), Thiagarajar College of Engineering, Madurai, 2nd &3rd -Dec-2010.
5. Mr.T.S.Kishore, Ms. J.Usha Rani and Mr.M.Venkateswara Rao “**Analysis and Comparison of Methods for Determining Proximity to Static Voltage Collapse**”, National Power Engineering Conference (NPEC 10), Thiagarajar College of Engineering, Madurai, 2nd &3rd -Dec-2010.
6. G.I.Kishore, “Application of PLC for starting of Induction motor Drive using soft starter technique” Second national Conference on Intelligent electrical Systems, Mahacollegeo of Engineering ,Chennai, 31st-March,2011.
7. A.Apparao “Fuzzy logic based speed controller for vector controlled cage induction motor” National Conference of Design,operation and control of Distribution systems,HITS Collge of Engineering,
8. Mr.M.Rambabu “A Novel Switch mode DC to AC Inverter with nonlinear Robust control” National Conference on Design,Operation and Control of Distribution systems, Holy Mary INstitute of Technology and Science ,Bhogaram, Keesara, RR Dist ,

2010-11

National Journals:

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2010-11

International Conference:

1. Mr. P.Ramana “**Exact Feed Back Linearization of a PMSM Drive**”, International Conference, ICEPES-P-150, 26th-28th - Aug-2010.
2. Mr. M.Rambabu “**Development of a Low Cost Tabletop Die Sinker Electric Discharge Machining**”, 3rd International and 24th All India Manufacturing Technology, Design and Research Conference, Andhra University College of Engineering (A), Visakhapatnam, 3rd & 24th -Dec-2010.
3. Mr. T.S Kishore “**Mitigation of Voltage disturbances Using D-Statcom**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.
4. Mr. M.Rambabu “**Discrimination Between Inrush and External Fault Currents In Transformers Based On Neuro-Wavelet Technique**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.
5. Mr. M.Venkateswara Rao “**Minimization of Losses in a Transmission Line by Using UPFC**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.
6. Mr. M.Suresh Kumar “**Active and Reactive Power Control Using Three Phase Six Step Cycloconverter**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.
7. Mr. P.Ramana “**Design of a Robust Controller for VSI Fed Non-Linear Drives**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.
8. Mr. P.Ramana and Mr. J.S.V.Siva Kumar “**State Feed-Back Linearization of a VSI Fed Non-Linear PMSM Drive**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.

9. Mr. P.Ramana “**Design and Simulation of an Interline Power Flow Controller to Compensate the Impedances of Two Similarly Dimensioned Parallel Transmission Lines**”, International Conference on ‘Machine Intelligence Application to Power, Signal Processing, Communication and Control’ (MIPSCCON-2011), GMRIT, Rajam, 7th – 9th April 2011.

2010-11

International Journals:

1. Mr. P.Ramana “**Design of the H-∞ Controller for VSI Fed PMSM Drive**”, International Journal IJRRAS4(2), August 2010.
2. Mr. P. Devendra “Direct Torque control of permanent magnet synchronous motor”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.
3. Mr. A. Appa Rao “Optimum compensation to improve EHV line performance”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.
4. Mr. P. Devendra “Flux and speed estimation decoupled induction motor”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.
5. Mr. M. Venkateswara Rao “Real and reactive power control by using 48 pulse series connected three level NPC converter for UPFC”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.
6. Mr. A. Appa Rao “A new formulation for load flow solution of power systems with series FACTS devices”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.
7. Mr. A. Appa Rao “A space vector PWM scheme for 3-level inverter based on 2-level space vector PWM”, international journal of power system operation and energy management (IJP-SOEM), volume-I, issue-I,2011.

2011-12

National Conferences:

1. Mr. M. Vinay Kumar “**Enhancement of Power Quality using Unified Power Flow Controller**”, national conference on “Recent Advance in Power and Control Engineering (RAPCE-2K11)” Dept. of EEE, Vignan’s Lara Institute of Technology & Science, Guntur, 16th -17th December-2011

2011-12

National Journals:

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2011-12

International Conferences:

1. Mr. J.S.V. Siva Kumar and Mr. P. Devendra “**Simulation studies on MRAC technique for the vector controlled PMSM drive**”, International Conference on Nanoscience, Engineering and advanced computing (ICNEAC-2011), Dept of EEE, Swaranadhr A College of Engineering and Technology, Narsapur, A.P
2. Mr. P. Devendra “**Sensorless Control of Brushless DC Motor using Adaptive Neuro Fuzzy Interference Algorithm**”, IEEE International Conference on Energy, Automation and Signal (ICEAS 2011), Institute of Technical Education & Research, Siksha ‘O’ Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, 28th – 30th December, 2011

2011-12

International Journals:

1. Mr. P.Ramana “**Parameter estimation of VSI fed permanent magnet synchronous motor by using Hartley modulating function**”, International Journal of Engineering science and technology (IJEST), Vol.3 No.8 August 2011.
2. Mr. P.Ramana “**Design of full order observer for VSI fed PMSM Drive**”, International Journal of Emerging Sciences (IJES), Volume-1, Issue-3, September-2011.
3. Mr. P.Ramana “**Design of a Non-linear observer for VSI fed synchronous motor**”, International Journal of Electrical and Electronics Engineering, Volume-5, Number-4, Autumn-2011.