


## FACULTY PROFILE

1	Name of Faculty	BINDUMOL E K			
2	Designation	Assistant Professor			
3	Department	Electrical & Electronics Engineering			
4	Contact No.	9447865430			
5	Email	bindhu.ek@gmail.com			
6	Academic Qualifications				
	Degree	Year	Branch/Area of Specialization	Institution	
	PhD Submitted	2017	Power System	CUSAT	
	M.Tech.	1996	Microwave & Radar Electronics	CUSAT	
	B.Tech.	1994	Electrical & Electronics Engg	MACE, Kothamangalam	
7	Professional Experience				
	Period Served	Name of institution	Designation		
	07.10.1996	30.04.1997	Vocational Lecturer in MRDA, GVHSC, Trikaripur, Kasaragod		
	14.07.1997	08.01.1998	Sub Engineer, World Bank project Division, Brahmapuram		
	01.06.1998	11.11.1999	Lecturer, NIT, Calicut		
	12.11.1999	Govt. Engg. College, Thrissur	Lecturer		
	01.01.2006	Govt. Engg. College, Thrissur	Assistant Professor		
	05.03.2011	Govt. Engg. College, Thrissur	Associate Professor(CAS)		
8	Publications (List is attached)				
	Journal			3	
	International Conference			12	
	National Conference			3	
9	No. of STTPs attended from 2012				15
10	Membership in professional Bodies				ISTE

11	No. of M.Tech. projects guiding/guided from 2012	Guided	Guiding
		7	NIL
	No. of PhD Scholars guiding	Nil	
12	Field of interest	Distributed Generation, Power Quality, CPD	
13	Additional Responsibilities	<ul style="list-style-type: none"> <li>➤ Group Tutor</li> <li>➤ KTU joint coordinator</li> <li>➤ Dept. Series Test Co-ordinator</li> <li>➤ Internal Audit Cell Member</li> <li>➤ Lab-in-Charge</li> <li>➤ Remedial Class co-ordinator</li> <li style="color: red;"><u>2016-17 (GEC, Wayanad)</u></li> <li>➤ College level series test co-ordinator</li> <li>➤ College level KTU Co-ordinator</li> <li>➤ Hostel RT</li> <li>➤ Hostel committee member</li> <li>➤ Group Tutor</li> <li>➤ Lab-in-charge</li> <li>➤ IIC Member</li> <li>➤ Discipline Committee member</li> </ul>	

## LIST OF INTERNATIONAL JOURNALS/CONFERENCES/NATIONAL CONFERENCES

### DETAILS OF INTERNATIONAL/NATIONAL CONFERENCE

Name of publication/paper presentation	Details of journals/publications	Date & year paper presentation & Co-Auther	Is On-line available? (Yes/No)
<b>2010</b>			
D-Statcom Impact on Voltage Dip Mitigation at Wind farms and Distribution Systems	<i>Proceedings of the Third National Power Engineering Conference</i>	2-3 Dec 2010, Page No.141-146 Shereena Gaffoor	No

2011			
Voltage Dip Mitigation At Distribution Systems And Wind Farms With DVR	<i>Second National Conference on Emerging Trends in Power Systems and Energy Management</i>	15 January, 2011, Page No. 39-43  Shereena Gaffoor	No
Voltage Dip mitigation at distribution with facts devices	<i>National Conference on Emerging Trends in Engineering and Technology</i>	25-26, February 2011, Page No. 20  Shereena Gaffoor	No
2013			
Voltage quality improvement by DVR in normal distribution and wind connected systems under different faults	<i>International Conference on Advances in Recent Technologies in Electrical &amp; Electronics</i>	September 2013  pp. 363-371  Dr. Babu C A	Yes
Voltage Stability analysis in a radial distribution system using PSCAD and MATLAB	<i>International Conference on Intelligent and Efficient Electrical Systems</i>	pp.8-13, December 2013 Dr. Babu C A	No
Power Quality Improvement in Railway Traction Using Railway Power Quality Conditioner	<i>Proceedings of International Conference on Materials for the Future - Innovative Materials, Processes, Products and Applications</i>	pp. 509-512, 2013 John Jacob	Yes
Impact of D-STATCOM on voltage sag in normal distribution and wind connected systems under different faults	<i>International Conference on Advances in Energy Conversion Technologies</i>	pp. 215-220, January 2014 Dr. Babu C A	Yes
Performance improvement of multiple feeders in wind integrated distribution systems using SSTS	<i>International conference on Electrical, Electronics, computer science and Mathematics physical education and Management</i>	pp. 27-32, May 2014 Dr. Babu C A	Yes

A simple and fast load flow algorithm for sizing and placement of DG in radial distribution system	<i>International Conference on Electrical, Electronics, Signals, Communication and Optimization</i>	pp.1-6, January 2015 Dr. Babu C A	Yes
A Hybrid Photovoltaic and Battery Energy Storage System with P-Q and V-f Control Strategies in Microgrid	<i>International Conference on Power, Instrumentation, Control and Computing</i>	pp. 1-6, 9-11, Dec 2015 Dr. Babu C A	Yes
Voltage Stability Enhancement Of Radial Distribution System By Optimal Placement Of DG and D-STATCOM	<i>International Conference on Soft Computing Techniques in Engineering and Technology</i>	2016 Meenu Jayamohan, Dr. Babu C A	Yes
<i>Identification of Weakest Node in Radial Distribution System Using Fast Voltage Stability Index</i>	International Conference on Emerging in Trends in Smart Grid Technology	21-23 April 2016 <b><i>Drisya K. P., Meenu Jayamohan and Dr. Babu C. A</i></b>	Yes
Improved BFSa for computation of power loss and voltage profile in radial distribution system	<i>International Conference on Electrical, Electronics, and Optimization Techniques</i>	2016 Meenu Jayamohan, Drisya K. P. and Dr. C A Babu	Yes
Impact of D-STATCOM on voltage stability in Radial Distribution System	IEEE International Conference on Energy, Communication, Data Analytics and Soft Computing	2017 Dr. Babu C A	Yes
Voltage stability enhancement of radial distribution system using optimum size of D-STATCOM	IEEE Int. conf. on Electrical, Electronics, Computers, Commn., Mechanical and Computing	2018 Dr. Babu C A	Yes

INTERNATIONAL JOURNAL			
<i>Identification of Weakest Node in Radial Distribution System Using Fast Voltage Stability Index</i>	International Journal of Innovative Research in Science, Engg.and Technology	124-130, Vol 5, Spl. Issue 5, April 2016 <b>Drisya K. P., Meenu Jayamohan and Dr. Babu C. A</b>	Yes
A novel analytical approach for sizing and placement of DG in radial distribution system	Int. Journal Energy Technology and Policy	Vol. 13, pp. 90-106, Nos.1 / 2. 2017	Yes
Analytical and sensitivity approaches for the sizing and placement of single DG in radial system	Advances in Energy Research	Vol. 4, No. 2, pp. 163-176,2016	Yes

### LIST OF STTP'S ATTENDED

2012					
Sl No	Name of Course	Period		No. of days	Name of institution
1	Recent Advancements in power electronics	26.11.12	30.11.12	5	GEC, Thrissur
2	FDP on Product Engg.	22.2.12		1	TCS, Kochi
3	Emerging trends in automobiles and emission control systems	1.3.12	3.3.12	3	GEC, Thrissur
2013					
4	Development of Smart power grids	29.1.13	31.1.13	3	Engg. Staff College of India, Hyderabad

5	Quality Engg. And Mgt.- Tools and Techniques	11.3.13	16.3.13	6	GEC, Thrissur
6	Matlab and Simulink and Latex for Engineers	15.4.13	19.4.13	5	GEC, Thrissur
7	Tex based Applications	25.4.13	27.4.13	3	GEC, Thrissur
8	Controllers for Mgt. of renewable energy sources	14.5.13	20.5.13	7	GCE, Bargur
<b>2014</b>					
9	Soft Computing techniques in research	12.2.14	14.2.14	3	GEC, Thrissur
10	Power system control using power electronics	16.6.14	21.6.14	6	Jyothi Engg. College, Thrissur
<b>2015</b>					
11	Modelling and control in power electronics	14.7.15	17.7.15	4	GEC, Thrissur
<b>2016</b>					
12	Energy Audit	17.10.16	19.10.16	3	GEC, Thrissur
13	Wind Emulator	3.2.16	5.2.16	3	GEC, Thrissur
<b>2017</b>					
14	Building private cloud using free software tools	20.6.17	24.6.17	5	GEC, Thrissur
15	Control Systems: Theory and Applications	4.12.17	8.12.17	5	GEC, Thrissur

## LIST OF M.Tech. PROJECTS GUIDED

Sl No	Name of Course	Period	Name of student
1	Voltage dip mitigation at windfarms and distribution systems with FACTS devices	2010	Shereena Gaffoor
2	Implementation of DVR and D-STATCOM for improvement of voltage in Distribution system	2012	Resmi M S
3	A novel scheme for power quality improvement in railway traction using railway power quality conditioner	2013	John Jacob
4	Hysteresis control based grid interconnected inverter with renewable energy sources for improving power quality	2014	Abhilash D
5	Hybrid photo-voltaic and battery energy storage system with P-Q and V-f control strategies in microgrid	2015	Indu V
6	Voltage stability enhancement of a DG integrated radial distribution system by the optimal placement of D-STATCOM	2016	Meenu Jayamohan
7	Power loss minimization by optimal placement of D-STATCOM in radial distribution system	2016-	K P Drisya