

RESUME



Name: M.GNANAPRAKASH

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Tel: 9976457842.

Permanent Address

M.Gnanaprakash,
S/o G.Murugan,
1.Jayalakshmi Street,
Thayar Ammal Nagar
Panruti - 607106

Personal Data

Date of Birth : 25-03-1987

Age : 31

Gender : Male

Nationality : Indian

Membership

TheIRED, UACEE

Languages Known

Tamil, English
(read , write & speak)

OBJECTIVE

Seeking challenging job where my technical skills can contribute to the organization as well as benefit me.

EDUCATION

- Ph.D (Part – time) Electrical Engineering (Pursuing)
- Master of Engineering (Power System Engineering).

AREAS OF INTEREST

- Power System Engineering.
- Circuit Theory.
- Electrical Drives and Control.

SOFTWARE SKILL

- MI-POWER
- ETAP
- POWER WORLD & MATLAB.

EXTRA CURRICULAR ACTIVITIES

- Active participation in National Service Scheme (NSS) during the year 2003 to 2005
- Active participation and member in YRC.

AWARDS & ACHIEVEMENTS

- International Conference presented in Turkey, Bangladesh and Nepal.
- Awarded by Gold medal in VRS College of engineering for college topper (2005-2009).
- Awarded by Silver medal intwice the time in VRS College of engineering for Academic Performance during the Year 2007 & 2008.
- Best faculty award during the Academic Year 2011 – 2012 in Mahabarathi Engineering College, Chinna salem.

ACADEMIC RECORDS

Qualification	Specialization	Year Of Passing	Name Of the Institution	Board/ University	(%)
S.S.L.C (First Class)	Common	2003	Balavihar Matriculation. Hr.Sec School, Panruti.	Matriculation	72
DIPLOMA (First Class with Honour)	Electrical and Electronics Engineering	2006	AnnaiVelankanni Polytechnic College, Panruti.	Technical Educational Board	87.92
B.E (First Class with Distinction)	Electrical and Electronics Engineering	2009	V.R.S College of Engineering &Techonology, Arasur.	Anna University	78.14 (Gold Medal)
M.E (First Class with Distinction)	Power system engineering	2011	Annamalai University Chidambaram	Annamalai university	8.6 (GPA)
PG DIPLAMO (First Class)	Electrical Energy Management and Energy Auditing	2011	Annamalai University DDE Chidambaram	Annamalai University	78

PROJECT PROFILES

1.B.E

Project Title : Opitmal Efficient Resonant Inverter for increasing lamp life
Guided by : Prof.Dr.S.Sakthivel, Electrical Dept,VRSCET
controller : PIC controller.

2.M.E

Project Title phase 1 : Short-Term Electricity Price Forecasting in a Restructure
Power System Using Neural Network.
Guided by : Prof.Dr.N.Kummarappan,ElectricalDept.Annamalai University
software : MATLAB -Neural Network With LM Algorithm .

Project Title phase 2 : A Noval Temporal Input Based Price Forecasting In A
Restructure Power System Using Neural Network
Guided by : Prof.Dr.N.Kummarappan,ElectricalDept.Annamalai University
software : MATLAB -Neural Network With LM Algorithm .

3. PG Diplamo

Project Title : Electrical Energy Auditing in commercial building vasantham
Towers
Guided by : Prof.Dr.N.Kummarappan,ElectricalDept.Annamalai University

JOURNAL PUBLISHED

1. **Gnanaprakash “A Temporal Input Based Day-Ahead Price Forecasting in Asia’s First Liberalized Electricity Market using GRNN”**Second International Conference on Sustainable Energy and Intelligent System (SEISCON 2011), IET Conferences 2011, pp.42 - 46.
2. **M. Gnanaprakash,I.D. Soubache “A Novel Approach of Economic Load Dispatch Problems Using Atmosphere Clouds Model Optimization Algorithm”** Middle-East Journal of Scientific Research,Vol24 -Issue 3- 2016, pp.829-835.
3. **M.Gnanaprakash, S.P.Mangaiyarkarasi“Voltage Stability Assessment and Enhancement of Distribution System Using Statcom”** Journal of Applied Science and Computations,Vol 6-Issue 3- March-2019, pp.279-289.
4. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi “ Micro Grid Operation Cost Reduction Using Particle Swarm Optimizer and Eagle Strategy “**International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9, Issue VII, July 2021 pp 3090-3096. DOI : <https://doi.org/10.22214/ijraset.2021.37019>, ISSN: 2321-9653.

INTERNATIONAL AND NATIONAL CONFERENCE

INTERNATIONAL CONFERENCE

1. S. Anbazhagan*, N. Kumarappan†, **Gnanaprakash# “A Temporal Input Based Day-Ahead Price Forecasting in Asia’s First Liberalized Electricity Market using GRNN”**Second International Conference on Sustainable Energy and Intelligent System (SEISCON 2011) ,Dr. M.G.R. University, Maduravoyal, Chennai, Tamil Nadu, India. July. 20-22, 2011.
2. **M.Gnanaprakash, V.Kamalanathan, V.Mathavan“ A Novel Temporal Input Based Electricity Price Forcating In Restructure Power System using Neural Networks”** first international conference on Furestic Trends in Electronics Engineering (ICFTEE 2012), Thiruvallur College of Engineering and Techonology, Arunachala City, Vanthavasi, Tamilnadu,India. January- 28&29, 2012.
3. **M.Gnanaprakash, P.Thamizhazhagan, S.Sutha“A Sentational input based fleeting Electricity Price Forcating in Canadian Electricity Market using Neural Network”** second international conference on current trends in engineering and management (ICCTEM-2014), Vidyavardhaka College of Engineering, Mysore, Karnataka, India. 17 – 19 July 2014.
4. **M.Gnanaprakash,” Load Frequency Control of Multi – Area Power System Based on Fuzzy Logic – PID controller Techniques”**4th International Conference on Engineering Technology and Science (ICETS’17) at Muthayammal Engineering Institutions , Rasipuram, Namakkal, Tamilnadu. On 30th& 31st March 2017.
5. **M.Gnanaprakash,” A Cuckoo Search Algoritham for Solving Economic Dispatch Problem with Valve point Effects and Multiple Fuel Options”**4th International Conference on Engineering Technology and Science (ICETS’17) at Muthayammal Engineering Institutions , Rasipuram, Namakkal, Tamilnadu. On 30th& 31st March 2017.

6. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi "Optimal Re-Dispatch of Generator for congestion Management Using PSO"** International Conference on Computing Communication and Drastic Innovations in Energy Trive (IC3DIET-18) at University College of engineering, Panruti, panruti, Tamilnadu on 28thfeb& 1st March 2018.
7. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi "Voltage Stability Assessment and Enhancement of Distribution System Using STATCOM"** International Conference on Computing Information Electronics and Electrical Engineering (ICCIEEE'19) at Idaya Engineering College for Women, Chinnasalem, villupuram, Tamilnadu on 08th March 2019.
8. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi "Optimal Setting of FACTS Devices using BAT Optimization Algorithm for Congestion Management Problem in Deregulated Power System"** International Conference on Research and Developments in Science, Engineering and Technology (ICRDSET – 2021) at St. Anne's College of Engineering and Technology Panruti, Cuddalore, Tamilnadu. On 05th March 2021
9. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi "Multi-Objective Management of A Renewable Micro-Grid With Grid Connected And Island Mode Operations"** International Conference on Sustainable Development in Technology for 4th Industrial Revolution (ICSDTIR-2021) at Port City International University, Chattogram, Bangladesh on March 12-13, 2021.
10. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi " Cost Savings on Micro grid Operations using Grey Wolf Optimization Algorithm"** 1st International Conference on Applied Engineering and Natural Sciences (ICAENS 2021) will be held at Konya Technical University in Konya, Turkey on November 1 - 3, 2021
11. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi " A Cost Effective System of Renewable Micro-Grid Using Glow Worm Swarm Optimization Algorithm"** LEC Web-Based 1st International Conference on Engineering and Technology will be held in Lumbini Engineering, Management and Science College, Tilottama-7, Bhalwari, Rupandehi, Nepal on 4 December 2021.

NATIONAL LEVEL CONFERENCE

1. **M.Gnanaprakash, M.karalmarx " Electricity Price Forecasting Using Neural Networks"** national level student technical conference (NSTC-2012) at SKP Engineering College, Thiruvannamalai, Tamilnadu. 17 March 2012.
2. **M.Gnanaprakash, M.Suman, A.Jeevanatham " Electricity Price Forecasting in Restructured Power System Using Neural Network"** first National Conference on electrical systems (NCES-12) at RVS college of engineering and technology, kannampalayam, Coimbatore, Tamilnadu. 21-22 march 2012.
3. **M.Gnanaprakash, "A Novel Approach of Economic Load Dispatch Problem Using ACMO Algorithm"** National Conference on Renewable Power Generation (NCRPG'16) at SreeSastha Institute of Engineering and Tecnology, poonamalle, Chennai, Tamilnadu, on 04 March 2016.

WORKSHOPS

1. **Embedded System Design – "ESD 11"** at RVS college of engineering and technology, Coimbatore on 29 July 2011.

2. **Application of MATLAB/SIMULINK to Electrical Engineering**, at Dr.S.J.S Paul Memorial College of Engineering and Technology, Puducherry on 30 January 2012.
3. **Neural Networks & its Applications Using Matlab – “WONMAT’13”** at University college of engineering panruti on 09 Oct 2013.
4. **Intelligent Methodologies in Electrical Engineering Application** at St.Annescollege of engineering and technology on 19 & 20 Sep 2014.
5. **Emerging Challenges in the operation and control of solar power plants (ECOCSP’18)**, Faculty of Engineering & Technology (FEAT) & Center for Renewable Energy (CRE) at Annamali University on 24th & 25th March 2018
6. **“Arduino – IOT Technology”** Industrial Webinar by Vision Automation Solutions with Madsaur University, Madhya Pradesh on Friday 28 May 2021 *participating id : VAS/21/WB-234*

FACULTY DEVELOPMENT PROGRAM

1. M.Gnanaprakash **“EE6201 – CIRCUIT THEORY”** Center for Faculty Development, Anna University Chennai, at University College of Engineering, Panruti on 09th Dec 2015 to 15th Dec 2015.
2. M.Gnanaprakash **“Scilab”** One Week National Faculty Development Program and Online Training by Prakasam Engineering College, Kandukur In association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India on 04th June 2020 to 10th June 2020.
3. M.Gnanaprakash **“Explore Electrical Engineering in Industrial Application”** by Manakula Vinayagar Institute of Technology, Puducherry from 15/06/2020 to 19/06/2020
4. M.Gnanaprakash **“Clean and Sustainable energy”** by Yoganatha College of Engineering & Technology, Jammu, Jammu & Kashmir, in Collaboration with Institutes Innovation Council (ICC) from 25/06/2020 to 28/06/2020.
5. M.Gnanaprakash **“Emerging Trends in Electrical Engineering (ETEE-2020)”** Kavikulguru Institute of Technology and Science, Ramtek, Nagpur and Internal Quality Assurance Cell (IQAC) from 02/07/2020 to 04/07/2020.
6. M.Gnanaprakash **“Hands on Training on MATLAB and Advanced Optimization Techniques”** Six days AICTE Sponsored Online Short Term Training Programme held at Department of Mechanical Engineering, Government College of Engineering, Bargur during 21st-26th December 2020.

Book Chapters

1. **M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi “Block outs in the powersystemworld– A Comprehensive case study”** book chapter entitled Intelligent Technologies in Science, Engineering and Management, Krishna Printing Press, Gujarat pp 13-25, 2021. (ISBN : 978-93-90627-09-7)

Online Course

1. M.Gnanaprakash **“Introduction to Smart Grid”** IIT Roorkee, from NPTEL IIT madras from 29-07-2019 to 20-09-2019 (8 weeks).
2. M.Gnanaprakash **“Big Data Analytics for Smart Grid”** National Institute of Technical Training and Research, Chandigarh, Annual Refresher Programme in Teaching (ARPIT) swayam from 01-09-2019 to 31-10-2019 (8 weeks).

TEACHING EXPERIANCE

Name & address of the Institution/ Organization	Post held	Period of service		Duration	
		From	To	Year	Month
Mahabarathi Engineering College (MBEC), Chinna Salem.	Lecturer	20.6.2011	23.12.2012	1	6
University College of Engineering Panruti. (UCEP), Panruti.	Teaching Fellow	24.12.2012	TILL DATE	9	0
TOTAL				10	06

CO-CURRICULAR ACTIVITIES

In-Plant Training:

- Auro-tech Transformer, Sidco Industrial Estate, Semmandalam, Cuddalore. During the period of 1.06.2005 to 7.6.2005
- 250 Mw Lignite Fired Power Plant ST-CMS Electric Co. Pvd. Ltd, Uthangal, Viruthachalam. During the period of 16.6.2008 to 21.06.2008.

Seminars:

Active participation in various National, State & District Level Seminars in the topic of

- Trend and issues in signal processing research in annamalai university on 20 & 21 march 2010.
- “Energy and environmental problems facing the third world and their provable solution” by Dr.D.P.kothari in annamalai university on 13 sep 2010.
- Congestion management and restructured power system in annamalai university on 12 & 13 march 2011.
- “Renewable Energy – Energy of the Future” in Krishnasamy Memorial Polytechnic College On 18 Aug 2005.
- YRC District Level Orientation Program in AVPT College On 27 Feb 2006
- Attend 3 day Personality Development Program in VIT ,Vellore.
- Attend many one day program arranged by our department in control system, Grid system ,SCADA & PLC

DECLARATION

I hereby declare that all the above furnished details are true to the best of my knowledge.

Place: Panruti.

Yours truly,

Date: 31-12-2021

(M.Gnanaprakash)