

CURRICULUM VITAE

M.PADMA LALITHA

Professor & HOD

Electrical & Electronics Engineering

AITs, Rajampet

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Name	Dr. M.Padma Lalitha
Father's Name	Sri M.Krishna Reddy
Date of Birth	04.07.1972
Sex	Female
Marital Status	Married
Address	D.No.9/384(2)A,Yerraballi, Opposite to Mannur Police Station, Rajampet,516 115, A.P., INDIA.

Educational Qualifications

Name of the course	Institute	University/ Board	Year Of passing	Division with %
Ph.D*	Sri Venkateswara University College of Engineering, Tirupati	SVU, Tirupati	2011	----
M.Tech(PSOC)	Sri Venkateswara University College of Engineering, Tirupati	SVU, Tirupati	2002	I Class with Distinction (86.2%)
B.Tech(EEE)	JNTU College of Engineering, Anathpur	JNTU, HYD	1994	I Class with Distinction (72.3%)
Intermediate	Govt. Junior College, Pulivendula	Board of Intermediate	1989	I Class (73.8%)
SSC	ZPH School for Girls, Pulivendula	Board of Secondary Education	1987	I Class (75%)
* Ph.D. Thesis "Soft computing Techniques for Optimal DG Placement in Radial Distribution systems"				

Experience:

Total Teaching Experience : 14 Years

Name of the Institution	Designation	Period
Annamacharya Institute of Technology & Science, Rajampet	Professor & HOD	March 2009 To Till Date
	Associate Professor & HOD	Dec 2005 To March 2009
	Associate Professor	April 2005 To Dec 2005
	Assistant Professor	Oct 1999 To April 2005
KITS, Ramtek, Maharashtra	Lecturer	Mar 1998 To Sep 1999

Administrative Experience :

- Heading the Department of EEE, AITS from Dec, 2005.
- Member of Governing Body of the institute.
- Member of Academic Council of the Institute.
- Chairman, Board of Studies for EEE Department.
- Member of Finance committee of the Institute.
- Faculty Coordinator of Institute Library.
- Member of Discipline Committee of the Institute.
- Convener of Women Empowerment Cell of the Institute.

Responsibilities :

- Heading the Department since 2005
- Led the Department for NAAC Accreditation
- Played key role in getting funds for FDP from AICTE
- Organized three programs for faculty
- Entered MOU's with nearby industries
- Established laboratories (B.Tech & M.Tech) of the Department
- Prepared lab manuals for EEE labs
- Introduced systematic evaluation procedure for external lab exams
- Introduced seminar hour for students
- Motivated staff and students for attending seminars and presenting papers etc.
- Systematized all departmental activities

Achievements :

- Led the Department for NBA Accreditation
- Led the Department for Autonomous status
- Led the Department for NAAC Accreditation
- Organizing Chairman for the NCES-12 A National Level Staff Conference
- Convener & Resource Person for AIPS-an AICTE sponsored FDP

- Convener & Resource Person for AIPS, A National Level FDP
- Convener of Women Empowerment Cell of the Institute
- Technical Program Committee member for First International Online Conference on Computing 2011 (IIOCC 2011), September 23-25, 2011, organized by Masaum Network.
- Chairperson for National Student Seminar EEL-12 organized by JNTUACEP, Pulivendula
- Editorial board member for International Journal of Electrical and Electronics Engineering
- Editorial board member for International Journal of Electrical and Computer Engineering
- Editorial board member for International Journal of Electronics and Communication Engineering
- Review Member for International Journal of Electric Power Components and Systems
- Review Member for International Journal of Electrical Engineering Research
- Organized a program on “Women Rights”. Speaker-Honorable Home minister Smt. P.Sabitha Indrareddy

Subjects Handled

- Graduate Level** : Control Systems, Network Theory, Electro Magnetic Fields, Electromechanics-I, Electrical Circuits, Power Systems II, Analysis Of Linear Systems, Electrical Measurements, Modeling Of Power System Components, Computer Methods In Power Systems, Power System Analysis
- Post-graduate Level** : Power System Stability, Modern Control Theory, System Modeling And Simulation, Electrical Distribution Systems

- Areas of Interest** : Power Systems, Distribution Systems, Distributed Generation, Soft Computing Techniques.

Books Published:

1. “DG Placement using GA and PSO” - Published by LAMBERT Academic Publishing, Germany, ISBN- 978-3-659-159701.

Publications (List enclosed in Annexure-I)

I. Journals

- | | | |
|------------------|---|-----------|
| a) National | : | 01 |
| b) International | : | 17 |

II. Conferences

- | | | |
|-------------|---|-----------|
| a) National | : | 06 |
|-------------|---|-----------|

b) International : 07

Events Organized (List enclosed in Annexure-II)

I. Technical : 09

II. Non-Technical : 09

Professional Body Membership : Member IEEE, Member IEI, Member ISTE,
Member IAENG

Curriculum Development :

- Chairman, Board of Studies for EEE Department of AITS, Rajampet.
- Member, Academic Council of AITS, Rajampet.

Guest Lectures/ Invited Lectures Delivered :

Sl. No.	Title of Lecture	Title of Conference/Seminar	Organized by
1	DG- A new paradigm of power systems	Technical Lecture	IE, Kadapa Local Center
2	Application of Soft-computing to RDS	AIPS- A two day national level staff development program	AITS,Rajampet
3	Key note address	National level student conference EEL 2k12	JNTUACEP,Pulivendula
4	Distributed Generation	Guest Lecture	AITS,Tirupati
5	Distribution system losses	Guest Lecture	MITS,Udayagiri
6	Application of GA & PSO to RDS	AIPS -An AICTE sponsored one week Staff development program	AITS,Rajampet

Seminars /Workshops/Conferences Attended (List enclosed in Annexure-III)

• Workshops : 07

• Conferences : 05

M.Tech Projects Guided : 10

Expertise in Technical Software : PSPICE, MATLAB, associated tool boxes and SIMULINK, Mi-Power, ORACLE , SQL, C,C++, Java

Declaration:

I hereby declare that the information furnished by me is true to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to read "M. Padma Lalitha", is shown within a rectangular grey border.

(M. PADMA LALITHA)

Annexure-I

International Journal Publications:

1. C.Jaganmohan Reddy, **Dr.M.Padma Lalitha** et al “Wind farm to weak-grid connection using UPQC custom power device ” *International Journal of Engineering Research and Applications*(2248-9622), Vol.2, Issue.5, Sep-Oct 2012, pp. 743-750.
2. B.N.Prasad, **Dr.M.Padma Lalitha** et al “Enhancement of transmission system loadability using ordinal optimization method ” *International journal of Engineering & sciences* (278-4721), Vol.1, Issue.4, Oct 2012, pp. 31-40.
3. V.Ravi Theja, **Dr.M.Padma Lalitha** et al “Transmission Cost Allocation Using Distribution Factors for AC Power Flow ” *International Journal of Engineering Research and Applications*(2248-9622), Vol.1, Issue.1, July 2012, pp. 1774-1781.
4. V.Prathap Rao , **Dr.M.Padma Lalitha** et al “Performance of Flexible D-STATCOM as a Flexible Distributed Generation in Mitigating Faults ” *International Journal of Advanced Scientific technical Research* (2249-9954), Vol.2, Issue.4, July-Aug 2012, pp. 75-86.
5. B.Ratheen Kumar Reddy , **Dr.M.Padma Lalitha** , Mr.P.B.Chennaiah “ Modeling and Control of a Variable Speed Wind Turbine Equipped With Permanent Magnet Synchronous Generator” *International Journal of Modern Engineering Research*(2249-6645), Vol.2, Issue.4, July-Aug 2012, pp. 2702-2706.
6. **Mrs.M.Padma Lalitha** , Dr.V.C.Veera Reddy, N.Sivarami Reddy, “DG Source Allocation by Fuzzy and SA for Loss Reduction and Voltage Improvement” *Industrial Engineering Letters* (2224-6096), Vol. 1, No.2, 2011,pp. 54-64.
7. **Mrs.M.Padma Lalitha** , Dr.V.C.Veera Reddy, N.Sivarami Reddy, V.Usha Reddy “DG Source Allocation by Fuzzy and Clonal Selection Algorithm for Minimum Loss in Distribution System” *Distributed Generation And Alternative Energy Journal* (1545-3669), Vol. 26, No.4, Fall 2011,pp. 17-35.
8. **Mrs.M.Padma Lalitha** , Dr.V.C.Veera Reddy, N.Sivarami Reddy, V.Usha Reddy “A Two Stage Methodology for Siting and Sizing of DG for Minimum Loss in Radial Distribution System using RCGA” *International Journal Of Computer Applications* (0975 – 8887) , Vol. 25, Issue2, July 2011,pp. 10-16.Doj- 10.5120/3005-4048.
9. **Mrs. M.Padma Lalitha** , Dr. V.C.Veera Reddy, Prof.N.Sivarami Reddy “Clonal Selection Algorithm for DG Source Allocation For Minimum Loss In Distribution

System” *International Journal Of Computer Science & Emerging Technologies*(2044-6004), Vol. 1, No. 3, Oct 2010, pp. 85-91.

10. **Mrs. M.Padma Lalitha** , Dr. V.C.Veera Reddy, Prof.N.Sivarami Reddy “Optimal DG Placement For Maximum Loss Reduction In Radial Distribution System Using ABC Algorithm” *International Journal Of Reviews in Computing*(2076-3328), Vol. 3, June 2010, pp. 44-52.
11. **Mrs. M.Padma Lalitha** , Dr. V.C.Veera Reddy, V.Usha Reddy “DG Placement For Maximum Loss Reduction In Radial Distribution System: A Two Stage Method” *International Journal Of Integrated Energy Systems*(0975-2978), Vol. 2, No. 2, July-Dec 2010, pp. 105-111.
12. **Mrs. M. Padma Lalitha**, Dr. V.C. Veera Reddy, V.Usha Reddy “Application Of Fuzzy And ABC Algorithm For DG Placement For Minimum Loss In Radial Distribution System” *Iranian Journal of Electrical And Electronics Engineering*(1735-2827), Vol. 6, No. 4, Dec. 2010, pp.248-256.
13. **Mrs. M. Padma Lalitha**, Dr. V.C. Veera Reddy, V.Usha Reddy “Application Of Fuzzy And PSO For DG Placement For Minimum Loss In Radial Distribution System” *Journal Of Engineering And Applied Sciences*(1819-6608),Vol.5,Issue 4, April, 2010.pp.30-37.
14. **Mrs. M. Padma Lalitha** , Dr.V.C. Veera Reddy, V. Usha Reddy “Optimal DG Placement For Minimum Real Power Loss In Radial Distribution Systems Using PSO” *Journal Of Theoretical And Applied Information Technology*(1992-8645), Vol.13, No.2, March 2010, pp.107-116.
15. **Mrs. M.Padma Lalitha** , Dr. V.C. Veera Reddy, Mrs. V. Usha Reddy “Optimal DG Placement Using Fuzzy And Real Coded Genetic Algorithm For Maximum Loss Reduction” *International Journal Of Artificial Intelligence and Computational Research*(0973-1873), Vol. 2, Issue 2,July-Dec 2010, pp. 89-95.
16. **Mrs. M.Padma Lalitha** , Dr. V.C. Veera Reddy, Mrs. V. Usha Reddy “Application Of Fuzzy And RCGA For DG Placement For Maximum Savings In Radial Distribution System” *International Journal Of Emerging Technologies And Applications In Engineering, Technology And Sciences*(0974-3588), Vol. 3, Issue 1,Jan-June 2010, pp. 447-453.

17. **Mrs.M.Padma Lalitha** , Dr.V.C.Veera Reddy, N.Subash Chandra Bose, V.Usha
 “DG Placement Using Fuzzy For Maximum Loss Reduction In Radial Distribution System” *International Journal Of Computer Applications In Engineering, Technology And Sciences*(0974-3596), Vol. 2,Issue1, Oct 09-March 2010,pp. 50-55
18. **Mrs.M.Padma Lalitha** , Dr.V.C.Veera Reddy, N.Subash Chandra Bose, V.Usha
 “Optimal DG Placement For Loss Reduction In Radial Distribution System” *International Journal Of Emerging Technologies And Applications In Engineering, Technology And Sciences* (0974-3588),Vol. 2, Issue 2,July-Dec 2009,pp. 719-723
19. **Mrs. M.Padma Lalitha** , Dr. V.C.Veera Reddy, N.Subash Chandra Bose “Capacitor Placement For Loss Reduction In Radial Distribution System: A Two Stage Approach” *International Journal Of Power Engineering* (0975-380X),Vol.1,No. 1,Jun 2009,pp.1-13.

National Journal Publications:

1. P.Harshavardhan Reddy, **Dr.M.Padma Lalitha**, J.N.Chandrasekhar, “Dynamic improvement of distributed generators connected to distribution network using DSTATCOM” *I Manager’s Journal of Electrical Engineering* (0973-8835), Vol. 5, No.3, 2012,pp. 16-22.

International Conference Publications:

1. Mrs.M.Padma Lalitha, P.Harshavardhan Reddy, J.N.Chandrasekhar, G.V.Marutheeswar “Application of DSTATCOM for Improved Dynamic Performance of DG’s in Distribution Networks” *Proceedings of International Conference ICETT-2012*, ISBN : 978-93-80624-62-4 organized by Baslios Mathews II College of Engineering, Kollam, Kerala, India in Feb,2012.
2. M.Padma Lalitha,V.C. Veera Reddy, N.Sivarami Reddy and K.Sivagangadhar Reddy
 “Application of Fuzzy and ABC Algorithm for DG Placement for Minimum Loss in Radial Distribution System” *Proceedings of International Conference ICSDC-2010* organized by MIT,Manipal19th -22nd August 2010,pp.317-324.
3. M.Padma Lalitha, Dr K.Raghuram, P.Harshavardhan Reddy ,O.Hemakesavulu
 “Transient Stability Comparison of 3 Φ and 6 Φ Systems for grounded unsymmetrical faults” *Proceedings of International Conference ICEESPEEE-2009* organized by SRM University,Chennai,16 -17 April 2009,pp.174-181.

4. M.Padma Lalitha, Dr K.Raghuram, S.Sridhar ,O.Hemakesavulu “Transient Stability Comparison of 3 Φ and 6 Φ Systems for Single And Three pole Switching” *Proceedings of IEEE International Conference TENCON-08* organized by Hyderabad University, Hyderabad, 18-21 Nov 2008, DOI-10.1109/TENCON.2008. 4766430.
5. M.Padma Lalitha,D.Sirisha “Loss Reduction In Radial Distribution System By Capacitor placement: A Two Stage Methodology ” *Proceedings of International Conference PSACO-08* organized by Andhra University,Visakhapatnam,13th-15th March 2008, pp.724-729.
6. Dr. V. C. Veera Reddy, M. Damodar Reddy, Perumal Nallagownden and M. Padma Lalitha, “Loss reduction in distribution systems by optimal capacitor placement”, *Proceedings of the International conference ROVISP-2005*, Malaysia, July 2005, pp. 293-298.

National Conference Publications:

1. B.N.Prasad, **Dr.M.Padma Lalitha**,P.Harshavardhan Reddy “Enhancement of transmission system loadability using ordinal optimization method ” *Proceedings of National Conference On Electrical Science* ISBN: 978-93-81583-72-2 organized by AITS, Rajampet, Sep 7-8,2012.
2. S.Chaitanya, **Dr.M.Padma Lalitha**,O.Hemakesavulu “A New Proposal for Power Quality and Custom Power Improvement: OPEN UPQC ” *Proceedings of National Conference On Electrical Science* ISBN: 978-93-81583-72-2 organized by AITS, Rajampet, Sep 7-8,2012,pp. 94-102.
3. K.Meenendranath Reddy, **Dr.M.Padma Lalitha**,O.Hemakesavulu “Advanced Direct Control of Matrix Converter based Unified Power Flow Controller ” *Proceedings of National Conference On Electrical Science* ISBN: 978-93-81583-72-2 organized by AITS, Rajampet, Sep 7-8,2012,pp. 94-102.
4. M.Padma Lalitha,T.Shobarani “Financial Institutional Support to Women Entrepreneurs in India” *Proceedings of National Conference Entrepreneurship - Catalyst for women Empowerment* organized by YVU, Kadapa, Sep 2010.
5. M.Padma Lalitha,V.C. Veera Reddy, N.Sivarami Reddy and K.Sivagangadhar Reddy “Optimal DG Placement For Maximum Loss Reduction In Radial Distribution System Using ABC Algorithm ” *Proceedings of National Conference CPEDS-2010* organized by Andhra Pradesh,Visakhapatnam,30th -31st May 2010,pp.18-26.

6. M.Padma Lalitha, K.Harinath Reddy, O.Hemakesavulu, "Content- Based Image Retrieval System Using Color Histogram" *Proceedings of National Conference Emerging Trends in Engineering, Technology and Applied Sciences*, organized by MVR College of Engineering, Vijayawada, 12-13 Feb 2010,pp.173-176.
7. M.Padma Lalitha, Dr K.Raghuram, D.Sirisha, "Comparison of Transient Stability for 3 Φ and 6 Φ Systems for DLG Fault " *Proceedings of National Conference EAR-2008* organized by JNTUCE(A), Anantpur, 3rd May 2008,pp.43-47.
8. M.Padma Lalitha, Dr K.Raghuram, K.Kumar, Krishna Reddy.L.V, "Comparison of Transient Stability for 3 Φ and 6 Φ Systems for SLG Fault " *Proceedings of National Conference AECT-2008* organized by MIT, Manipal, 18-19 April 2008,pp.1-6.
9. M. Padma Lalitha, P.Jeevan Prasad Khanna "Loss reduction in distribution systems by capacitor placement", *Proceedings of the National conference RTPS-06*, Organized by Annamalai University, Chennai, Nov 2006, pp. 15-21,
10. M.Padma Lalitha, B.Sujatha "Enhancement of Transient Stability for 6 Φ fault at the beginning of a 3 Φ / 6 Φ Transmission Line " *Proceedings of National Conference NCEEE -2K4* organized by RGM CET, Nandyal, 25th Sep 2004,pp.103-107.

Annexure-II

Technical Events Organized

SL. NO.	Event Name	Discription	Month & Year	Role
1	NCES-12	National Level Staff Conference	7-8 Sep, 2012	Organising Chairman
2	ATM-12	National level student technical symposium	Mar, 2012	Convener
3	ATM-11	National level student technical symposium	Feb, 2011	Convener
4	AIPS	AICTE Sponsored one week SDP	March 3-8, 2010	Convener & Resource person
5	ATM_10	National level student technical symposium	March, 2010	Convener
6	AIPS	Two day seminar for Staff	March, 2009	Convener & Resource person

7	ATM-09	National level student technical symposium	March, 2009	Convener
8	ATM-08	National level student technical symposium	March, 2008	Convener
9	Elefiesta-04	National level student technical symposium	2004	Coordinator

Nontechnical Events Organized

SL. NO.	Event Name	Discription	Month & Year	Role
1	Continued Learning	An awareness program by Ms Geeta Murthy, Head-HR,Suryajyothi Infotech Ltd.Hyd	Sep, 2012	President of the Function
2	Handling Large Teams	An awareness program by Ms Prasanthi Latha, Consultant,TCSHyd	Sep, 2012	President of the Function
3	Building Circle of Influence	An awareness program by Ms Aparna Reddy, HR,Sify Technology	Sep, 2012	President of the Function
4	Continuing to pursue Hobbies and still work happily	An awareness program by Ms Sonia Srikanth, HR,Infotech Ltd	Sep, 2012	President of the Function
5	Challenges faced by women in corporate world	An awareness program by Ms Archana Gupta,Manager,Business Excellence,Taj group of Hotels,AP,TN & Kerala	Aug, 2012	President of the Function
6	Women's Day celebrations	-----	Mar, 2012	President of the Function
7	Women Rights	An awareness program by Honorable Home Minister Smt. P.Sabitha Indrareddy	2011	President of the Function
8	Women's Day celebrations	-----	Mar, 2011	President of the Function
9	Women's Day celebrations	-----	Mar, 2010	President of the Function

Annexure-III

Seminars /Workshops/Conferences Attended

S. N O	Name of the Event	EVENT TYPE	Month & Year	Place	National/ International
1	Smart Grid Technologies Issues and Challenges	IEI sponsored 2 day Workshop	Aug, 2011	SVU, Tirupati	National
2	Design of power electronics converters using embedded systems technology with hands on sessions	AICTE Sponsored 4 days workshop	July, 2011	AITS, Tirupati	National
3	Building An education and research program in power and energy systems	IUCEE Sponsored 1week Faculty Leadership program	June, 2011	MITS, Madanapalli	International
4	Entrepreneurship- Catalyst for women Empowerment	Conference	Sep, 2010	YVU, Kadapa	National
5	Capacity Building workshop for women Managers in Higher Studies	UGC Sponsored 5 Day Workshop	Dec, 2010	SVU College of Engineering , Tirupati	National
6*	Jeevan Vidhya	2-day National level Workshop By IIT, Hyd	Aug, 2009	AITS, Rajampet	National
7	Power Distribution Automation	AICTE Sponsored Seminar	Feb, 2009	Sree Vidyanikethan Engineering College, Tirupati	National
8	TENCON.2008	IEEE Conference	Nov20 08	Hyderabad University, Hyderabad	International
9	PSACO-2008	Conference	Mar, 2008	Andhra University, Visakapatnam,	International
10	DART-2005	3-day National level Workshop	Oct, 2005	JNTUCE, Anantapur.	National
11*	Workshop on Personality Development By Max Excel Academy, Chennai	3-day National level Workshop	2005	AITS, Rajampet	National
12*	Workshop on Personality Development By Prof. Kamalakar	2-day National level Workshop	2005	AITS, Rajampet	National