

A.S.V.VIJAYA LAKSHMI

Residential Address:

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OBJECTIVE:

To acquire a challenging and creative position in an esteemed organization by seeking exposure to latest technologies while making good contributions for further career development.

ACADEMIC QUALIFICATIONS:

S. No	Qualification	Board/University	College/School	Year of passing
1	PhD(Pursuing)	JNTU Kakinada	JNTU Kakinada	---
2	M.Tech (PSCA)	JNTU Kakinada	GVP College of Engineering, Visakapatnam	2010
3	B.Tech (EEE)	JNTU Kakinada	JNTU College of engineering (Autonomous) kakinada	2002
4	Intermediate(M. P.C)	Board of Intermediate Education , AP,Hyderabad	Nalanda Girls Junior College, Vijayawada	1998
5	S.S.C	Board Of Secondary Education, AndhraPradesh	RLY HIGH SCHOOL Guntupalli, Krishna Dt	1996

SKILL SETS:

Programming languages :	Matlab/Simulink
Operating systems :	MS-DOS, WINDOWS-98/XP/7/8/10

TEACHING EXPERIENCE:

S. No	Organization	Exp type	Experience	Designation	Experience	
					Years	Months
1	Avanthi College of Engineering, Narasipatnam	Academic	June-2005 to Nov 2007	Assistant Professor	2	6

2	GVP College of Engineering for Women	Academic	1/7/2009 – till date	Assistant Professor	11	04
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ACADEMIC PROJECT DETAILS :

M.TECH Project

Title : A Fast Hopfield Neural Network approach for online Economic Dispatch of Power System

Team Size : 1 member

Tool Used : Matlab

B.TECH Project

Title : An inward approach in the design of control systems

Team Size : 4 members

Tool Used : Matlab.

SUBJECTS TAUGHT AT UNDERGRADUATE LEVEL

FACTS	Power System Operation and Control
Power Systems-I	Power Systems-II
Electrical machines-III	Electrical Machines-I
Electrical Distribution Systems	Power System Analysis
Control Systems	Electro Magnetic Field Theory
Electrical Technology	Network Analysis
Power Electronics	Power Semi Conductor Drives
UEE	Basic electrical Engineering

SHORT TERM COURSES/FDP's ATTENDED:

1. A Two week FDP on “ Neural Networks ,Fuzzy Systems & their Applications to Electrical Engineering ”, organized by department of EEE GVP College of Engineering Visakhapatnam, during 4th-16th November-2013 .
2. A three day Staff development programme on “ Electromagnetic and RF Fundamentals ”, organized by GVP College of Engineering for Women, 22nd to 24th January-2016 .
3. A short-term course on “ Cyber Physical Systems ” held at IIT-Kanpur, India during 20-24 March-2017 .
4. A one week FDP on “ Introduction to SmartGrid ” conducted by NPTEL-AICTE during August-September 2018
5. One week short term course training program on “ Restructured Power System Modelling and Simulation ”, from 26 th to 31 st August 2019 held at department of

EEE,ANITS.
6. One week unique hands on International online FDP on “ Control Systems Design –From A Beginner To An Expert-1.0 ”, Organized by EEE department GMR Institute of Technology,Rajam, 25 th -30 th May,2020.
7. One Week online National FDP on “ APPLICATIONS OF OPTIMIZATION TECHNIQUES TO ELECTRICAL ENGINEERING ” organized by Department of Electrical and Electronics Engineering, Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam during 22 nd to 26 th June 2020.
8. A Short term training program on “ Automation and Intelligent Control of Electrical Systems -Phase-I ” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College during 3 rd to 8 th August 2020.
9. One Week Short term Course on “ Advances in control system Engineering and Applications ”, organized by department of EEE Sradhar Vallabhbbhai NIT Surat during 23 rd -27 th September 2020.
10. A Short term training program on “ Automation and Intelligent Control of Electrical Systems -Phase-III ” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College during 16 th to 21 st November 2020.
11. A Short term training program on “ Automation and Intelligent Control of Electrical Systems -Phase-IV ” organized by Department of Electrical and Electronics Engineering, Gudlavalleru Engineering College during 15 th to 20 th March 2021.

WORKSHOP

1. A three day workshop on “ <i>Adavanced Digital Signal Processing and Applications</i> ”, during 2 th -4 th July 2011,Oraganised by IIPC, G.V. P. E. W, Visakhapatnam.
2. A two day National Level workshop on “ <i>Wide Area Monitoring and Control of Sustainable Power Systems</i> ”, organized by GITAM UNIVERSITY,Visakhapatnam,24 th -25 th January,2013.
3. A two day International Workshop on “ Trends in Power System protection and Control ”, organized by JNTUK, University College of Engineering Vizianagaram,19-20 th July 2013.
4. Attended a Series of technical talks by Mr David B.Durocher,President IAS,Dr Peter Magyar,and Dr ,Sastry V Vedula conducted in association with IEEE on 13th April 2015 at GVP College of Engineering, Visakhapatnam
5. A two day National Workshop on “ <i>Plannig ,Operation and Control of Microgrid-1</i> ” organized by EEE department of Andhra University,26-27 November,2015.
6. A three day Workshop on “ Lab View-Multisim exposurethrough Integrated Electrical machines& Drive Systems laboratory ”, organized by EEE&ECE department GVP College of Engineering, Visakhapatnam during 24th to 26th June 2016.
7. A two day international Workshop on “ Cyber Physical Systems ” held at IIT-Kanpur,India during 25-26 March-2017
8. A three day national workshop on “ Biological Inspired Computing & Applications(BICA-2018) ”, organized by CSE GVP College of Engineering for Women during 9th -11th March 2018.
9. A two day hands on workshop on “ Metaheuristic Optimization in

Multidisciplinary Research(MOMR-2018), Organized by EEE department AU College of Engineering(A),Andhra University during 26th-27th October-2018.

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ONLINE CERTIFICATION COURSES

1. A course on “**Introduction to smart grid**” conducted by NPTEL-AICTE during **August-September 2018**.

2. A course on “**Power System Engineering**” conducted by NPTEL-AICTE during **January-April 2019**.

PUBLICATIONS

1. Vijaya Lakshmi, A.S.V., Ramalinga Raju M., & Siva Kumar M.(2020). **Design of a robust PID-PSS for an uncertain power system with simplified stability conditions**.*Protection Control Modern Power System*.
<https://doi.org/10.1186/s41601-020-00165-9>. (Scopus and ESCI Indexed).

2. Lakshmi, A.S.V.V., Kumar, M.S. & Raju, M.R.“**Optimal Robust PID-PSS Design for Melioration of Power System Stability Using Search and Rescue Algorithm**”. *Journal of Control, Automation and Electrical Systems* (2021).
<https://doi.org/10.1007/s40313-021-00720-1>. (Scopus Indexed).

B.Tech PROJECTS GUIDED: 7

1.Economic Load Dispatch Using Particle Swarm Optimization Method

2. Low Frequency oscillations damping of a SMIB using STATCOM along with conventional PSS

3. Application of STATCOM to increase Transient Stability of Wind farm

4.Modelling of UPFC for Enhancement of Power System Loadability and Stability

5.Design of Robust PI controller for plant with Parametric Uncertainty

6.Combined Economic Emission Dispatch problem for a Micro grid using JAYA algorithm.

7.Load frequency control of multi-area Power System using Jaya algorithm

8. Robust PI controller design for Interval Plant using Meta-Heuristic Algorithm

PERSONAL DETAILS:

Name	A.S.V.Vijaya Lakshmi
Father's Name	A.Satyanrayana
Sex	Female
Marital status	Married
Date of Birth	25 th May, 1981
Contact numbers	9849605392
Email	vijayalakshmi.asv@gmail.com
Languages known	English and Telugu.

I hereby declare that all the statements made above are correct to the best of my knowledge and belief. I also understand that any discrepancy found in the above information will render me liable for disqualification at any stage.

Place: Visakhapatnam

Date : 07/09/2021.

Yours sincerely,

(A.S.V.Vijaya Lakshmi)