

FACULTY PROFILE

Name : **Dr. Suresh. H. Jangamshetti**



Designation : **Professor & HOD**
Department : **Electrical and Electronics Engineering**
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Orcid ID : **0000-0002-0889-5721**

Scopus ID : **6507093112**

Vidwan Id : **125101**

Researcher ID (Web of Science) : **E-2006-2011**

Google Scholar ID : **wY9_15YAAAAJ&hl**

Qualification : **Ph.D**

Professional Experience

Teaching experience : **36**

Industry experience : **--**

Administrative Responsibilities : **Head of the Department, Dean R&D**

Teaching :

No. of Projects Guided

UG : **80**

PG : **50**

Research : **--**

Interest Area : *** Wind Energy Conversion * Solar Energy Conversion * Energy Auditing & Demand Side Management * Energy Conversion System-I * Energy Conversion System-II * Business Communication and Technical Writing – * Computer Applications to Power Systems * Renewable Energy Sources**

* Basic Electrical Engineering * Object Oriented Programming with C++
 * Electrical Drawing & CAD * Energy Auditing & Demand Side Management * High Voltage Engineering * Constitution of India & Professional Ethics.-

No. of Research Scholars

Pursuing : 4

Awarded : 7

Patents : Submitted

A Multidirectional Conical Collector Solar Water Heater [120/CHE/2014]
 Method of controlled battery charging for Micro Wind Generators [121/CHE/2014]

Research Grants

1. **Rs. 60.20 lakhs** from KCTU (joint venture of GoI & GoK) for setting up Solar PV Module Testing, Training, Installation, Certification and R&D center [Ref.: No.KCTU/R&D/BEC/Solar PV/06/2018-19 dtd.15.9.2018 (PI)]
2. **Rs. 27 lakhs** from TEQIP-II (Technical Education Quality Improvement Program), a World Bank scheme for establishment of phase-2 of SCADA for distribution automation laboratory for PG studies and Research activities (2012-14) (PI)
3. **Rs.0.40 lakhs** from VGST Technology Related Innovative Project (TRIP) for the project “Conical Collector Solar Water Heater for Rural Application”, 2012 [Ref.: No.VGST/TRIP/2012-13/242 dtd. 22.12.2012]
4. **Rs. 40 lakhs KFIST grant** under K-FIST Level-II from Vision Group on Science and Technology, Dept of IT, BT & ST, Govt of Karnataka, Bangalore for establishing Renewable Energy (2010-11) and SCADA for distribution automation (2011-12) Laboratories to support PG studies. [Ref.: No.VGST/P-15/K-FIST/ Level-2/2010-11/753, dated 21.03.2011] (PI)
5. **Rs. 16.60 lakhs research grant** from All Indian Council for Technical Education, New Delhi for the project titled “Development of FPGA-DSP based controller for three level Inverter for Grid Connection of Wind Turbine Generators”. 2008-09. (PI) [Ref.: F.No:8023/BOR/RID/rps-67/2007-08 dtd.05.03.2008]
6. **Rs. 8.00 lakhs research grant** from Technical Education Quality Improvement Program (TEQIP), a World Bank scheme for development of Wind Data Logger using Wireless Transmission. 2006-07
7. **Rs. 0.20 lakhs project development grant** from Technical Education Quality Improvement Program (TEQIP), a World Bank scheme for development of a new type solar water heater – “**Conical Collector Solar Water Heater**” – 2005-06.
8. **Rs. 0.255 lakhs project development grant** from Karnataka State Council for Science and Technology (KSCST), IISc. Bangalore for:
 - (i) Rs.0.04 lakhs Maximum Power Point Tracking system using Boost Converter. 2006 [Ref.: 7.1.03/SPP/S&E/965 dtd.19.02.2007]
 - (ii) Rs.0.04 lakhs Microcontroller based DC Energy Meter. 2006 [Ref.: 7.1.03/SPP/B&S/08 dtd.15.02.2006]
 - (iii) Rs.0.05 lakhs Conical Collector Solar Water Heater. 2006 [Ref.: 7.1.03/SPP/B&S/08 dtd.15.02.2006]
 - (iv) Rs.0.055 lakhs Monitoring of Wind Velocity using Wireless Transmitter Module. 2006 [Ref.: 7.1.03/SPP/B&S/08 dtd.15.02.2006]
 - (v) Rs.0.07 lakhs MPPT Microcontroller based Solar Tracking System. 2006 [Ref.: 7.1.03/SPP/B&S/08 dtd.15.02.2006]
9. **Rs. 10.00 lakhs grant from Ministry of New and Renewable Energy Sources, Govt. of India, New Delhi through KREDL Bangalore** to set up “District Level Renewable Energy Park” at BEC Campus – 2005.

KRED/07/EnergyPark/2005/2234 dtd.2.12.2005 Financial Sanction:
IFD/San/106/512/2005-06 dt.31.10.2005

Publications
Books/Chapters

1. Basanagouda F Ronad, **Suresh H Jangamshetti**, *Optimum Sizing of SPV Irrigation Systems based on Field Conditions*, LAP LAMBERT Academic Publishing, ISBN 978-3-659-76258-1, ISBN-10: 365976258X, EAN: 9783659762581, 28 Aug 2018
2. **Suresh H Jangamshetti**, Rau, V.G., *Optimum Site Matching of Wind Turbine Generators*, LAP LAMBERT Academic Publishing, ISBN 978-613-9-90768-7, ISBN-10: 6139907683, EAN: 9786139907687, 26 Sep 2018
3. G Suchitra, **Suresh H Jangamshetti**, *Reliability and Economic Viability of Wind-SPV Hybrid Systems*, LAP LAMBERT Academic Publishing, ISBN-13: 978-620-0-58713-8, ISBN-10: 6200587132, EAN: 9786200587138, 26 Feb 2020

Journals (with citations)

1. Goudappanavar, Sangamesh Y., Jangamshetti, Suresh H., "High Tension Voltage Reduction Based Power Flow Analysis of Radial Distribution System." *International Journal of Science, Technology, Engineering and Management-A VTU Publication 2*, no.2, 8-13 June 2020.
2. Joshi Sourabha, Basanagouda F. Ronad, Suresh H. Jangamshetti, "Mathematical Modeling for Performance Prediction of SPV Powered DC Irrigation Systems", *Journal of Test Engineering and Management*, ISSN:0193-4120, Vol.82, pp 9000-9006, Jan-Feb 2020
3. Sangamesh, Y. Goudappanavar, Suresh H. Jangamshetti and Pallavi Hosamath, "Optimal Sizing and Placement of μ -WTG in μ Grid based on Loss Estimation", *Journal of Information and Computational Science*, ISSN:15487741, Vol.12 Issue 6, pp.34-40, Dec.2019
4. Shivappa V. Sobarad, Suresh H. Jangamshetti. "A Novel Methodology for Short Term Wind Speed Forecasting Using Combined Error Minimization Model", *International Journal of Engineering Sciences and Management VTU-IJESM - 2019*. Vol: 1, No: 1, pp: 8-14
5. Vani Nadoni, Basanagouda F Ronad, Suresh H. Jangamshetti, "Critical Design of SPV AC Lighting Systems—A Case Study at Energy Park, BEC[A], BGK", *International Journal of Scientific & Engineering Research*, ISSN 2229-5518, Vol 9, Issue 7, **July 2018**, pp.-2050-2052
6. Raichal Rani, Basanagouda F Ronad, Suresh H Jangamshetti, "Development and Testing of SPV Powered 1HP AC Water Pumping System", *International Journal of Scientific & Engineering Research*, ISSN 2229-5518, Vol 9, Issue 7, **July 2018**, pp.-2045-2049
7. Mukta S. Annigeri., and **Jangamshetti S. H.**, "Techno-economic Assessment of Hybrid Energy System for Electrification of a Farmhouse in North Karnataka, India", *Journal of Energy Technology Research (JETR)*, 1,1,doi:10.22496, pp.19-27, **Dec 2016**
8. Basanagouda F Ronad, Suresh H Jangamshetti, "Identification of Suitable Method for Crop Water Assessment by Estimating Evapotranspiration-A Case Study", *International Journal of Agriculture Sciences*, ISSN: 0975-3710, Volume 8, Issue 48, pp.2020-2023, **Dec 2016**
9. Basanagouda F Ronad, Suresh H Jangamshetti, "Optimum Sizing of SPV Powered DC Irrigation Pumps based on Field Conditions", *International Journal of Scientific and Engineering Research*, ISSN-2229-5518, Vol 7, Issue 10, pp.1738-1742, **Oct 2016**
10. Shivappa Sobarad, **Jangamshetti S. H.**, and Shwetha Bajantri.,

- “Wind Speed Forecasting based on Time Series Analysis, Wavelet Analysis and Garch Analysis”, International Journal of Advance Research in Engineering, Science & Technology (IJAREST), Volume 3, Issue 6, pp.356-361, **June-2016**
11. Shivappa Sobarad, **Jangamshetti S. H.**, and Priya Bilebavi., “Wind Speed Forecasting Based on Neural Network and Least Mean Square Method”, International Journal of Advance Research in Engineering, Science & Technology (IJAREST), Volume 3, Issue 6, pp.300-307, **June-2016**
 12. Girishkumar Malagond, Basanagouda F. Ronad, Suresh H. Jangamshetti, “Design and Development of Data Logger for Standalone SPV Systems”, International Journal of Emerging Technology and Advanced Engineering, ISSN: 2250-2459, Volume 5, Issue 5, pp.162-166, **May 2015**
 13. Asma., Naik, R. L., and **Jangamshetti, S. H.**, “Implementation of Space Vector Pulse Width Modulation using Arduino”, International Journal of Science and Research (IJSR), Vol.3, Issue.7, pp.1706-1710, July **2014**.
 14. Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Voltage Control and Stability Enhancement using UPFC”, Renewable Energy & Power Quality Journal, ISBN:978-84-616-8196-9, No.12, pp.448.1-484.5, April 2014
 15. Veereshkumar G.M., Ronad B.F., and **Jangamshetti, S. H.**, “Review on Comparison of FACTS Controllers for Power System Stability Enhancement”, International Journal of Scientific and Research Publications (IJSRP), Vol.3, Issue.3, pp.1-4, March **2013**.
 16. Mandar Katti., Ajay Hegade., and **Jangamshetti, S. H.**, “Modeling Of Autorecloser For Smart Grid”, International Journal of Modern Engineering Research (IJMER), Vol. 2, Issue. 5, pp-3172-3177, Sep.-Oct. 2012.
 17. Banakar Basavaraj, Ronad Basangouda, **Jangamshetti S. H.**, “Transmission Loss Minimization using UPFC”, International Journal of Modern Engineering Research (IJMER), Vol. 2, Issue. 5, pp- 3602-3606, Sep.-Oct. 2012.
 18. Sangamesh, Y. G., Suchitra, G., and **Jangamshetti, S. H.** “Performance Assessment of 2500 TCD Cogeneration Plant”, International Journal of Scientific & Engineering Research (IJSER), Volume 3, Issue 5, pp. 1-6, May-2012.
 19. Naik, R.L., **Jangamshetti, S.H.**, “Effect of Coefficient of Performance for Estimation of Optimum Wind Turbine Generator Parameters”, International Journal Energy Science (IJES), Vol. 2 Iss. 5, pp. 195-200, Oct. 2012.
 20. Rudresh Magadum., and **Jangamshetti, S.H.**, “Fuzzy Logic Solution for Unit Commitment”, International Journal of Scientific and Engineering Research (IJSER) - (ISSN 2229-5518), Volume 3, Issue 4, April 2012.
 21. Rahul G, S., Joshi, D.R., and **Jangamshetti, S.H.**, “PSO and P&O based MPPT Technique for SPV Panel under Varying Atmospheric Conditions”, International Journal of Engineering and Innovative Technology (IJEIT) (ISSN: 2277-3754), Volume 1, Issue 3, pp.1-5, pp. 110-115, March **2012**.
 22. Mallikarjuna G. D., R. L. Naik, and **Suresh H. Jangamshetti**, “Space Vector Modulation Technique for Three Level Diode Clamped Inverter”, IJPE, 4:1 (2012): 13-24
 23. Ronad.B.F, Naik.R.L, Jangamshetti, S.H, “A Novel Method to Eliminate Negative Time Period of SVPWM using TMS320F2812”,

- International conference on renewable energy and power quality (ICREPQ-11), Spain, 13th to 15th April, **2011**, e-Journal
24. Naik, Shivaga., and **Jangamshetti, S.H.**, "Environmental Modeling of Multi-junction Solar Cells", International Journal on Electronic and Electrical Engineering (IJEEE), ISSN 0974-2042, Vol.04, Issue No. 01, pp 42-53, Oct-Dec **2010**. International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT) 2011, pp. 174-179, 23-24 March 2011.
 25. Naik, R.L., **Jangamshetti, S.H.**, "A Critical Study of Modulation Techniques for Three Level Diode Clamped Voltage Source Inverter for Grid Connection of WECS", International Journal on Electronic and Electrical Engineering (IJEEE), ISSN 0974-2042, Vol 13, Issue No 01, pp 28-33, Sep-Oct **2010**.
 26. Joshi, D.R., and **Jangamshetti, S.H.**, "A Novel Method to Estimate the O&M Costs for the Financial Planning of the Wind Power Projects Based on Wind Speed-A Case Study", **Energy Conversion, IEEE Transaction on**, Vol 25, No.1, pp 161-167, Mar **2010**.
 27. Byalihal Shankar, and **Jangamshetti, S.H.**, "Genetic Algorithm based Optimal Location FACTS Controllers in a Transmission System", International Journal on Electronic and Electrical Engineering (IJEEE), ISSN 0974-2042, Vol 09, Issue No 03, pp. 1-8, Dec-Feb **2010**.
 28. Byalihal Shankar, and **Jangamshetti, S.H.**, "Genetic Algorithm based Optimal Location and Rating of Capacitors in a Distribution System – A Case Study", International Journal on Electronic and Electrical Engineering (IJEEE), Vol. 07, No. 11, pp 57-66, Sep–Nov 2009.
 29. Naik, R.L., **Jangamshetti, S.H.**, Udaykumar, R.Y., "Multilevel Inverter for Photovoltaic Power Supply System" International Journal on Electronic and Electrical Engineering (IJEEE), Vol. 05, No. 07, pp 42-51, Jun-Aug **2009**.
 30. Byalihal Shankar, and **Jangamshetti, S.H.**, "FACTS Controllers to Improve Voltage Profile and Enhancement of Line Loadability in EHV Long Transmission Lines by Genetic Algorithms ", International Journal on Electronic and Electrical Engineering (IJEEE), Vol. 03, No. 04., pp 01-11, Mar-May **2009**.
 31. Ashwathanarayanappa, J., and **Jangamshetti, S.H.**, "A Fast Converging Lagrangian Relaxation Method to Solve Unit Commitment Problem", International Journal on Electronics & Electrical Engineering (IJEEE), Vol. 02., No. 2., pp.34-45, **Nov 2008 – Jan 09**.
 32. **Jangamshetti, S.H.**, and Rau, V.G.,: "Normalized Power Curves as a Tool for Identification of Optimum Wind Turbine Generator Parameters", **Energy Conversion, IEEE Transaction on** , Vol.16 No.3, pp. 283 -288, Sept. **2001**.
 33. **Jangamshetti, S.H.**, and Rau, V.G.,: "Optimum Siting of Wind Turbine Generators", **Energy Conversion, IEEE Transaction on** , Vol.16, No.1 , March **2001**, pp. 8 -13.
 34. **Jangamshetti, S.H.**, and Rau, V.G.,: "Site Matching of Wind Turbine Generators: A Case Study", **Energy Conversion, IEEE Transaction on**, Vol.14, No.4, December **1999**, pp.1537-1547
 35. **Jangamshetti, S.H.**, and Rau, V.G.,: "Height Extrapolation of Capacity Factors for Wind Turbine Generators", **IEEE Power Engineering Letters (IEEE PES Review)**, vol.19, No.6, Jun **1999**, pp.48-49.

36. **Jangamshetti, S.H.**, Durgaprasad, G., and Rau, V.G., et.al: “Optimum Compensation to Improve Line Loadability”, **Electric System Power Research**, Vol.20, December **1990**, pp.73-80

Conferences

1. Sangamesh Y. Goudappanavar and Suresh H. Jangamshetti, “Stochastic Power Flow Analysis of Unbalanced Distribution System based on Cluster of SWTG-SPV”, IEEE PhD Colloquium on Ethically Driven Innovation & Technology for Society (EDITS), Bengaluru, 8 Nov 2020.
2. Preeti Kagale, Suresh H. Jangamshetti, “Development and Testing of IoT based Monitoring Interface for Solar Box Cooker”, Proceedings of 1st IEEE Bangalore Humanitarian Technology Conference, Vijayapura, 8-10 Oct 2020, pp.24-27.
3. Ambika Jatagonda, Basanagouda F Ronad and Suresh H Jangamshetti, “Optimal Sizing of Hybrid Electric Renewable Energy Systems using HOMER-Pro”, 3rd International Conference Electrical, Electronics, Communication, Computers and Optimization Techniques (ICECCOT-2018), 14th-15th Dec **2018**, pp.-561-565
4. Sangamesh Y. Goudappanavar, Suresh H. Jangamshetti and Rubinabegum H. Yadahalli, “Design and Modelling of Droop Control for Small Wind Turbine in Microgrid”, International Conference on Small Wind Turbine, NIWE, MNRE, Chennai, 10-12 Dec. **2018**
5. Maruti Naik, Basanagouda F Ronad, Suresh H Jangamshetti, “Performance Analysis of Directly Coupled Solar Photovoltaic Powered Irrigation Pumps”, IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 **July 2018**.
6. Shivaleela Konnur, Basanagouda F Ronad, Suresh H Jangamshetti, “Design and Implementation of the MPPT for 1 HP SPV Powered DC Irrigation Pump”, IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 **July 2018**
7. Vidyashree Hulyal, Basanagouda F Ronad, Suresh H Jangamshetti, “An Effective Simulation Model for Performance Prediction of SPV Powered DC Irrigation Systems-A Case Study for Validation”, ISBN:978-1-5386-3242-0, IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 September 2017 at Mysuru, India, pp.-
8. Varsha S. Atur, Sangamesh Y. Goudappanavar, Dr. Suresh H. Jangamshetti, “Novel Control Algorithm for Storage System for Small Wind Turbine Generator”, IEEE-ICTCEEC, Mysore, 8-9 Sep.2017
9. Vaishali Biradar, Basanagouda F Ronad, Suresh H Jangamshetti, “Development, Testing and Performance Analysis of SPV Powered 0.5HP AC Water Pumping System”, ISBN:978-1-5386- 3242-0, IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 September 2017 at Mysuru, India
10. Mukta Bannur, Jangamshetti Suresh H., “Assessment of Solar Potential for Solar PV Applications in Vijayapura, Karnataka India”, Proceedings of IEEE International Conference SCOPES-16, Odisha, India, DOI: 10.2316/P.2013.800-107, **3-5 Oct 2016**
11. Jangamshetti, D. S., Jangamshetti Suresh H., “Design, Implementation and Testing of Theft and Maintenance Monitoring of Batteries of Stand-

- alone SPV systems”, Proceedings of 4th International Conference on Renewable Energy Research and Applications (ICRERA) 2015, **22-25 Nov 2015**, Palermo, Italy, pp.393-396
12. Basangouda F Ronad, Jangamshetti Suresh H., “Optimal Cost analysis of Wind-Solar Hybrid System Powered AC and DC Irrigation Pumps using HOMER”, 978-1-4799-9982-8/15/\$31.00 ©2015 IEEE, Proceedings of 4th International Conference on Renewable Energy Research and Applications (ICRERA) 2015, **22-25 Nov 2015**, Palermo, Italy, pp.1038-1042.
 13. Naik R. L., Jangamshetti Suresh. H., “Weighted Total Harmonic Distortion and Power Quality Analysis of Space Vector Modulated Voltage Source Inverters for WECS ”, presented at International Conference on Research in Electrical, Electronics & Mechanical Engineering (ICREEME) on **26th April, 2014** at Dehradun, India, ISBN: 978-93-84209-11-7
 14. Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Voltage Control and Stability Enhancement using UPFC”, International Conference on Renewable Energy and Power Quality-14, Renewable Energy & Power Quality Journal, ISSN:2172-038X, No.12, April 2014, ISBN:978-84-616-8196-9, Spain, pp-.671-675.
 15. Naik Raghuram L, Jangamshetti Suresh H., “Control Strategy for Current Controlled Generator Side Converter Based Power Factor Conditioner for Variable Speed Wind Energy Conversion System”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-049. DOI: 10.2316/P.2013.800-049
 16. Suchitra G, Jangamshetti Suresh H., “Selection of Wind Turbine Generator Based on Reliability and Economic Viability - A Case Study”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-057. DOI: 10.2316/P.2013.800-057
 17. Basangouda F Ronad, Jangamshetti Suresh H., “A Novel method to determine optimum HP rating of Irrigation Pump Based on Water Requirement of Crop”, International Conference on Power and Energy Systems, AsiaPES-2013, ISBN: 978-0-88986-959-2, **April 10-12, 2013**, Phuket, Thailand, April 10-13, 2013, pp.-320-325.
 18. Shivappa Sobarad, Jangamshetti Suresh H., “Effect of Volume of Historical data on Short term Wind Speed Forecasting Accuracy using Time Series Analysis”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-110. DOI: 10.2316/P.2013.800-110
 19. Mukta Bannur, Jangamshetti Suresh H., “Assessment of Economic Viability of Stand Alone Solar PV System to Electrify Agrifarm House –A Case Study”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-107. DOI: 10.2316/P.2013.800-107
 20. Sangamesh G, Naik Raghuram L., Jangamshetti Suresh H., “Simple Control Strategy for UPF Power Conditioner of GSC connected to Wind Turbine”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-060. DOI: 10.2316/P.2013.800-060
 21. Jyoti Nimbale, Jangamshetti Suresh H., “Performance Evaluations of PS-600 kW Wind Turbine”, presented at IASTED Asia PES-2013, **April 10-12, 2013**, Phuket Thailand. Paper Id 800-022. DOI: 10.2316/P.2013.800-022
 22. Ankit Vohra., Sai Ravichandra., Jangamshetti, S.H., “Optimal Sizing of Distributed Generation System Using Bacterial Foraging Algorithm” Proceedings of the 6th National Conference; INDIACOM-2012, New Delhi, **February 23 – 24, 2012**.

23. Jyoti Nimbale, Naik, R.L., Jangamshetti, S.H., "Wind Data Analysis: A Case Study" Proceedings of 2nd International Conference on Electric Power, Signals, Control & Computation, (EPSICON 2012), Thrissur, Kerala India; **January 3-6 2012.**
24. Shweta Dolli., **Jangamshetti, S.H.**, "Modeling and Optimal Placement of Voltage Regulator for Radial System" Proceedings of 2nd International Conference on Electric Power, Signals, Control & Computation, (EPSICON 2012), Thrissur, Kerala India; **January 3-6 2012.**
25. Rahul S., Joshi, D. R., **Jangamshetti, S.H.**, "PSO and P&O based MPPT Technique for SPV Panel under Varying Atmospheric Conditions" Proceedings of 2nd International Conference on Electric Power, Signals, Control & Computation, (EPSICON 2012), Thrissur, Kerala India; **3-6 Jan 2012.**
26. Naik, Shivaga., **Jangamshetti, S.H.**, "Modeling and Analysis of Multi-junction Solar Cells", Proceedings of 2011 International Conference on Emerging Trends in Electrical and Computer Technology, (ICETECT-2011) **23-24 March 2011.**
27. Kolli, Suvarna, B., **Jangamshetti, S.H.**, "A Novel Model for Pricing Reactive Power in Deregulated Market", Proceedings of 2011 International Conference on Emerging Trends in Electrical and Computer Technology, (ICETECT-2011) **23-24 March 2011.**
28. Naik, R.L., **Jangamshetti, S.H.**, "A Critical Study of Modulation Techniques for Three Level Diode Clamped Voltage Source Inverter for Grid Connection of WECS", Proceedings of 1st International Conference on Electrical Energy Systems (ICEES'2011), SSNCE, Chennai **Jan 3-5, 2011.**
29. Satpute, Uttam., Joshi, D. R., **Jangamshetti, S.H.**, "Feasibility Study of Fractional Frequency Transmission System" Proceedings of IEEE PEDES-2010 and POWER INDIA CONFERENCE New Delhi, **Dec 21-23, 2010.**
30. Lakshmi, G.K., Raghuprakash, N., **Jangamshetti, S.H.**, "Development of an Integrated and Networked Digital Metering System for AC Power Distribution", Proceedings of the IASTED International Conference on Power and Energy Systems (AsiaPES2010), Phuket, Thailand, **Nov 24-26, 2010**, pp 210-215.
31. Hemamala, B.R., Jayashree, B., **Jangamshetti, S.H.**, "**Design, Fabrication and Testing of Transformer Static Differential Relay Circuit with Harmonic Blocking**", Proceedings of the IASTED International Conference on Power and Energy Systems (AsiaPES2010), Phuket, Thailand, **Nov 24-26, 2010**, pp 203-209.
32. Satpute, Uttam., Joshi, D. R., **Jangamshetti, S.H.**, "Transient Stability Study of Fractional Frequency Transmission System" Proceedings of International Conference ICN-2010 REC Bhalki, **Nov 22-23, 2010.**
33. Sobarad, S.V., Matur, M.S., **Jangamshetti, S.H.**, "Case Study of Load and Wind Speed Forecasting based on Time Series Analysis", Proceedings of International Conference on Advances in Renewable Energy (ICARE 2010), MANIT Bhopal, **Jun 26-29, 2010.**
34. Kajal, K.P., Naik, R.L., **Jangamshetti, S.H.**, "Simulation and critical comparison of two level and three level voltage source inverter for WECS", Proceedings of 1st International Conference on Advances in Energy Conversion Technologies (ICAECT 2010), Manipal, **Jan 07-10, 2010**, pp 366-371.
35. Sunita Tambakad, Doddamani, S. S., and **Jangamshetti, S.H.**, "Identification of Optimum Turbine Parameters for Low Wind Speed Regimes", Proceedings of the IASTED International Conference on

- Modeling, Simulation and Identification (MSI 2009), Beijing, China, **October 12-14, 2009**, pp 638-151.
36. Doddamani, S.S., and **Jangamshetti, S.H.**, “Economic Index for Selection of Wind Turbine Generator at a Site”, 1st IEEE International Conference on Sustainable Energy Technologies, 2008, ICSET 2008, 24-27 Nov. **2008** Page(s): 622 – 627. **(Listed in IEEE Explore)**.
 37. Badami, R.L., and **Jangamshetti, S.H.**, “PC Based Wireless Wind Data Analyzed”, Sustainable Energy Technologies, 2008. ICSET 2008. IEEE International Conference on 24-27 Nov. **2008** Page(s): 474 - 477. **(Listed in IEEE Explore)**.
 38. Suchitra, G., and **Jangamshetti, S.H.**, “Reliability of Wind Turbines in North Karnataka - A Case Study”, Sustainable Energy Technologies, **2008**. ICSET 2008. IEEE International Conference on 24-27 Nov. 2008 Page(s): 478 - 482. **(Listed in IEEE Explore)**.
 39. Byalihal Shankar, and **Jangamshetti, S.H.**, “FACTS Controllers to Improve Voltage Profile and Enhancement of Line Loadability in EHV Long Transmission Lines”, Power System Technology and IEEE Power India Conference, 2008. POWERCON 2008. Joint International Conference on 12-15 Oct. **2008** Page(s): 1 - 5. **(Listed in IEEE Explore)**.
 40. Joshi, D.R., and **Jangamshetti, S.H.**, “A new method to estimate the O&M costs for the financial planning of the wind power projects based on wind speed”, Information and Communication Technology in Electrical Sciences (ICTES 2007), 2007. ICTES. IET-UK International Conference on 20-22 Dec. **2007** Page(s): 45 – 49. **(Listed in IEEE Explore)**.
 41. Joshi, D. R., and **Jangamshetti, S. H.**, “Wind Site Risk Index for Indian Wind Sites”, Proceedings of Recent Advancements and Applications of Computer in electrical Engineering, Bikaner, International Conference, India, Vol 2, 24-25 March **2007**, pp 1398-1402.
 42. Jangamshetti, S.H., Rau, V.G., “Identification of Wind Turbine Speed Characteristics for Wind Sites”, **Proceedings, 5th World Wind Energy Conference**, New Delhi, 6-8 Nov **2006**.
 43. **Jangamshetti, S.H.**, Rau, V.G., “Wind Speed Data Analysis: A New Approach”, **Proceedings, 5th World Wind Energy Conference**, New Delhi, 6-8 Nov **2006**.
 44. **Jangamshetti, S.H.**, Naik, R.L., “Dynamic Simulation Model of Wind Energy Conversion Systems”, **Proceedings, 5th World Wind Energy Conference**, New Delhi, 6-8 Nov **2006**.
 45. **Jangamshetti, S.H.**, Rau, V.G., and Joshi, D.R., “Ranking of Wind Power Sites”, **Proceedings, 4th World Wind Energy Conference**, Melbourne, Australia, November 2-5, **2005**.
 46. **Jangamshetti, S.H.**, Jangamshetti, D.S., Anami, B.S.: “Theory and Practice of Microprocessor Based Relays in Power System Education”, **Proceedings of 3rd International Symposium on Electricity Distribution and Energy Management-93**, Singapore, Vol.2, October **1993**, pp.630-634.

Technical Papers Presented in National Conferences:

1. Basavaraj Banakar., “Overview of Captive Power Plant in Steel Industry”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
2. Priyanka Mankale., “Operation of Diesel Power Plant”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and

- Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
3. Vinuta Koluragi., “Implementation of SCADA in KPTCL”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 4. Sangmesh Y G., Suchitra, G., and Jangamshetti, S. H. “Performance assessment of 2500 TCD Cogen Plant”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 5. Santosh Kandagal., “On Load Tap Changer Fault Diagnosis of 100 MVA Transformer at 220/110 kV Receiving Station”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 6. Naveen T S., “Contingency Analysis of a Transmission system using Matpower package”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 7. Rajeshwari N., “Solar panels for consumer applications”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 8. Sandhya N., “Load forecasting”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 9. Linganagouda., “Pspice based Performance Analysis of 3-ph Induction Motor”, Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
 10. Nanda, T., Srinath, K.N., **Jangamshetti, S.H.**, “Development of Universal Plug and Play Module for Reactive Power Compensation with PWM Controller”, Proceedings of the National Conference on Renewable Energy Systems, BMS CE, Bangalore Feb 18-19, **2011**.
 11. Joshi, D.R., and **Jangamshetti, S.H.**, “Siting of DG in Distribution Network for Improved Performance”, Proceedings, National System Conference, MIT Manipal, 14-15 Dec **2007**, pp 154-157.
 12. **Jangamshetti, S.H.**, Injaganeri, S.S., and Wali Mahantappa., “Industry Institution Interaction: A need for the hour”, Proceedings of IV annual Karnataka State ISTE convention, BEC Bagalkot, November **2001**.
 13. **Jangamshetti, S.H.**, and Rau, V.G.: “Ranking of Wind Power Sites in India”, Proceedings of National Seminar on Wind Engineering (NSWE-99), IIT Kharagpur, December **1999**, pp.24-32
 14. **Jangamshetti, S.H.**, Jangamshetti, D.S., Injaganeri, S.S., Girmallikarjuna, J.: “Need for Effective Delivery Methods to Illustrate Concepts in Engineering Education”, **Proceedings, 23rd ISTE Annual Convention**, KREC Suratkal, December **1993**.

Invited Talks

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1. Chief Guest and Key note speaker on “Modern Power Systems – Road Ahead” and Expert lecture on “Wind Energy Conversion -Role of Wind Data Analysis” on 15.11.2019 at during inauguration of AICTE STTP on “Control of Power Electronic Converters for Smart Power Systems” held from 15-20 July 2019 at NMAM Institute of Technology, Nitte, Udupi (45)
2. Keynote talk on “Energy – Past, Present and Future” during one day

- seminar on Wind & Solar PV Systems – Sustainable technologies of Future at SKSVMA CET Lakshmeshwar on 27.04.2018 (85)
3. Guest speaker during one day technical seminar on “Wind and SPV systems – sustainable energy technologies for future” organized by SGBIT Belagavi on 16.04.2018. Title of topic – Past, Present and Future of Renewable Energy Resources. (65)
 4. Guest speaker during BEC-IEEE technical sponsored one day seminar on “Wind & Solar PV Systems – Sustainable technologies of Future”, organized by GNDEC Bidar on 19.03.2018. Title of the seminar ‘Past, Present and Future of Renewable Energy Resources’. (80)
 5. Guest speaker on “Renewable Energy Scenario and Solar PV System Design”, during one day EEED-Colloquim on 17.03.2018 at SECAB College of Engineering and Technology, Vijayapura. (70)
 6. Chief Guest and Keynote Speaker during 2 weeks AICTE FDP on “Renewable Energy Sources: Past Present and Future” organized by ME dept of AMGI, Vathar, Kolhapur on 5th & 6th Feb 2018 (45)
 7. Invited talk on (a) Simulation and Modeling of Wind Data for Site Matching of Wind Turbine Generators on 4th Dec 2017 and (b) Solar PV System Design for Low Voltage Applications on 5th Dec 2017, during AICTE sponsored FDP on Advanced control system design for Power and Energy Applications held from 23rd Nov to 7th Dec 2017. FDP was organized by E&EE dept., MIT Manipal
 8. Invited talk on ‘MATLAB for Wind Energy Conversion Systems’ on 2nd Dec 2017 during AICTE sponsored two weeks FDP on Application of MatLab/Simulation in control and Power & Energy Engineering organized by BLDEAs CET Vijayapura from 19th Nov to 2nd Dec 2017
 9. Invited talk on “SCADA representation in BEC campus” on 20th Jun 2017 for Bosch-Rexroth interns (30)
 10. Invited talk on “Wind Data Analysis and Site Matching of WTG” and “SPV System Design”, at SIT Tumakuru on 5th & 6th Jan 2017. Participants (60) – faculty members and students from different colleges.
 11. Invited talk on “Application of Solar Energy in Domestic Sector”, at Rotary Club Bagalkot on 31st Aug 2016. Participants (40) – members of Rotary District 3170.
 12. Guest lecture on “Use of Solar Energy Devices”, at District Agriculture Training Center on 28th May 2016. Participants (25) – Officials from Bagalkot taluka.
 13. Guest lecture on “Use of Solar Energy Devices”, at District Agriculture Training Center on 17th May 2016. Participants (50) – Men & Women from different villages in Bagalkot Taluka. They visited BEC-Renewable Energy Park on 18th May at 8:00am
 14. Guest lecture on “Use of Solar Energy Devices”, at District Agriculture Training Center on 11th May 2016. Participants (35) – Women from Timmapur village in Hunagund Taluka of Bagalkot District. They visited BEC-Renewable Energy Park on 12th May at 8:00am.
 15. Guest lecture on “Use of Solar Energy Devices”, at District Agriculture Training Center on 5th May 2016. Participants (31) – Women from Hunagund Taluka of Bagalkot District. They visited BEC-Renewable Energy Park on 6th May at 8:00am.
 16. Resource person during “Wind Energy Resource Assessment Forum 2016” organized by WindInsider & InfraEdge Bengaluru on 18th to 19th Feb 2016.
 17. Resource person and Session Chair during National Conference on “Make in India” organized by SGBIT Belagavi on 5th to 6th Feb 2016.
 18. Guest of Honor and Resource Person for 2days FDP on “Sustainable

- Energies: An Inter-Disciplinary Research Perspective” organized by NIEIT Mysore on 22-23 Jan 2016.
19. Chief Guest for inauguration of “Energy Conservation Day” and invited talk on “Energy Conservation”, organized by Institution of Engineers, Dharwad Chapter on 15th Dec 2015.
 20. Invited talk on “SCADA Representation in Academic Campuses”, during 3-days National Workshop on ‘Big Data Analytics using HADOOP’, organized by ISE Dept 8-10 Jul 2015
 21. Invited talk on “System Representation in Academic Campuses”, during 2-days National Symposium on ‘Sustainable Energy Technologies for Academic Campuses’, BEC-EEED from 5-6 Jun 2015
 22. Conducted FDP on “Renewable Energy Sources and Emerging Technologies in Solar Energy Conversion” on 11th April 2015 during inauguration of ‘Technovision2015’ at Dr.SSSSMS College of Engineering
 23. Invited talk on “SCADA Implementation in Education Campuses – A Case Study of BEC Bagalkot”, during 3-days National Workshop on ‘Smart Grid Technologies – Vision, Maintenance and Control’, organized by EEED, PESU IT from 5-7 Mar 2015
 24. Chief Guest and Keynote address on “Role of Power Electronics in Integration of Renewables to Grid”, and invited talk on “Wind Energy Conversion Systems and Optimization”, during 3-days National Workshop on ‘Emerging Technologies and its Applications in Power Electronics’, organized by EEED, AISSMS CE Pune from 27-28 Feb 2015
 25. Chief Guest and Keynote address on “Research – Idea Generation, Technical Publication, Proposal Writing Resource Generation”, during 2-days workshop on ‘Research Trends in Electrical Engineering Sciences at SSIT Tumkur organized by Department of TCE from 10-11 Nov 2014
 26. Presentation on “Sustainable Technologies at BEC campus” on 7th Nov 2014 at IISc Bangalore during 2-days workshop on ‘Sustainable Technologies in Educational Campuses’ organized by IEEE-SSIT-ES joint chapter from 7-8 Nov 2014
 27. Invited talk on “Solar Energy Applications in Agriculture Sector” on 4th Sep 2014 at Bagalkot District Agriculture Training Center. The talk was attended by 30 farmers from Hunagund taluk.
 28. Invited talk on "Wind Data Representation and Analysis" and “Site Matching of Wind Turbines” on 22nd July 2014 during Six days STC on “*Emerging R&D on Wind Energy Conversion – Present and Future Challenges*” from 14th to 15th, July 2014, organized under TEQIP-II by EEED BEC Bagalkot.
 29. Invited talk on "SPV System Design for Low Voltage Applications" on 15th July 2014 during Two days FDP on “*Grid Tied and Stand Alone Wind/PV Energy Systems*” from 14th to 15th, July 2014, organized by EEED VVIET Mysore.
 30. Invited talk on “Solar Energy Applications in Agriculture Sector” on 21st June 2014 at Bagalkot District Agriculture Training Center. The talk was attended by 30 farmers from Jamakhandi taluk.
 31. Invited talk on "Wind Data Analysis for Optimum Site Matching of Wind Turbine Generators - An End-to-End approach" on 10th May 2014 during TEQIP-II sponsored one week National Workshop on “*Distributed Generation and Power Quality*” (DGPQ2014) from June 9th to June 13th, 2014, organized by EEED NIE Mysore.
 32. Invited talk on “SPV System Design for Low Voltage Applications” on 15th Mar 2014 during 2-Day National Workshop on ‘Emerging

- Technologies in PV Systems (ETPVS-2014)' organized by Dept. of E & E Engg., PES Institute of Technology Bangalore from 14th to 15th Mar 2014.
33. Invited talk on "Economics of Energy Management Systems" and "ECO in Domestic Sector – A case study" on 20th Jan 2014 at RVCE Bangalore during 5 days workshop on "Energy Conservation, Management and Audit" from 20th to 25th January 2014.
 34. Invited talk on "Involving students, faculty and facility for fostering sustainable approach to innovations" on 30th Jan 2014, during two days National Workshop on 'Sustainable Innovation – an end-to-end approach' held from 29-30 Jan 2014 at BEC Bagalkot.
 35. Technical talk on "MatLab Programming – M files", at BEC Bagalkot, during 2 days workshop organized by Department of E&EE. 4th Dec 2013 under TEQIP-II. Number of participants: 40 students and teachers
 36. Invited Technical talk on "Multi-Junction Solar Cells – Modeling and Simulation", at BEC Bagalkot, during 3 days FDP organized by Department of Physics. 19th Dec 2013 under TEQIP-II. Number of participants: 45 students and teachers
 37. Seminar on "Innovative Smart Grid Technologies – Experience Sharing for ISGT 2013", at BEC Bagalkot, organized by EEEA. 4th Dec 2013. Number of participants: 40 students and teachers.
 38. Invited Technical talk on "Solar Energy Devices and their Applications", at Rani Channamma University, Belgaum, organized by department of Geography. 30th Oct 2013. Number of participants: 100 students and teachers
 39. Invited Technical talk on "Solar Energy Devices and their Applications", at Rani Channamma University, Belgaum, organized by department of Geography. 30th Oct 2013. Number of participants: 100 students and teachers.
 40. Technical talk on "Wind Energy Conversion Systems – Present Scenario and Future Challenges", during FDP organized by EEED of SSIT Tumkur. 23rd Aug 2013. Number of participants: 50 Engg Col teachers.
 41. Technical talk on "Basics of Solar-Wind Energy Uses and Applications", during Bagalkot district Teacher Training Workshop, Bagalkot. 3rd Aug 2013. Number of participants: 150 teachers
 42. Technical talk on "Developing Innovative Projects using Renewable Energy Resources", at Sainik School Bijapur 30th July 2013. Number of participants: 450 students.
 43. Guest of Honor and Technical talk on "Wind Energy: Basics to Performance Analysis", during 5-days ISTE FDP from 17-21 June 2013 organized by SIET Panhal, Maharashtra.
 44. "Wind Energy Conversion Systems: Scenario, Working, History, Power in the Wind and CF", Invited talk during 2 weeks AICTE sponsored STTP organized by BVVS Polytechnic Bagalkot. 28th May, 2013
 45. "Wind Turbine Performance Index as a tool for Site Matching of Wind Turbine Generators", Tutorial at IASTED AsiaPES-13 Phuket Thailand. 12th Apr, 2013
 46. "Design and Development of Solar-Wind energy devices for Rural Applications", KEYNOTE Address at IASTED AsiaPES-13 Phuket Thailand. 11th Apr, 2013.
 47. "Wind Energy – Challenges and Opportunities ", invited talk at RVCE Bangalore 19th Mar, 2013
 48. "Site Matching and Wind Data Analysis", invited talk at GIT Belgaum 22 Feb, 2013
 49. "Sustainable Energy Technologies: Solar Wind Energy Devices",

- invited talk at BKA Science College, Chikodi 8th Feb, 2013
50. "Solar Wind Energy Devices: Solutions for Energy Crisis", invited talk at KSSA College of Science, Gadag. 24th Jan 2013.
 51. "Solar Wind Energy Devices and Applications", invited talk at Agriculture Development Center, Bagalkot. 2nd Jan 2013
 52. "Smart Grids and Renewable Energy", invited talk during National Conference held at AISSMCE Pune. 10th March 2012.
 53. Chief Guest and Technical talk on "Clean Energy Options – Wind Energy Sources", during National Science Day at Naregal, 29th Feb 2012
 54. Chief Guest and Technical talk on "Clean Energy Options – Renewable Energy Sources", during National Science Day at Vijaya Mahantesh Science College, Ilkal, 28th Feb 2012.
 55. "Wind Energy", invited talk during UGC sponsored one-day state level seminar on "Non-Conventional Energy Sources". Organized by S M Bhandari Arts, R R Bhandari Commerce and S K Rathi Science College Guledgudda, 11th Feb 2012.
 56. Chief Guest and Technical Talk on "Wind Energy – Challenges and Opportunities", at Institution of Engineers (I) Chapter Mysore 8th March 2011.
 57. Chief Guest and Distinguished Alumni Lecture on "Energy and Renewables", at BLDEA CET Bijapur 28th Feb 2011.
 58. "Wind Data Analysis and Site Matching of Wind Turbine Generators", invited talk at Power Research and Development Consultants Pvt. Ltd., Bangalore. 25th October 2010.
 59. "Computational Dynamics of Wind Trubines", invited talk at Basaveshwar Science College Bagalkot during one-day state level seminar on "Recent Advances in Computational Dynamics". 24th October 2010.
 60. Guest Speaker during "150th Birth anniversary and Engineers day celebration", 15th Sept 2010 at Ambedkar Bhavan, Bagalkot. Organized by Bagalkot Engineers Association. Title of talk: "Energy Status and Wind Power Generation".
 61. Chief Guest and Keynote Speaker at JNNCE, during inauguration of 2-day workshop on "Energy Auditing and Demand Side Management", 24 Aug 2010. Title of keynote talk: "Energy Scenario and Power Factor Improvement".
 62. Chief Guest and Keynote Speaker at AIT Chickamagalur, during inauguration & valediction of 1-day seminar on "Recent Trends in Renewable Energy Sources", 25 April 2009. Title of keynote talk: "Site Matching of Wind Turbine Generators".
 63. Chief Guest and Keynote Speaker at NMIT Bangalore, during inauguration of 3-day workshop on "Power System Modeling and FACTS Controllers", 22-24 January 2009. Title of keynote talk: "Modeling of Wind Energy Conversion Systems".
 64. Chief Guest and Keynote Speaker at NITK Suratkal, during inauguration of AICTE sponsored summer school on "Emerging Trends in Energy Technologies and Management", 11th – 22nd August 2008.
 65. Chief Guest and Keynote Speaker during one-day state level seminar on 'Renewable Energy Sources', organized by KUD Physics Teachers Forum at KLE Science College, Gadag on 12.03.2008. Delivered a talk on "Wind Energy".
 66. Chief Guest and Keynote Speaker during the inauguration of 'Akhsay Urja Club' at HIT Nidasoshi on 10.03.2008. Delivered a talk on "Progress in Renewable Energy Sector".
 67. "Role of Energy and its Conservation", invited talk during the

- celebration of 'Akhsay Urja Diwas' at Bagalkot DC Office on 20.08.2007.
68. Chief Guest and Keynote Speaker during inauguration of 'Akhsay Urja Club' at PDIT Hospet on 02.03.2007. Delivered a talk on "Overview of Wind Energy – World and Indian Scenario".
 69. "Solar Thermal Applications" and "Solar Electric Applications", and hands-on training with solar devices for Women during 2-days training program on "Applications of Solar Energy", organized by Tribal & Women Development Cell of World Bank Assisted program on 10th and 11th January 2007.
 70. Chief Guest and Keynote Speaker during the Bagalkot District KUD NSS Camp at Muchakandi, Bagalkot, 27 September 2006. Delivered a talk on "Renewable Energy Sources".
 71. Chief Guest and Keynote Speaker during 'Engineer's Day' Celebration organized by KPC Graduate Engineers Association and KPC Diploma Engineers Association KPC, Alamatti, 25 September 2006. Delivered a talk on "Overview of Wind Power Generation".
 72. Chief Guest and Keynote Speaker during inauguration of 'Energy Club' of BVVS Teachers Training Institute, Bagalkot, 25 April 2006. Delivered a talk on "Renewable Energy Sources for Rural Energy Applications".
 73. "Electricity Generation, Transmission and Distribution" and "Personality Development", invited talk during 3-day training program on 'Electricity and Safety' organized by E&EE Dept, BEC Bagalkot under Tribal & Women Development activity of BEC TEQIP, 23-25 February 2006.
 74. Chief Guest and Keynote Speaker during inauguration of 'Energy Club' of S.C.Nandimath Law College, Bagalkot, 07 February 2006. Delivered a talk on "Renewable Energy Sources".
 75. Chief Guest and Keynote Speaker during inauguration of 'Energy Club' of Basaveshwar Women's College, Bagalkot, 25 January 2006. Delivered a talk on "Energy: Its Use and Applications".
 76. "Renewable Energy Sources", invited talk during 'e-Week' celebration of Basaveshwar Science College, Bagalkot, 19 January 2006.
 77. Chief Guest and Keynote Speaker during inauguration of 'Energy Club' of Basaveshwar PU College, Bagalkot, 17 January 2006. Delivered a talk on "Energy: Its Use and Applications".
 78. "Renewable Energy Sources – Challenges and Opportunities", invited talk during One day National Workshop on 'Progress in Renewable Energy Sources' organized by E&EE Dept., PDA College of Engineering Gulbarga, 12.12.2005.
 79. Chief Guest and Keynote Speaker during farewell function to final year E&EE students of University BDT College of Engineering, Davanagere on 07.05.2005. Delivered talk on "Renewable Energy Sources – Challenges and Opportunities", and "Personality Development".
 80. Invited talk on "Renewable Energy Sources – Challenges and Opportunities", during National Seminar on "Energy Efficiency: A Challenge for Sustainable Development – Chances and Risks for Implementation", organised by Anjuman Engineering College, Bhatkal on 15.12.2004.
 81. Invited talk on "Renewable Energy Sources", at BVVS Polytechnic on 05.11.2004.
 82. Invited talk on "Renewable Energy Sources – An Overview", during National Workshop on "Modern Trends in Power Systems", organized by E&EE Dept., GIT Belgaum on 12.09.2004.
 83. "Renewable Energy Systems – Wind Power Generation", invited talk at

- GIT Belgaum on 13.06.2003.
84. "Impact of Renewable Energy Systems on Power System Industry", invited talk on 23.01.2003 during AICTE-ISTE short-term training program on "Impact of New Technologies on Power Industry", organised by JNNCE Shimoga, 20.1.03 to 2.2.03.
 85. "Site Matching of Wind Turbine Generators", invited talk on 21.01.2003 during AICTE-ISTE short-term training program on "Solar Energy and its Applications", organised by NITK Suratkal, 20.1.03 to 2.2.03.
 86. "Renewable Energy Sources", Guest speaker at S.R.Vastrad Rural Polytechnic, Guledgudd, 16.09.2002.
 87. "Wind Power Generation", Guest Lecture at Power System Training Institute, Bangalore, 08.01.2002.

Invited Lectures/ Seminars on Other topics:

1. Invited talk on "Research & Innovation at EE-BEC" on 24.6.2019 during one week FDP on Electric Vehicles organized by EE dept. from 22-26 Jul 2019 under TEQIP-III, BEC(A) Bagalkot.
2. Invited talk on "Writing Technical Projects and Proposals" on 5.5.2019 during one week FDP on Research Avenues in Information Technology organized by CS dept, BEC(A) Bagalkot.
3. Chief Guest and Keynote speaker during ECE branch entry function. Talk on "Benefits of IEEE Membership" at KLEEC Chikkodi on 25.08.2018.
4. Seminar on "Professional Development through Professional Membership" during Induction Program to first year BE-EE students. Organized by EEED on 16.08.2018
5. Keynote talk on "Research Competency and Professional Communication" during 5-days FDP on 'Recent trends in Electrical Engineering and Research Opportunities' organized by KLEIT Hubballi on 24.07.2018
6. Seminar on "Igniting the Research Competency" at EEED, BEC Bagalkot on 21.06.2018. During internship to E&EE students from Rajakiya Engineering College, Bijanur, UP.
7. Invited seminar on "Effective Technical Project Writing in Compliance with Plagiarism Check" at HIT Nidasoshi on 10.05.2018
8. Invited talk on 'Innovative Projects and Benefits of IEEE Membership' at SGBIT Belagavi on 16.04.2018.
9. Invited talk on 'Innovative Projects and Benefits of IEEE Membership' at SGBIT GNDEC Bidar on 19.03.2018.
10. Voluntary seminar on "IEEE Student Membership and Benefits" on 27th Nov 2017 for PG-PES students at EEED
11. Invited talk on "Research Methodology", on 7th Oct 2017 during IEEE-PES Bengaluru Chapter YRM at MIT Manipal
12. Voluntary seminar on "Attributes of Good Technical Paper" at BEC(A) Bagalkot on 27th & 28th Jan 2017 for 6th Semester EE students.
13. Chief Guest and Keynote Address on "Professional Networking through IEEE Membership" during valedictory function of National Conference on RIICTeM on 21-22 May 2015 at VTU Kalburgi Regional Center
14. Invited talk on "Engineering and Technology: Career with Pride", during summer camp organized by Ajeet Education Trust, Bagalkot on 2nd May 2015
15. Chief Guest and Keynote Address on "Benefits of IEEE Membership" on 18th April 2015 during inauguration of IEEE student branch at HSIT Nidasoshi and North Karnataka Road Show

16. Chief Guest and conducted FDP on “Best Practices in Teaching & Research Methodologies” on 11th April 2015 during inauguration of ‘Technovision2015’ at Dr.SSSSMS College of Engineering
17. IEEE seminar on “Authoring Technical Papers” at BEC Bagalkot on 25th Mar 2015. Number of participants – 60 IEEE student members
18. Chief Guest and Keynote Address on “Benefits of IEEE Membership” on 22nd Feb 2015 during inauguration of IEEE student branch at KLS GIT Belgaum
19. Presentation on “Career Management in Academics and Research” on 8th Nov 2014 BEC Bagalkot during 2-days program on ‘Student Leadership Congress’ organized by IEEE-Bangalore Section and BEC-IEEE student branch from 8-9 Nov 2014.
20. Chief Guest and Keynote Address on “Benefits of IEEE Membership” on 14th Mar 2014 during inauguration of IEEE student branch at KLE IT Hubli.
21. IEEE seminar on “Etiquettes of Resume and Technical Writing” at BEC Bagalkot on 15th Feb 2014. Number of participants – 60 IEEE student members.
22. Invited talk on “Career in Academics”, at PESIT Bangalore, organized by department of E&EE. 13th Nov 2013. Number of participants: 60 students.
23. “Technical Documentation”, invited talk during 3days workshop on ‘Documentation using Latex, organized by ECE Dept., BEC Bagalkot. 27th May 2013.
24. “Career in Academics”, invited talk IEEE Gold Interface-13 at BEC Bagalkot. 27th Apr 2013.
25. “Workshop on Technical Writing”, invited talk IEEE Student Branch, BEC Bagalkot. 2nd Feb 2013.
26. “Technical writing”, invited talk during FDP held at SGBIT Belgaum. 31st July 2012.
27. “Resource Generation and Technical Publications”, invited talk at BLDEAs Polytechnic Bijapur, 13th March 2012.
28. Chief Guest and Technical Talk on “Top 11 Technologies of the Decade”, at Department of ISE, Tontadarya College of Engineering, Gadag on 12th March 2011.
29. Chief Guest and Technical talk on “Project Ideas for Primary School Teachers”, at Bijapur. 400 hundred teachers attended. Organized by BEO Bijapur on 24th Jan 2012.
30. Chief Guest for Children’s day at Basaveshwar International Public School, Bagalkot. 16.11.2010
31. Conducted “Personality Development” workshop for B.Com-1 students of BLDEA’s Commerce College, Bijapur. 9th Sept 2010.
32. “Teaching as Career and Innovation & Creativity”, invited talk (part of DST initiative “Inspire”), at IsquareIT Pune on 14.01.2010 & 20.01.2010.
33. Chief Guest for Annual day function of S.R.Vastrad Rural Polytechnic, Guledgud on 29.04.2009.
34. “EHVAC Power Transmission”, at E&EE Dept., BVVS Polytechnic, Bagalkot on 31.03.2009.
35. “Art of Writing a Good Technical Paper”, at E&EE Dept., BEC Bagalkot on 26.03.2009.
36. “Art of Writing a Good Technical Paper”, at BEC-IEEE student branch on 14.02.2009.
37. “IEEE Membership and Its benefits”, at RNSIT Bangalore on 9th August 08.
38. “Technical Writing”, invited talk during one-week training program on

- 'Personality Development', organized by E&EE Dept., BVVS Polytechnic on 25th July 2007.
39. "Soft Computing in Power System Simulation", invited talk during 2-days training program on 'Recent Trends in Power System Simulation', organized by E&EE Dept., UBDT Davanagere on 15-16 March 2007. Also the chief guest for valedictory function.
 40. "Applications of Microcontrollers", invited talk during 3-days training program on 'Advanced Microcontrollers', organized under BEC TEQIP by Dept of Instrumentation Technology, on 15-17 February 2007.
 41. "Technical Paper Writing: Attributes of a Good Technical Paper", invited talk during 3-day training program on 'Global Skill Enhancement for Girls' organized by BEC TEQIP, under Tribal & Women Development activity of BEC TEQIP, 16 September 2006.
 42. "Soft Skills" invited talk during two weeks awareness program on 'Software Testing and Test Automation' organized by ACME-FOCUS, 09 September 2006.
 43. "Role of Engineering Teachers" invited talk at BEC Bagalkot during 'Teacher's Day' celebration by ABVP wing of BEC Bagalkot, 05 September 2006.
 44. "Nanotechnology – Energy and Scientific Ethics" invited talk during one week training program on 'Nanotechnology and its Applications' organized by Mechanical Dept, BEC Bagalkot under Faculty Development activity of BEC TEQIP, 16 August 2006.
 45. "IEEE Membership & Its benefits", Key note address and Chief Guest during the inauguration of 'IEEE Student Branch' of Hirasugar Institute of Technology, Nidasoshi, 08 April 2006.
 46. "Technical Paper Writing Part-I & II" Seminar for EEEA activity for E&EE students, 2-3 April 2006.
 47. "Personality Development" invited talk at S.R.Vastrad Rural Polytechnic, Guledgud, 31 March 2006.
 48. "Attributes of a Good Technical Paper" invited talk during one week training program on 'Vision R&D' organized by Mechanical Dept, BEC Bagalkot under Faculty Development activity of BEC TEQIP, 21 March 2006.
 49. "IEEE Awareness & Formation of IEEE Student Branch", invited talk at Secab Institute of Technology on 30.04.2005.
 50. "Personality Development", presented a IEEE Seminar for student members of BEC-IEEE Student Branch on 27.04.2005.
 51. "Getting Ready for Accreditation", invited talk on 05.03.2005 and 06.03.2005 during 2-day workshop on "AICTE-NBA Awareness" at Hirasugar Institute of Technology, Nidasoshi, Belgaum, Karnataka State.
 52. "Personality Development", invited talk on 12.03.2005 during "Career Guidance Week" at S.R.Vastrad Rural Polytechnic, Guledgudd.
 53. "IEEE Awareness & Formation of IEEE Student Branch", invited talk at TCE Gadag on 06.11.2004.
 54. "Teacher-Student Attitudes in Teaching Learning Process", invited talk on 27.01.2004, during AICTE-ISTE sponsored short term training program on "Staff Development Program for Young Teachers", organized by BEC Bagalkot, 19-31 January 2004.
 55. "IEEE Awareness & Starting IEEE Student Branch", invited talk at GNEC Bidar on 09.06.2003.
 56. "IEEE Awareness & Starting IEEE Student Branch", invited talk at HREC Nidasoshi on 29.05.2003.
 57. "Technical Writing", IEEE seminar at BEC Bagalkot, October 2001.

58. "Job opportunities and Job interviews", IEEE seminar at BEC Bagalkot, September 2001.
59. "C-programming language", four-week tutorial for faculty of BEC in July/Aug 2001.

Events Organized

1. One day National event 'Gandhi Global Solar Yatra 2019 – a national event to commemorate 150th Birth Anniversary of Mahatma Gandhiji', organized by BEC and BEC-IEEE student branch. Chief Guest: Mr. R.S.Hiremath, CEO Flexitron and presided by Dr.V.C.Charantimath, Chairman BVV Sangha. 02.10.2019. Activity: 1000 students participated to assemble solar study lamp. Role: Program Coordinator
2. Two days national event 'NOVUS 2018 – a national technical symposium', organized by BEC-IEEE student branch. Chief Guest: Mr. Ashwini Kumar, Microsoft. 24-25 Feb 2018. Role: Branch Counselor
3. Two days national event 'NOVUS 2017 – a national technical symposium', organized by BEC-IEEE student branch. Chief guest: Chris Maxwell, Design Manager Battery Management Team, TI Dallas TX USA TI Texas Dallas. 18-19 Feb 2017
4. One day seminar on "Applications of Batteries in Renewable Energy Systems", by Mr. R. S. Hiremath, CEO FLEXITRON Bengaluru. Organized by IEEE PES student chapter-35261A, on 28th Jan 2017.
5. One day seminar on "Energy Conservation, Audit and DSM", by Mr. Mallikarjun A Kambalyal, Hubballi. Organized by IEEE PES student chapter-35261A on 1st October 2016
6. One day seminar on "Recent Developments in Power Grids- Indian Scenario" by Sethuram Ganeshan, Product Manager, ABB & Chairman IEEE-PES Bengaluru, on 27th Aug 2016
7. One day seminar on "**Design and Development aspects in Solar & Geothermal Power Plants**" by Mr. Shivanand Mariguddi, Administration Manager, Emerson Industrial Automation Australia, Sydney Australia on 15th April 2016 under BEC-IEEE SB.
8. One day seminar on "**Civil Engineering in Historical Perspective**" by Dr.Bruce Seely, Dean, College of Sciences and arts Michigan Technological University, MI USA on 14th Jan 2016 under TEQIP-II.
9. One day IEEE-PES Bengaluru Chapter program on "Young Researchers Meet – Industries and Academic Interaction to foster Research", on 5th Dec 2015 under TEQIP-II
10. Two days National Symposium on "**Sustainable Energy Technologies for Academic Campuses**", on 5th & 6th Jun 2015 under BEC-TEQIP-II
11. One day Symposium on "**Emerging Technological Trends in Power Engineering**", on 11th Nov 2014 by IEEE-PES Bengaluru Chapter
12. Seminar on "**Real-time Applications in Multistoried Buildings**" by Mr. Vijaykumar D, Manager-Electrical, Manthri Developers Pvt. Ltd., Bengaluru on 15th Aug 2014
13. Seminar on "**Career in Civil Services**" by Mr. Shivanand Kalakeri IRS, Deputy Commissioner of Income Tax Bengaluru on 14th Aug 2014
14. Five days Short Term Course on "**Emerging R&D in Wind Energy Conversion – Present and Future Challenges**", from 21st to 26th Jul 2014 organized under TEQIP-II.
15. Two days National Workshop on "**Sustainable Innovation – an End-to-End Approach**", from 29th to 30th Jan 2014 organized under TEQIP-II.
16. Two days hands-on workshop on "**MatLab Programming for Electrical and Electronics Engineers**", on 30th and 31st Dec 2013 under TEQIP-II. Number of Participants: 60
17. One day workshop "**Curriculum Development, Revision and**

- Restructuring – M.Tech PES**”, on 4th March 2013 under TEQIP-II
18. Three days SDP on **“Electromagnetics”**, by Dr. Anand K. Kulkarni, Professor of Emeritus, Dept of ECE, Michigan Technological University, USA, 1st to 3rd March 2013. Organized under TEQIP-II.
 19. Seminar on **“Recent Developments in Solar Energy”** by Mr. Shivanand Mareguddi, Engg Procurement Officer, Control Technologies, Sydney Australia on 16th April 2012
 20. Two day hub level event titled **“Inn-Wie-tion”** – Workshop on MatLab, Robust: Robotic contest, Quizes: Acquentomath, IT and General, Movie making competition on theme **“Women in Engineering”**. 31st March and 1st April 2012
 21. Seminar on **“Innovative Ideas and Projects”** by Dr. R. N. Herkal, Principal BEC Bagalkot on 22nd March 2012
 22. Two days workshop on **“How to Teach Electromagnetics”**, **“Nanoelectronics”** and **“Recent Developments in Wind Turbine Generators”**. Speakers: Dr. Anand K Kulkarni, Professor of Emeritus MTU MI USA and Mr. Damodar K Kulkarni, Electrical Consultant Gujarat. Date: 15th and 16th Feb 2012
 23. **“NOVUS’10 – A state level technical fest and Robotics Workshop”**, sponsored by BVV Sangha BEC, BEC-IEEE student branch and IEEE Bangalore section. 13-14 November 2010; **Convener**.
 24. **“Awareness and Applications of MiPower Software”**, two days workshop by Power Research & Development Consultants Pvt. Ltd., Bangalore. 21-22 Oct 2010. **Coordinator**.
 25. **“Renewable Energy Options for Heating and Lighting in Public buildings, Hospitals, Hotels, Educational Institutions and Tourist/Religious Places”** two days state level seminar cum exhibition. Sponsored by MNRE Govt of India and Energy Department Govt. of Karnataka. Organized by KREDL Bangalore and BVVS BEC Bagalkot. 29th and 30th April 2010. **Convener**.
 26. **“KPTCL at a Glance”**, seminar by Sri. S. C. Kalasad _{KAS}, Director Admin & HR, KPTCL Bangalore and **“Get-together of Alumni of BEC working in KPTC and all ESCOMS”**; and **“Inauguration of Alumni Association of BEC Graduates working in KPTC and all ESCOMS”**, on 13-14 Feb 2010. **Convener**.
 27. **“Understanding Power Systems through Software Packages”**, one day seminar by Dr. R. Nagaraja, MD PRDC Bangalore organized by BEC-IEEE student branch. 06.02.2010. **Branch Counselor**
 28. **“NOVUS’09 – A state level IEEE BRV Varadan UG/PG student paper contest and technical fest”**, sponsored by BVV Sangha BEC, BEC-IEEE student branch and IEEE Bangalore section. 28-29 November 2009; **Convener**.
 29. **“FPGA based System Design using ALTERA Tools”**, one-day workshop sponsored by E&EE, BEC-IEEE and Enixs India Pvt. Ltd Bangalore, 10th October 2009; **Chief-Coordinator**.
 30. **“Modeling and Simulation using MATLAB-SIMULINK for Electrical & Electronics Engineers”**, two-days workshop under Faculty Development Activity of BEC-TEQIP, BEC Bagalkot, 22-23 March 2008; **Chief-Coordinator**.
 31. **“Advanced Topics in Power System Engineering”**, one-day colloquium under Faculty Development Activity of BEC-TEQIP, BEC Bagalkot, 15 March 2008; **Chief-Coordinator**.
 32. **“Enterprise Systems and Service Oriented Architectures”**, International Workshop under Faculty Development Activity of BEC-TEQIP, BEC Bagalkot, 7-19 March 2008; **Coordinator**.
 33. **“Auto CAD Electrical”**, three-days training program for E&EE

students organized by E&EE Department, BEC Bagalkot, 26-28 February 2008; **Chief-Coordinator**.

34. **“Arunodaya-Solar Energy Awareness Program”**, one-day training program organized in collaboration with Tata BP Solar India Ltd., Bangalore on 23rd Aug 2007 on the occasion of celebration of Rajiv Gandhi Akshay Urja Club of BEC Bagalkot.
35. **“Emotional Intelligence and Effective Leadership”**, one-day workshop under Faculty Development Activity of BEC-TEQIP, BEC Bagalkot, 27 March 2007; **Coordinator**.
36. **“Leadership Training Program”**, two-day IEEE activity for IEEE Student Branch Office Bearers of IEEE Bangalore Section, on 17-18 November 2006. Branch Counselor.

Conferences/ Symposiums/ Workshops/ Training Programs Attended

1. Two days symposium on Collaborative Research, organized by PES college of Engineering, Mandya from 19th Aug to 20th Aug, 2019 at Mysore.
2. IEEE YESIST12 – Project Innovation Challenges organized by VVIT, Mysuru on 11th May 2019
3. Course on ‘Systems thinking and Applications’, offered by Dr. L. S. Ganesh, IIT Chennai at BEC(A) from 12th Oct to 30th Nov 2018
4. One day workshop on IEEE Future Directions in Technology (FDT) & the Sixth wave of Innovation organized by IEEE-IISc HKN student branch in association with CRAFTITI, Bengaluru held at ECE Dept, IISc on 23rd Oct, 2018
5. 9th Asia Pacific Power and Energy Engineering Conference, APPEEC’17, organized by IEEE-PES Bengaluru Chapter from 8th to 10th Nov 2017
6. Two days workshop on “Outcome Based Education” from 21st to 22nd Oct 2017 by IITB professors.
7. INUP Hands-on Training Workshop on Fabrication & Characterization of Crystalline Silicon Solar Cells 24-28 April, 2017, IIT Bombay
8. IEEE INDICON’2016 from 16-18 Dec 2016 at IISc Bengaluru –Session Chair
9. World Utility Summit – part of ELECRAMA 2016, organized by IEEMA India from 14-16 Feb 2016
10. International Conference on Renewable Energy Research and Applications (ICRERA2015) at Palermo, Italy 22-25 Nov 2015.
11. One day workshop on Industry-Academia Interaction organized by IEEE-PES Bengaluru Chapter and EEED-BMS CE Bengaluru on 10th Oct 2015
12. IEEE International Conference on Power and Advance Control Engineering from 12-14 Aug 2015. Organized by EEED, BNMIT Bengaluru – Session Chair and Panel Member
13. One day program on IEEE Bengaluru Sections Branch Counselors and Branch Chairmen meeting on 05 Apr 2015 at MSRIT Bengaluru
14. Three days National Workshop on “Smart Grid Technologies – Vision, Maintenance and Control” from 5-7 Mar 2015. Organized by EEED, PESU IT Bengaluru.
15. Two days workshop on “Smart Initiatives in Energy Systems” from 11th to 12th September 2014. Organized by IEEE Power and Energy Society, Bangalore Chapter at GE - John F. Welch Technology Center, Bangalore
16. Five days leadership training program on “Management Capacity Enhancement Programme for Administrative Heads of Higher Education Institutions”, from 18th to 22nd August 2014 at IIMB Bangalore.

17. Green Summit 2014 and Workshop on “How Practical is Solar PV Today?”, organized by FKCCI Bangalore and MM Activ Sci-Tech Communications Bangalore from 5-7 June 2014 at White Orchid Convention Centre, Bangalore
18. NCPRE & SERIUS sponsored short course/workshop on “PV Module Reliability” organized by EE-IIT Bombay from 3-4 April 2014.
19. International Conference on “Harnessing Technology Skills for Employability – HTSE-2014”, organized jointly by VTU Belgaum and ISQT Bangalore on 21 & 22 Feb 2014 at VTU Belgaum.
20. IEEE-PES International Conference on “Innovative Smart Grid Technologies” organized by IEEE-PES Bangalore Section. 10th to 13th Nov 2013 at Bangalore.
21. IEEE PES Innovative Smart Grid Technologies Conference, ISGT ASIA – 2013 at The Sheraton Hotel, Bangalore, 10th – 13th, November 2013
22. IASTED AsiaPES 2013 held at Phuket, Thailand from 10-12 April 2013. Presented a Keynote address, Tutorial and Chaired one session.
23. Three days workshop on “Training of Master Trainers”, from 31st August, 2012 to 2nd September, 2012 at KIIT University, Bhubaneswar, organized by NBA
24. 1st International Conference on Electrical Energy Systems (ICEES’2011), organized by SSNCE, Chennai, Jan 3-5 2011. Sponsored by IEEE Madras Section.
25. Two-days congress of “All India IEEE Student Branch Counselor Congress”, organized by IEEE Bangalore Section at New Horizon Engineering College, Bangalore on 3rd and 4th July 2009.
26. Two-days workshop on “Large Scale Integration of Wind Farms into the Grid”, organized by PES-IEEE Bangalore Section at CPRI Bangalore on 20th & 21st February 2009.
27. One-day tutorial on “Recent Developments in FACTS Technology”, organized by PES-IEEE Bangalore Section at CPRI Bangalore on 2nd Aug 2007. Tutorial by Dr. Kalyan K Sen.
28. One-day seminar on “Smart Grid, Grid Reliability and Power Quality”, organized by PES-IEEE Bangalore Section at CPRI Bangalore on 25th July 2007. Seminar by Dr. Deepak Divan.
29. One-day seminar on “MATLAB Applications”, organized by Cranes Software, Bangalore at Hotel Taj Residency Bangalore, 27th July 2007.
30. Shiv Khara’s 3-days workshop on “Blue Print for Success”, organized by SPFU Bangalore at MSRIT Bangalore from 27-29 Dec 2006.
31. Two days National Level Seminar on “Modern Sensors and their Applications”, organized by Physics Department, BEC-TEQIP Bagalkot, 17-18 November 2006.
32. 5th World Wind Energy Conference cum Renewable Energy Exhibition 2006, organized by World Wind Energy Association, from 6-8 November 2006 at New Delhi.
33. BEC TEQIP Workshop on “Counseling Techniques”, organized by BEC TEQIP, 25 August 2006.
34. Training Program on “Structured Software Testing and Automation Tools”, organized by QSIT-PCS Bangalore, 01-10 August 2006.
35. TEQIP Workshop on “Need Analysis of Training Programs”, organized by BMS College of Engineering Bangalore, 13 July 2006.
36. TEQIP Workshop on “Quality Assurance”, organized by CII Bangalore, 11-12 July 2006.
37. National Workshop on “Intellectual Property Rights”, organized by Basaveshwar Engineering College, Bagalkot, 17 February 2006.
38. 4th World Wind Energy Conference & Renewable Energy Exhibition

- 2005, organized by World Wind Energy Association, from 2-5 November 2005 at Melbourne, Australia.
39. 3rd MatLab Tech Expo 2005, Hotel Le Meridian, Bangalore, 29 November 2005.
 40. State Level Seminar on “Constitution of India and Professional Ethics” held at RV College of Engineering, Bangalore, 11-12 August 2005.
 41. Workshop on “Patents in India and Abroad”, Confederation of Indian Industries, Mumbai held at Godrej Navaraji Center of Excellence, Mumbai, 22-23 July 2005.
 42. STTP on SCADA & EMS, National Power Training Institute, Bangalore, 16-20 May 2005
 43. Workshop on “Electrical Drawing and CAD” held at BIT Bangalore, 13-14 May 2005.
 44. STTP on Learning Organization and Knowledge Management, MED & EEED, BEC Bagalkot, 16-21 Feb 04
 45. STTP on Solar Energy and its Applications, EEED., NITK, Suratkal, 20.01.2003 to 02.02.2003
 46. STTP on Processing of Composite Materials, MED., BEC, Bagalkot, 26.08.2002 to 07.09.2002
 47. STTP on Advances in Casting and Welding Technology, BEC, Bagalkot, 24.09.2001 to 06.10.2001
 48. STTP on Recent Trends in Renewable Energy Sources, EEED, BEC, Bagalkot, 03.09.2001 to 15.09.2001
 49. National Conference on Wind Engineering (NSWE-99) held at IIT Kharagpur, December 1999.
 50. STTP on Advanced Computer Networking, Dept. of C.Sc. & Eng., BEC, Bagalkot, 14.09.1998 to 27.09.1998
 51. STTP on Fuzzy Decision-Making and Logic Programming, Dept. of Mathematics, I.I.T Kharagpur, 23-30 Jun 97
 52. STTP on Brushless DC and other Advanced Electrical Drives, EED, WCE, Sangli, Maharashtra, 26.2.96 to 9.3.96
 53. National Workshop on Electronic Design Automation Tools held at BEC Bagalkot. Organized by AICTE New Delhi. October 1995.
 54. The 23rd Annual Convention of Indian Society for Technical Education held at Karnataka Regional Engineering College, Suratkal, Karnataka, India. December 1993
 55. The 3rd International Symposium on Electricity Distribution and Energy Management, ISEDEM’93 held at Singapore from 27-29 October 1993. Organised by National University of Singapore, Public Utility Board, Singapore, and IEEE Singapore Section.
 56. STTP on Low Cost Automation in Electrical Industry, EED, IIT Bombay and L&T Bombay, 18-28 May 93.
 57. STTP on Recent Trends in Power System Engineering, EED, I.I.T New Delhi, 20.05.1991 to 31.05.1991.
 58. National Workshop on Recent Trends in Microprocessor Applications held at Jawaharlal Nehru Technical University, Hyderabad from 25-27 June 1990. Organized by ISTE New Delhi & JNTU Hyderabad.
 59. Workshop on Robotics held at IIT Kharagpur from 31 October to 2 November 1988. Organized by IEEE Kharagpur Section.
 60. STTP on Medium and Long Range Load Forecasting in Power Systems, EED, IIT Kharagpur, 15-26 Jun 87.

Awards and Honors

: Awards:

1. 2018 – “Best Teacher Award”, from Institute of Scholars (InSc)
2. 2018 – “Best Teacher Award”, from BVV Sangha for the year 2016-17 in technical education – 10.03.2018

3. 2017 – “Outstanding Engineer Award” from IEEE-PES Bangalore chapter – 08.11.2017
4. 2016 – “Lifetime achievement award” from VIFA, Chennai, for contributions to Wind Energy – 09.07.2016
5. 2016 – “Certificate of Appreciation” from Rotary Club Bagalkot in recognition of services to the field of education – 05.09.2016
6. 2016 – “Certificate of Appreciation” from BEC-IEEE student branch Bagalkot in recognition of 25 years of services to the field of education at Basaveshwar Engineering College (Autonomous) Bagalkot – 08.09.2016
7. 2014-15 – Letter of Appreciation in the honor of “Yeomen Service Rendered in the field of Education” for the year by Lion and Lioness club, Bagalkot – 05.09.2015
8. 2011 – “Outstanding Branch Counselor” from IEEE Bangalore section – 06.02.2011
9. 2010 – “Technical Publication Award” from IEEE Bangalore section – 06.02.2011
10. 2008 – “Technical Publication Award” from IEEE Bangalore section – 01.02.2009
11. 1996 – “Outstanding Branch Counselor” for R10 from IEEE – 01.02.1997

Scholarships:

1. CSIR New Delhi, individual Research Associateship – 1997-2000 during Ph.D at IIT Kharapur.
2. QIP scholarship – 1987-1989 during M.Tech at IIT Kharapur.
3. Merit Scholarship – 1972-1980 during Class V-XII at Sainik School Bijapur.