


DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Faculty Name	Dr. B. R. Lakshmikantha	
Designation	Professor, Principal & Director	
Educational Qualification	B.E., M.E., Ph.D	
Experience in Years	38	
Area of Interest	FACTS controllers, Application of FACTS controllers in renewable Energy Systems.	
Email ID	principaldsatm@gmail.com	

Educational Details

- Ph.D: Ph.D. in the field of Power system Stability, VTU.
- M.E: Power System, Bangalore University.
- B.E: Electrical Engineering, Bangalore University.

Personal Details

- Hobbies: Basketball, Music
- Languages Known: English, Kannada, Telugu, Hindi.

Professional Experience

- Principal & Director at “Dayananda Sagar Academy of Technology & Management” since 2011.
- Worked as Dean- Academics & HOD-EEE for 1 year, in Dayananda Sagar College of Engineering.
- Worked as Professor for 12 Years in Bangalore Institute of Technology.
- Worked as Assistant Professor for 8 Years in Bangalore Institute of Technology.
- Worked as Lecturer for 8 Years at MSRIT, UVCE & BIT.
- Worked as Research Trainee in Power Research & Development Consultants Pvt. Ltd at Bangalore for 3 years.

Publications

International Journals:

- “Optimum Location of FACTS Device in Weak AC System with Integration of Wind Farms” accepted by The Journal of C.P.R.I published by Central Power Research Institute” during April-May 2007.
- “Observability and Controllability of a power system by optimizing the performance of PMUs and FACTS controllers.”, Published in IJAREEIE, volume 2, issue 6, june 2013, pp.2601-2610.

National Journals:

- “Mitigation of Voltage Unbalance in Traction System” communicated to “Journal of The Institution of Engineers (India)”.

Conferences:

- “A Reliable Fuzzy Logic Approach for Measurement Data Validation through Line Susceptance Estimation”, Recent Advances and Applications of Electrical Engineering, proceedings of the 9th WSEAS international conference on applications of electrical engineering (aee '10) penang, malaysia, march 23-25, 2010, ISSN: 1790-2769, ISBN: 978-960-474-171-7 World Scientific and Engineering Academy and Society.
- Lecture Notes in Engineering and Computer Science, Vol 2173, Iss 1, Pp 439-444 (2008)
- “Real time control of DC motor drive using speech recognition”, International Conference on Power Electronics 2010 (IICPE2010) held on 28-30 January 2011 Electronic ISBN: 978-1-4244-7882-8, Print ISBN: 978-1-4244-7883-5, CD-ROM ISBN: 978-1-4244-7881-1, Print on Demand(PoD) ISBN: 978-1-4244-7883-5, Print ISSN: 2160-3162, Electronic ISSN: 2160-3170 .
- “Novel multilevel inverter with reduced number of switches and batteries”, International conference on Circuits, Controls and Communications (CCUBE) held on 27-28 Dec. 2013, Electronic ISBN: 978-1-4799-1601-6, CD-ROM ISBN: 978-1-4799-1599-6, Print on Demand(PoD) ISBN: 978-1-4799-1600-9.
- “Enhancement of Power System Performances by the Application of SVC” was presented in the ‘Power Transmission Research Interests and Challenges’ International Seminar held between 20 – 22nd December 2005 conducted by POWER SYSTEMS DIVISION C.P.R.I. Bangalore.
- “Effect Of TCSC as FACTS Device In Transmission System” at 15th Annual Symposium of IEEE Bangalore Section on Technological Advances and IT Applications for Indian Power Sector” held during 24-25 November 2006, at CPRI, Bangalore.
- “Optimal Placement of PMUs & Analytics on PMU Data using ANN Technique”, IEEE International Conference on Energy, Communication, Data Analytics & Soft Computing(ICECDS)-2017, held on 1st and 2nd Aug. 2017, organized by SKR Engineering College, Tamilnadu, India. ISBN- XPLORE COMPLIANT (978-1-5386-1887-5), Print (978-1-5386-1886-8)
- “Artificial Neural Network Based Power System Controllability”, 3rd National Conference on Convergence of Science, Technology and Management (NCCSTM-2017), held on May 19th 2017, ISBN No. 978-9384935-97-9.
- “A Novel Software Model for Enhancement of System Performance and Security through an Optimal Placement of PMU & FACTS”, 3rd IEEE International Conference on Electrical, Electronics and Computer Science (SCEECS-2016), held on 5-6 March 2016, at Maulana Azad National Institute of Technology(MANIT) Bhopal, India.
- “A Software Model for power system operation & control”, An International Conference on Intelligent and Autonomous Systems (ICIAS2015) held on 28th, 29th November 2015 at MCE, Hassan, India.
- “Optimization and heuristic algorithms for smart grid technology”, National Conference on Convergence of Science, Technology and Management (NCCSTM-2016), held on May 5th 2016, ISBN No. 978-9384935-97-9.
- “Issues Regarding Wind Farm Inter-Connection with Weak AC System” at National Conference on COMPUTATIONAL INTELLIGENCE TO EMERGING ELECTRICAL POWER SYSTEMS being conducted by the Department of Electrical & Electronics Engineering., Pondichery Engineering College, Pondichery, on 07-08 September 2006.
- “Optimum location of FACTS Devices in Weak AC System with integration of wind farms at 9th ISTE State level Annual Convention & AICTE Sponsored National Seminar on Restructuring of Technical Education to meet the Global Industrial Needs on 17th -

18th November, 2006 held at B.I.T, Bangalore.

- “Effect of TCSC in Enhancing transfer capability in the practical system” at International Conference on “Recent Advanced Applications of computers in Electrical Engineering” (RACE) held during 24-25 march 2007. by Engineering College Bikaner (RAJASTHAN).
- “Simulation Studies of a Weak AC System Connected to Wind Farms with FACTS Devices” at National Conference on “New trends in Modern Power Systems-II on 5th & 6th April 2007, at DSCE, Bangalore.
- “Integration of Wind Farms in Weak AC system by the FACTS Devices” at National Seminar on “Recent Trends and Practices in Planning, Design, Construction, Operation and Maintenance of Electricity Distribution System” conducted by Chamundeshwari Electricity Supply Corporation Limited, Mysore on 25th November 2007.
- “Large-scale integration of wind power into power systems-Case study from India” at 7th International Workshop on Large Scale Integration of Wind Power and on Transmission Networks for Offshore Wind Farms on 26-27th May 2008 at Madrid, Spain.
- “Mitigation of Voltage Unbalance in Traction System” at International Conference on Electrical Engineering and Applications 2008 at The World Congress on Engineering and Computer Science 2008 to take place in San Francisco, USA, 22-24 October, 2008.
- “Post Meridian Load Forecasting Based on the Matching of the Ante Meridian Load Shape with those of Similar Previous Days” at, ICSE-2010 International Conference on Convergence of Science and Engineering, held at DSCE, Bangalore 560078, 21-23 April 2010.
- “Short Term Load Forecasting using Load Profile Index Vectors and ANN’s”, at, ICSE-2010 International Conference on Convergence of Science and Engineering, held at DSCE, Bangalore 560078, 21-23 April 2010.
- Data Acquisition and Control in Power Stations Using the Mobile Communication, at, ICSE-2010 International Conference on Convergence of Science and Engineering, held at DSCE, Bangalore 560078, 21-23 April 2010.
- DC Motor Drive through Speech Recognition, at, ICSE-2010 International Conference on Convergence of Science and Engineering, held at DSCE, Bangalore 560078, 21-23 April 2010.
- “Measurement Data Validation through Line Suceptance Estimation Using the Linear Power Flow Model and Fuzzy Logic” at WSEAS/International Conference on Applications of Electrical Engineering March23-25, 2010 at Penang, Malaysia – National University.
- “Two way Reduction of 24 Hour Daily Load Data Size by Rough set Theory” American Conference on Applied Mathematics (American – Math 10) University of Harvard Cambridge U.S.A, January 27-29, 2010.
- “Real Time control of Power Station Parameters Using Mobile Communication”, communicated to “International Journal of Electronic and Electrical Engineering (IJEET).
- “D.C Motor drive Control Using MFCC and Vector Quantization Technique” has been communicated with Scientific and Engineering Research Corporation (SERC) for “International Journal of Electronic and Electrical Engineering (IJEET).

Awards

- “Eminent Educationist” Award by “The Indus Foundation” at Indo-American Education Summit 2016.

Academic Activity

- Member of Academic Council – Siddaganga Institute of Technology
- Governing council member – S G Balekundri Institute of Technology
- Member Board of Studies – Christ University
- Member Board of Studies – New Horizon College of Engineering
- Chairman, Board of studies, EEE - VTU
- Board of Examiners, EEE – VTU.

Other Activities

- Authored a chapter “Power System Operator Certification: A Case study for India” in the book “Evolving Corporate Education Strategies for Developing Countries: The Role of Universities” ISBN: 9781466628458; 2013
- Chief Guest for one week faculty development program on “Integration of Green Energy to Smart Grid – Opportunities & Challenges”, held on 11th July 2016, at BNM institute of technology, Bangalore.
- Presided the inaugural function of “Workshop on Nanotechnology & Biosensors – Present & Future Perspective”, jointly organized by Indian academy of Science, Indian National academy of science, held on 29-30th November 2011, at Dayananda Sagar College of engineering.
- Chief Guest- Orientation program, Sheshadripuram pre University College.
- Chief Guest for International Conference on Convergent & Innovative Technologies held on 25th April 2014, at Cambridge Institute of Technology, Bangalore.
- Advisory Committee – “National Seminar on Sustainability of drinking water supply systems with special reference to multivillage schemes”, organized by department of Civil engineering held on march 22-23, 2010 at Dayananda sagar college of engineering.

Contact Details

Professor, Principal & Director

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My Vision

- To nurture students & faculty to meet the challenges of an ever changing world.
- To promote a learning ambience where students are trained to be industry ready & preparing them for a life-long learning & to be confident citizens of the world.