

# CURRICULUM VITAE

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**Dr.A. MALLIKARJUNA PRASAD**

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## PERSONAL DETAILS

Date of Birth : 03/07/1979  
Gender : Male  
Marital Status : Married  
Mother Tongu : Telugu  
Religion : Indian  
E-mail : mallikarjunaprasad0307@gmail.com  
mallikarjunaprasad0307@yahoo.co.in  
Mobile : 9849144565, 08518-230270

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## ACADEMIC QUALIFICATIONS

### **Ph.D in Electrical Engineering.**

University : Annamalai University,  
Annamalai Nagar, Cuddalore, Tamilnadu  
Research Supervisor : Thiru. Dr.M.Velu Swamy  
Professor in EEE Department, Annamalai University,  
Annamalai nagar

### **M.E in Power Electronics & Industrial Drives.**

University : Satyabama Deemed University, Chennai.  
Research Supervisor : T. Nageswara Rao  
HOD OF EEE , Satyabama Deemed University, Chennai.  
Passed : **First Class Distinction (86%) in 2004.**  
Duration : July 2002 to April 2004.

### **B.Tech in Electrical & Electronics Engineering.**

University : University of Madras, Chennai.  
Research Supervisor : S. Raja Mouli  
Senior Engineer, A.P. Paper Boards, Badrachalam.  
Passed : **First Class (74.3%) in 2001.**  
Duration : August 1997 to April 2001.

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## AREAS OF INTEREST / SPECIALIZATIONS

- ❖ Power Electronics.
- ❖ Power semiconductor Drives.
- ❖ HVDC
- ❖ Control Systems.
- ❖ Analysis of Linear Systems.
- ❖ Advanced Control Systems.

- ❖ Network Theory.
- ❖ Basic Electrical Engineering.
- ❖ Electromagnetic Theory.

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- ❖ Electrical circuits.
  - ❖ Modern control theory.
  - ❖ Power systems.

### TEACHING EXPERIENCE

Name of the Institute/University	Name of the Post	Duration		Teaching/ Research	Salary
		From	To		
St. Johns College of Engineering & Technology, Yemmiganur	Associate Professor & HOD	05/2012	Till to date	Teaching	12000-420-18000
Sreenivasa college of engineering & technology	Associate Professor & HOD	08/2011	05/2012	Teaching	12000-420-18000
Bheema Institute of Technology & Science, Adoni	Associate Professor & HOD	08/2008	05/2011	Teaching	12000-420-18000
St. Johns College of Engineering & Technology, Yemmiganur	Associate Professor	08/2006	08/2008	Teaching	12000-420-18000
St. Johns College of Engineering & Technology, Yemmiganur	Assistant Professor	08/2001	08/2006	Teaching	8000-275-10000
Ratified from JNT University, Kukatpally, Hyderabad.	Assistant Professor	03/2005	Till date	Teaching	8000-275-10000

### RESPONSIBILITIES

- ❖ Worked as Head of Department from 2012 to 2015.
- ❖ Worked as Head of Department from 2008 to 2012
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- ❖ Worked as cove nor for luminous-2k12
- ❖ Worked as in - charge principal and Head of Department from 2011 to 2012.
- ❖ Exam Section Officer in Exam Section from 2005.
- ❖ Department coordinator for Training & Placement cell from 2005.
- ❖ Project co-coordinator for B.Tech & M.E Students.
- ❖ Mini project co-ordinator for B.Tech Students (Industrial Mini Projects).

### LIST OF PUBLICATIONS

#### WORKSHOPS ATTENDED.

- Two Days National Level workshops “**Embedded Systems and Wireless Technologies**” in SJ CET, Yemmiganur.
- Two days National Level Workshops “**Recent Trends in Power Electronics Drives**” in GPREC, Kurnool.
- One day National Level Workshops “**soft computing techniques applications** ” in RCEFW, Kurnool.

- TWO day National Level Workshops “soft computing techniques & Hybrid vehicles ” in GPCET, Kurnool.
- Three day National Level Workshops “Renewable energy , smart grid and microrid “ in GPREC,Kurnool
- TWO day National Level Workshops “smart grid technology adoption in power utilities and intergrating the latest IT-OT trends” in JNTUACEP, YSR District.

#### LIST OF BOOK AUTHORS.

- Power Semiconductor Drives – S.Siva Nagaraju, A.Mallikarjuna Prasad & S. Balasubba Reddy by PHI Private Limited, Publications First Edition 2008 – New Delhi.
- HVDC Systems - S.Siva Nagaraju, A.Mallikarjuna Prasad & S. Balasubba Reddy by Redge, Publications First Edition 2008 – Hyderabad.
- Power Electronics - S.Siva Nagaraju, A.Mallikarjuna Prasad & S. Balasubba Reddy by PHI Private Limited, Publications First Edition 2010, New Delhi.

#### LIST OF NATIONAL AND INTERNATIONAL CONFERENCES

- Mr. A MALLIKARJUNA PRASAD, Assoc. Prof, Dept. of EEE, SJ CET, Yemmiganur, has presented a paper titled “Simulation of ANN based High Step up DC to AC Dual Quasi Z-Source Converter for Distribution Generation Applications”, at an International Conference on **Advanced Electrical Systems and Applications (AES A-2014)**, Organized by Dept. of EEE, G. Pullaiah College of Engineering & Technology, Kurnool, A.P., on 24<sup>th</sup> June 2014.
- Mr. A MALLIKARJUNA PRASAD, Assoc. Prof, Dept. of EEE, SJ CET, Yemmiganur, has presented a paper titled “Photovoltaic Array fed Switched Capacitor Inverter Using Series/Parallel Conversion with minimum number of switches under critical load”an International Conference on **Advanced Electrical Systems and Applications (AES A-2014)**, Organized by Dept. of EEE, G. Pullaiah College of Engineering & Technology, Kurnool, A.P., on 24<sup>th</sup> June 2014.
- Mr. A MALLIKARJUNA PRASAD Presented a paper entitled “A Novel Switched – Capacitor DC-DC Converter with High Voltage Gain & Reduced Component Rating & Count” in the proceedings of the International Conference.
- Mr. A MALLIKARJUNA PRASAD, Presented a paper entitled “Identification of Rotor Flux Based on for IPMSM Sensor less Drive” at National Conference on ‘Advanced Electrical systems & Applications (AES A).
- Mr. A MALLIKARJUNA PRASAD Presented a paper entitled “Fault Allocation in Multilevel cascaded converter statcom’s” at National Conference on ‘Advanced Electrical systems & Applications (AES A).

- Mr. A MALLIKARJUNA PRASAD, Presented a paper entitled “Application of Bi-Directional DC/DC converters in Hybrid Electric Vehicles” at National Conference on ‘Advanced Electrical systems & Applications (AESAs).
- Mr. A MALLIKARJUNA PRASAD, *Assoc. Prof, Dept. of EEE, SJ CET, Yemmiganur*, has published a paper titled “A Fuzzy Logic Controlled DC-DC Converter for an Electrolyzer Application with a Voltage Doubler”, at International Conference on ‘Advanced Electrical systems & Applications (AESAs).

### **LIST OF NATIONAL AND INTERNATIONAL JOURNALS**

- Mr. A MALLIKARJUNA PRASAD, *Assoc. Prof, Dept. of EEE, SJ CET, Yemmiganur*, has published a paper titled “A Fuzzy Logic Controlled DC-DC Converter for an Electrolyzer Application with a Voltage Doubler”, in an International Journal of Research in Engineering & Technology (IJRET), Volume 3, Special Issue 12, June 2014.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “POWER SYSTEM DYNAMIC STABILITY ENHANCEMENT OF SMIB USING PI CONTROLLER BASED POWER SYSTEM STABILIZER -” at IJERT, Vol-2, Issue 11, June- 2014.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “A strategy of high Voltage Gain Switched - Capacitor DC-DC Converter with reduced component Rating and Count Fed DC Drive system” at IJERT, Vol-2, Issue 9, Sept - 2013.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “POWER SYSTEM DYNAMIC STABILITY ENHANCEMENT OF SMIB USING PI CONTROLLER BASED POWER SYSTEM STABILIZER” at IJERT, Vol-2, Issue 9, Sept - 2013.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Fault Allocation in Multilevel Cascaded Converter STATCOM’s” at IJERT, Vol-2, Issue 8, August - 2013.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Simulation of IPMSM Sensorless Drive and Identification of Permanent Magnet Rotor Flux by Extended Kalman Filter” at International journal of Innovative Research in Electrical, Electronics, Instrumentation & Control Engineering (IJIREEICE), Vol-1, Issue 6, Sept - 2013.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Design and control of electric power train by using advanced power electronics interface ” at International organization of scientific research in Electrical, Electronics, Engineering (IOSR), Vol-1, Issue 10, JAN -FEB - 2015.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Design and simulation of 4-phase segmented switched reluctance motor” in International journal of engineering trends in technology science and engineering in (IJRTTSE), Vol-2, Issue 3, SEP - 2014.
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Power quality improvement for DSTATCOM with reduced DC-link voltage & VSI by using

- fuzzy logic controller” in international journal of latest advances in power systems operation and energy management (IJPOSEM), Vol-4, Issue 4, 2014
- Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Review of sensorless control topologies for a four switch inverter fed permanent magnet brushless dc motor ” in international journal of engineering research and applications (IJERA) Vol-3, Issue 5, sep-oct- 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Direct torque control of IM Drive for speed regulator using adaptive controller” in international journal of engineering research and applications (IJERA) Vol-3, Issue 6 nov-dec- 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “simulation of soft switching interleaved boost converter with pv” in international journal of scientific research and education (Ijsae) Vol-2, Issue 3 march- 2014.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “fuzzy controller based seven level modified H-bridge inverter for grid connected PV system ” in international journal of engineering research and applications (IJERA) Vol-3, Issue 5, sep-oct- 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Simulation of IPMSM Sensorless Drive and Identification of Permanent Magnet Rotor Flux by Extended Kalman Filter” at International journal of Innovative Research in Electrical, Electronics, Instrumentation & Control Engineering (IJIREEICE), Vol-1, Issue 6, Sept - 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Simulation of new multilevel inverter topology” in International Journal of Emerging Trends in Electrical and Electronics (IJETEE), Vol. 1, Issue. 1, March-2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Comparison and Simulation of Full Bridge and LCL-T Buck DC-DC Converter Systems” in International Journal of Advanced Electrical and Electronics Engineering (IJAEED), Volume-1, Issue-2, 2012.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Analysis and Simulink Model of Direct AC-DC Converter for Energy Harvesting System” in International Journal of Advanced Electrical and Electronics Engineering (IJAEED), Volume-1, Issue-2, 2012.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “Comparison and Simulation of Full Bridge and LCL-T Buck DC-DC Converter Systems” in The International Journal of Engineering And Science (IJES), Volume- 2, Issue- 1 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “A Novel Soft Switching Lcl-T Buck Dc-Dc Converter System” in International Journal of Modern Engineering Research (IJMER), Vol.3, Issue.1, Jan-Feb. 2013.
  - Mr. A MALLIKARJUNA PRASAD, Published a paper entitled “A New Control Technique of DVR For Mitigating power Quality Problems ” in International Research Journal of Engineering and Technology, (IRJE-0056), Vol.2, Issue.6, Jan-SEP. 2015.ISSN 2395 -0072.

## LIST OF MEMBERSHIPS

- Life membership in ISTE.
- Life membership in IAENGG.
- Editorial Board **member of IJEAEEE.**

## LIST OF REFERERED JOURNAL

The Institution of Engineers (India) acknowledges with thanks the valuable services rendered by MR/MRS MALLIKARJUNA PRASAD towards evaluating the article titled **Optimal Allocation of BSS by Utilizing the Reactive Power Capability in Wind based Distribution Network** submitted for publication in the Institution Journal, which helps in maintaining the good standard of the Journal.

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## AWARDS & SCHOLARSHIPS

- ✓ Best student award at M.E Power Electronics.  
Duration : 2002 to 2004.
  - ✓ Awarded 2 times Merit Scholarship at M.E. Power Electronics.  
Duration : 2002-2004.  
Amount : Rs. 2000/- PA.
  - ✓ Awarded 2<sup>nd</sup> Topper at B.Tech in EEE.  
Duration : 1997 - 2001.
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## ADDRESS

### Permanent

**Dr.A. MALLIKARJUNA PRASAD** M.E. Ph.D  
H. No. 80-58B,  
Krishna Nagar,  
Kurnool -518002.  
Cell :98491 44565

### Present

**Dr.A. MALLIKARJUNA PRASAD** M.E. Ph.D  
Associate Professor & HOD  
Head of the Department (EEE),  
St. Johns College of Engineering & Technology,  
Yemmiganur.

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## DECLARATION

I here declaration that all the information furnished above is true to the best of my knowledge.

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Place : Kurnool.

Date :11-08-2016

**(Dr.A. MALLIKARJUNA PRASAD)**