

FACULTY PROFILE

Name : Maharaja. K
Designation : Assistant Professor
Email ID : maharaja.eee@srit.org



Area of Specialization : Renewable Energy Sources and
Microgrid

Total Experience : 3 years 8 months Academic : 3 years 8 months

Educational Qualification:

Degree	Branch / Specialization	College	University
M.E.	Power Systems Engineering	Sona College of Technology, Salem, Tamilnadu, India,	Anna University, Chennai.
B.E.	Electrical and Electronics Engineering	Sri Ramakrishna Institute of Technology, Coimbatore, Tamilnadu, India	Anna University, Chennai.

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology, Coimbatore, Tamilnadu, India	Assistant Professor	01.06.2013	Till date	2 years 8months
2	Sri Ramakrishna Institute of Technology, Coimbatore, Tamilnadu, India	Lecturer	01.06.2012	31.05.2013	1 Year
Total (as on Feb 2016)					3 Years 8 Months

Consultancy Work:

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
1	Micromax Systems, Trichy, Tamilnadu	Working Team Member of R&D Project titled "Development of Steam Leak Detection System for Power Boilers"	Grant Amount 2 Lakh	From Academic Year 2013-2014

Publications :

Journals :

1. K. Maharaja, P. Pradeep Balaji, K. Natrajan and S. Sangeetha, "Solar PV FED Current Pumped Battery Charger" Middle-East Journal of Scientific Research, Volume 23, Issue 9, pp. 2270-2277, 2015.
2. K. Maharaja, R. Joseph Xavier, L. Jenifer Amla and P. Pradeep Balaji "Intensity Based Dual Axis Solar Tracking System", International Journal of Applied Engineering Research Volume 10, Number 8 (2015), pp. 19457-19465, 2015.
3. K.Maharaja, S.Sangeetha and K.Mareeswari "Sizing of Solar PV Power Plant in Stand-Alone Operation", International Journal of Engineering Research & Technology, Vol. 3 Issue 6, 2014.
4. M. Senthil Kumar, P. Renuga and K. Maharaja, "Optimal Location and Rating of Thyristor Controlled Series Capacitor for Enhancement of Voltage Stability using Fast Voltage Stability index Approach", International Journal of Computer Applications, Volume 16, Number 10, Pages 19-26, 2012.

International Conferences:

1. Ms.S. Sangeetha, Mr.K.Maharaja and Mr. P. Pradeep Balaji, "Power Quality Improvement of Grid Connected Wind Energy Conversion System Using Facts Controllers", International Conference on Electrical, Instrumentation & Communication Engineering Recent Trends and Research Issues, Sri Krishna College of Technology, Coimbatore, 2015.
2. K. Maharaja, M. Senthil Kumar and P. Renuga "Impact of Fast Voltage Stability Index Approach using Bacterial Foraging Algorithm for Voltage Stability Improvement and Loss Minimization", International Conference on Computing and Communication Technology, 2012.
3. K. Maharaja, M. Senthil Kumar and P. Renuga, "Application of FVSI for Voltage Stability Improvement and Loss Minimization using BFA", Innovation Power System Engineering and Soft Computing, Sona College of Technology, Salem, 2012.

- M. Senthil Kumar, P. Renuga and K. Maharaja, "Application of Unified Power Flow Controller for Voltage Stability Improvement and Loss Minimization using Fast Voltage Stability Index Approach", IEEE International Conference on Computational Intelligence and Computing Research, Pages 35-39, Cape Institute of Technology, Kanyakumari, 2012.

National Conferences:

- Mr.K.Maharaja, Ms.S. Sangeetha, Mr. Modigari Narendra and Mr. P. Pradeep Balaji "Development of Android Application for Solar PV System Design", National Conference on Recent Trends in Power Engineering (for Research Scholar), IIT Madras, 2015.

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern./ National)
1	Workshop on "Embedded System"	27 th February, 2016	National
2	Workshop on "Power Quality Issues in Industrial Environment"	4 th September, 2015	National
3	Workshop on "Control Systems"	2 nd to 12 th December 2014	National
4	Hands on training on "Simulation and Analysis of Power Systems using ETAP"	2 nd December 2013	National
4	Faculty Development Programme on "Advanced Control Strategies and Applications"	13 th to 26 th May 2013	National

Seminar, Conference, Workshop Attended:

S.NO.	Organizing Institution	Venue	Title	Date(s)
1	IIT Madras, 2015.	IIT Madras, 2015.	National Conference on Recent Trends in Power Engineering (for Research Scholar)	29 th and 30 th December 2015
2	KLN College of Engineering, Sivaganagai.	KLN College of Engineering, Sivaganagai.	Workshop on "Smart Grid"	22 nd and 23 rd January 2016
3	PSG College of Technology, Coimbatore.	PSG College of Technology, Coimbatore.	Workshop on "Modelling and simulation of power systems in Microgrid environment"	14 th October 2015

4	VIT Chennai.	VIT Chennai Campus	Workshop on “Solar PV Systems”	19 th and 20 th September, 2015
5	Central Power Research Institute, Bangalore.	Central Power Research Institute, Bangalore.	Workshop on “ Smart Grid and Renewable Energy Sources”	8 th and 9 th January 2015
6	PSG College of Technology, Coimbatore.	PSG College of Technology, Coimbatore.	Power System Protection and Switch gear	23 rd to 29 th June 2014
7	Breakthrough Coimbatore (Project of Sports Outreach).	Breakthrough Coimbatore (Project of Sports Outreach).	Programme on “Project Planning”	13 th to 15 th January 2014
8	Sri Ramakrishna Institute of Technology, Coimbatore.	Sri Ramakrishna Institute of Technology, Coimbatore.	National Seminar on “Soft Computing Techniques for Engineering Applications”,	10 th and 11 th October 2013
9	Lead India 2020, Coimbatore.	Lead India 2020, Coimbatore.	Programme on “Individual Development Leads to National Development”	5 th to 9 th August 2013
10	Amrita Vishwa Vidyapeetham University, Coimbatore	Amrita Vishwa Vidyapeetham University, Coimbatore.	Modelling and Simulation of Power System Components	8 th to 11 th July 2013
11	Sri Ramakrishna Institute of Technology, Coimbatore.	Sri Ramakrishna Institute of Technology, Coimbatore.	Advanced Control Strategies and Applications	13 th to 26 th March 2013
12	Sri Ramakrishna Institute of Technology, Coimbatore.	Sri Ramakrishna Institute of Technology, Coimbatore.	Workshop on “Graphical System Design Using LabVIEW”,	19 th and 20 th February 2013
13	Kathir College of Engineering, Coimbatore.	Kathir College of Engineering, Coimbatore.	National Workshop on “Renewable Energy Technologies”	14 th to 20 th December 2012
14	IEEE Madras Section at Chennai	Anna University, Chennai.	Technical Workshop on “Smart Grid”	25 th and 26 th August 2012.
15	PSG College of Technology, Coimbatore.	PSG College of Technology, Coimbatore.	National Seminar on “Renewable Energy Systems”	7 th and 8 th December 2012

Guest Lectures Delivered:

Topic	Institution / Venue	Date(s)
Energy Conservation	National Service Scheme Camp at Konavaikanpalayam, Coimbatore	27.03.2015
Maintenances of Electrical Appliances	National Service Scheme Camp at Kalampalayam, Coimbatore.	22.02.2014

Contributions to the Institution, Department and Society:

- EEE Department Association In-charge for the academic years 2014-15 & 2015-16.
- Hostel Deputy Warden for the academic years 2012-13 to 2015-16.
- Main Coordinator to set up Solar Laboratory in EEE Department.
- Solar Lab in-charge for the academic years 2014-15 & 2015-16.
- Engineering Practices Laboratory in-charge for the academic years 2013-14 & 2014-15.
- Department library in-charge for the academic years 2012-13 to 2014-15.
- Tutor of 2011-15 batch for the academic year 2014-15.
- Active Executive committee member in SRIT Alumni Association.