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Dr. JAYANNA KANCHIKERE

Objective

To seek a challenging and professionally rewarding position in the field of Electrical and Electronics Engineering in an enterprise/Professional university that will give me an edge to work in a team and enhance my potential as a professional.

Education Data

Degree/ Diploma/ Certificate	Class/ Percentage	<u>From</u> (Month/year)	<u>To</u> (Month/year)	Institution & University	Major Subjects/ Specialization
PhD	--	2010	2013	Techno Global Univ.	Electrical Engineering
M.Tech	63.60%	1995	1997	K.R.E.C/ Mangalore	Power & Energy systems
B.E.	60.40%	1986	1990	B.I.E.T/ Mysore	Electrical &Electronics
PUC	62.83%	1984	1986	DRMSC/ Board of PU, Kar.	PCMB
SSLC	58.46%	1983	1984	GMVJC/ KSEEB	Kan,Eng., Hindi

Awards:

1. Conferred with Chanakya National Award-2017 from Chaitanya International Arts Academy Trust(R), Bangalore.
2. Conferred with Award for Academic Excellence -2017 from The Indus Foundation, Hyderabad.

3. Innovative Technological Research & Dedicated Professor award-2018 from Innovative Scientific Research Professional, Malaysia
4. Best Research Scientist award in SIAA-2018 from ASDF International, UK.

Achievements:

- No. of Patents - 01
- Published 35 Papers in an International Journal.
- Published 8 International, 3 National conference & 1 National seminar papers.
- Worked as HOD of Department and also in ISO, NAAC & NBA at departmental & College level.
- Obtained NCC 'B' Certificate in Army wing.
- Won Prizes in sports at University level.

Reviewer, Guide, Co-Editor, Editor and Editorial Board member:

- Co-Editor in an International e-journal of Website : www.spirjeece.in
- Editorial Board member in Engineering Journal of Scientific Research Publishing
- Convener for International Conference on Electrical, Electronics and Communication Engineering (ICEECE-2018) on April 27th & 28th, 2018 at St.Peters Engineering College.
- Recognized PhD guide in UPES, OPJS and Sainath University
- Reviewer for International Journal of Engineering Research and Technology (IJERT)
- Reviewer for Engineering Journal of Scientific Research Publishing
- Reviewer for Interdisciplinary Journal of e-Skills and Lifelong Learning (*IJELL*)
- Reviewer for Informing Science plus IT Education conferences, Jerusalem (InSITE 2019)
- Reviewer for WSEAS conferences and Journals
- Reviewer for International Journal of Doctoral Studies (IJDS)

**Work experience: *Teaching & Research in Engineering Colleges –21 Years,
Industry – 3 Years; Total: 24 Years**

* Details are provided in last page.

Patent Publications:

1. **Title of Invention : WASH BOWL FROM E-WASTE MATERIALS**

Application No: 201841029579; Patent office Journal No: 33/2018 Dated 17/08/2018

Funded Research Projects:

Sl. No	Name of the funded project	Funding Agency	Programme coordinator	Programme period	Grants received	Status of the Project
1	STTP- Short Term Training Program	AICTE- AQIS App.No:1-3566949077	Dr.Jayanna Kanchikere	One Week	Rs 4.28 Lakh	Ongoing

Research Publications in International Journals:

- 1) Jayanna Kanchikere, Dr.A.K.Ghosh, Dr. Kalyan Kumar, “Embedded Patient Monitoring system ” International Journal of Power Electronics and Drive systems (IJEPDS), **Scopus Indexed** ISSN: 2088-8694, Vol.10, No.1 , Mar 2019
DOI: <http://doi.org/10.11591/ijpeds.v10.i1.pp%25p>
- 2) Dr. Jayanna Kanchikere , Ch V Ganesh, M. Krishna, Dr.T. Sreenivasulu, Dr. K. Naveen kumar, “A Fuzzy Logic Based Intelligent Grid Interfaced Solar Water Pumping System” Journal of Advanced Research in Dynamical and Control systems- **Elsevier Scopus Indexed** ISSN: 1943-023X, Special Issue 6, pp. 2176–2186,2018.
- 3) M. Krishna , Dr.Jayanna Kanchikere, Sujatha D, Dr.T. Sreenivasulu, Dr.K. Naveen kumar, Karupothula Sai Kiran Goud “ Energy Performance of Open Rack PV System with Crystalline Silicon Solar Modules” International Journal of Civil Engineering and Technology (IJCIET)- **Scopus Indexed** ISSN: 0976-6316, Volume 9, Issue 11, pp. 633–640, Nov 2018
- 4) Jayanna Kanchikere, Dr.A.K.Ghosh, Dr. Kalyan Kumar, “Design and Simulation Analysis of Three-Phase Transformer less Grid-Connected PV Inverters” International Journal of Applied Power Engineering (IJAPE)-**Scopus Indexed** ISSN: 2252-8792, Vol.7, No.3., pp. 224-239 , Dec 2018, DOI: 10.11591/ijape.v7i3
- 5) Ch V Ganesh, Jayanna Kanchikere, M. Krishna, T. Sreenivasulu, K. Naveen kumar, “Investigations on the Performance of Roof Mount Photovoltaic System- A Simulated Approach” International Journal of Mechanical Engineering and Technology (IJMET)- **Scopus Indexed** ISSN: 0976-6340, Volume 9, Issue 9, pp. 1572–1580 , Sep 2018
- 6) Jayanna Kanchikere, Dr.A.K.Ghosh, Dr. Kalyan Kumar, “Analysis of 80KW grid connected rooftop solar power plant using SISIFO” International Journal of Mechanical

and Production Engineering Research and Development (IJMPERD)-**Scopus Indexed**
ISSN: 2249-8001, Volume 8, Issue 6, pp. 33-46 , Dec 2018

- 7) Olepu Ajaykumar, Dr.Jayanna Kanchikere, “A Novel Method of 3-Phase Nine Level Inverter for PV Cell Fed Induction Motor Drive”, International Journal for Innovative Engineering and Management Research (IJIEMR), ISSN 2456 – 5083, Volume 07, Issue 09,P.P.303-309, August 2018
- 8) Muddam Sudhakar, Dr.Jayanna Kanchikere, “Simulation of External Inductor Based Voltage Controlled Dstatcom Using Fuzzy Logic Controller”, International Journal for Recent Developments in Science and Technology (IJRDST), ISSN 2581 – 4575, Volume 08, Issue 06,P.P. 41-54, August 2018
- 9) M Sravani, Dr.Jayanna Kanchikere, “Simulation of Fuzzy Logic Based UPQC by Addition of a Superconducting Magnetic Energy Storage System”, International Journal of Research in Electronics and Computer Engineering (IJRECE), ISSN: 2393-9028 (Print) | ISSN: 2348-2281 (Online), Vol. 6, Issue 3, P.P. 1740-1745, July - September 2018.
- 10) T. Sreenivasulu, Jayanna Kanchikere, H. Shaheen & Rajasekar Rangasamy,“ Web Innovation With IOT In Social Environment For Sharing Efficient Information”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)-**Scopus Indexed** ISSN: 2249-8001, Volume 8, Special Issue 6, pp. 717–729 , Aug 2018
- 11) N.Manojkumar, Jayanna Kanchikere, P.Mallikarjun,“ floatovoltaics: towards improved energy efficiency, land and watermanagement” International Journal of Civil Engineering and Technology (IJCET)- **Scopus Indexed** ISSN: 0976-6316, Volume 9, Issue 7, pp. 1089–1096 , July 2018
- 12) J. Pradeep Kumar, V.S. Lakshmi Ravuri, B. Saritha, Jayanna Kanchikere, T. Sreenivasulu, G. Babu,“ Scope For Data Enabled Infrastructure in Petrochemical Industries: A Solution to Midstream Operating Challenges” International Journal of Mechanical Engineering and Technology (IJMET)- **Scopus Indexed** ISSN: 0976-6340, Volume 9, Issue 6, pp. 490–495 , June 2018
- 13) Jayanna Kanchikere, Jyoshi Anil Kumar, Maddigatla Vinod Kumar reddy and J Pradeep Kumar, “Feasibility Study of 6M³ Biogas Plant in dhoolapally, Hyderabad” International Journal of Mechanical Engineering and Technology (IJMET)- **Scopus Indexed** ISSN: 0976-6340, Volume 9, Issue 6, pp. 334–342, , June 2018

- 14) Jayanna Kanchikere, Dr.A.K.Ghosh, Dr. Kalyan Kumar, "Online Monitoring And Simulation Of 30KW Grid Connected Rooftop Solar Power Plant At St.Peter's International School, Hyderabad using PV Syst" *IJARIE-ISSN(O)-2395-4396*, Volume 4, Issue 3, PP. 1890-1906, 2018
- 15) Jayanna Kanchikere, Dr.A.K.Ghosh, Dr. Kalyan Kumar, "Performance And Simulation Analysis Of 80KW Grid Connected Rooftop Solar Power Plant At St.Peter's Engineering College,Hyderabad using PV Watts India" *Journal of Applied Science and Computations(JASC)*, ISSN NO: 0076-5131, Volume 5, Issue 6, PP. 43-56, June-2018
- 16) Dr.Jayanna Kanchikere , Kalyan Kumar, Sudhakumari Jha, S.Maneendra "An Analysis of 80KW Grid Connected Rooftop Solar Power Plant at St.Peter's Engineering College", *International Journal of Electronics, Electrical and Computational System (IJECS)*, ISSN 2348-117X , Volume 7, Issue 4, PP.415-423, April 2018
- 17) Jayanna Kanchikere, Rashmi Sudha, "Hacking Mobile Phones Using 2D Printed Fingerprint", *International Journal of Innovations & Advancement in Computer Science (IJIACS)* ISSN 2347-8616 , Volume 7, Issue 4, PP.488-491, April 2018
- 18) Dr. S.Anantha Padmanabhan, Nandini K P, Dr. Jayanna K, "Augmented BRS and PRS Motion Estimation for Video Compression", *International Journal of Innovations & Advancement in Computer Science (IJIACS)* ISSN 2347-8616 , Volume 7, Issue 4, PP.458-464, April 2018
- 19) Dr.Jayanna Kanchikere , E.Naveen, N.Maheswaran, N.Thenmozhi "MEMS Sensor Operating in Aircraft Using Inertial Navigation System", *International Journal of Electronics, Electrical and Computational System (IJECS)*, ISSN 2348-117X , Volume 7, Issue 4, PP.387-392, April 2018
- 20) Dr.Naveenkuamr, Dr. K Jayanna K, Ms. P. Madhuri, Ms. A. Deekshitha, "Mobile Object Recognition with Its Enhancement of Image Segmentation and Edge Detection Techniques", *International Journal of Computer & Mathematical Sciences (IJCMS)*, ISSN 2347-8527 , Volume 7, Issue 4, PP.256-259, April 2018
- 21) T.Spandana,Jayanna Kanchikere, "Grid Interfaced Solar PV Based BLDC Motor Driven Water Pump", *International Journal of Engineering, Technology, Science and Research (IJETSR)*, ISSN 2394-3386 , Volume 5, Issue 4, PP.826-832, April 2018

- 22) P.Sunil Kumar, Jayanna Kanchikere, "A High Efficiency and High Voltage Gain DC-DC Converter with Induction Motor Drive for PV Cell Power System", International Journal of Engineering, Technology, Science and Research (IJETSR), ISSN 2394-3386 , Volume 5, Issue 4, PP.814-819, April 2018
- 23) Jayanna Kanchikere, Kalyan Kumar, Sudhakumari Jha, "Performance and Simulation analysis of 8KW Grid connected rooftop solar power plant at Davangere city using PV Watts India", International Journal of Advances in arts, sciences and Engineering (IJOAASE), ISSN:2320-6136(Print), 2320-6144(online), Vol. 6, Issue 2, April 2018
- 24) Jayanna Kanchikere, Sunil Kumar P, Kalyan Kumar, Sudhakumari Jha " Simulation Analysis for 10KWp Off- Grid Rooftop Solar PV Plant", International Journal of Electronics, Electrical and Computational System (IJEECS), ISSN 2348-117X , Volume 7, Issue 1, PP.169-171, January 2018
- 25) Jayanna Kanchikere, Kalyan Kumar, Sudhakumari Jha, " A Review of 100KW rooftop Solar PV Plant", International Journal of Engineering, Technology, Science and Research (IJETSR), ISSN 2394-3386 , Volume 5, Issue 1, PP.221-226, January 2018
- 26) Jayanna Kanchikere, Kalyan Kumar, Sudhakumari Jha, G. Mohan Krishna, " An Analysis of 80KWp Grid Connected Rooftop Solar Power Generation at St.Peter's Engineering College, Hyderabad", International Journal of Electronics, Electrical and Computational System (IJEECS), ISSN 2348-117X , Volume 6, Issue 12, PP.132-139, December 2017
- 27) Jayanna Kanchikere, K. Kalyankumar, "Proposal for 1KWp Roof-Top Solar PV Plant ", International Research Journal of Engineering and Technology (IRJET) , ISSN 2395-0056, Volume 04, Issue 07, PP. 1823-1827, July 2017.
- 28) Jayanna Kanchikere, K. Kalyankumar, "Real Time Monitoring and Simulation Analysis of 30WP off Grid Solar Rooftop Photovoltaic Power Plant", International Research Journal of Engineering and Technology (IRJET) , ISSN 2395-0056, Volume 04, Issue 07, PP. 1304-1308, July 2017.
- 29) Jayanna Kanchikere, K. Kalyankumar, " Real Time Monitoring and Performance Evaluation of 5WP off-Grid Solar Rooftop photovoltaic power using PV syst", International Journal of Research and Scientific Innovation (IJRSI) , ISSN 2321-2705, Volume IV, Issue VIS, PP. 45-48, June 2017.

- 30) Jayanna Kanchikere, K. Kalyankumar, “An Analysis of Small Scale Grid Connected Rooftop Solar Power Generation- A Pilot Scheme”, International Journal of Electronics Engineering Research (IJEER), IISN 0975-6450, Volume 9, Number 4, PP.599-612, May 2017.
- 31) Jayanna Kanchikere, K. Kalyankumar, Rajangam K, “Simulation Analysis of 8KW Grid Connected Solar Rooftop Photovoltaic Power Plant in Davangere using PV Syst”, International Journal of Renewable Energy and Environmental Engineering (IJREEE), IISN 2348-0157, Volume 05, Number 01, PP.45-52, Jan-March 2017.
- 32) Jayanna Kanchikere, K. Kalyankumar, “An Analysis of 8KW Real Time Grid Connected Solar Rooftop Photovoltaic Power Plant in Davangere ”, International Journal of Renewable Energy and Environmental Engineering (IJREEE), IISN 2348-0157, Volume 05, Number 01, PP.40-44, Jan-March 2017.
- 33) Jayanna Kanchikere, K. Kalyankumar, “Estimation of Cost Analysis for 5KW Grid Connected Solar Roof Top Power Plant”, International Journal of Engineering Science and Computing (IJESC); IISN 2321-3361, Volume 6, Issue No.4, PP.4505-4507, April 2016.
- 34) Jayanna Kanchikere, K. Kalyankumar, Kotresh K, “A 5KW Photovoltaic Solar Roof Top Power Plant Design”, International Journal of Engineering Science and Computing (IJESC); IISN 2321-3361, Volume 6, Issue No.4, PP.4501-4504, April 2016.
- 35) Jayanna Kanchikere, “Aerodynamic factors affecting wind turbine Power generation”, International Journal of Engineering Research and Technology (IJERT); IISN 2278-0181, Volume 1, Issue 9, Nov-2012.

Research Publications in International Conferences:

- 1) Nallapaneni Manoj Kumar, Pratima Das, Jayanna Kanchikere “Applicability of Wearable Smart Glass for Solar Power Plant Operation and Maintenance” Conference Proceedings of Second International Conference on Green Computing and Internet of Things (ICGCIoT) at Global Academy of Technology, Bangalore, P.P. 497-502, 16-18 August 2018, ISBN: 978-1-5386-5657-0/18/\$31.00@2018 IEEE
- 2) Jayanna Kanchikere, Sunil Kumar P, Kalyan Kumar, Sudhakumari Jha “ Simulation Analysis for 10KWp Off- Grid Rooftop Solar PV Plant”, Conference Proceeding of International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2018) at OM Institute of Technology & Management, Hisar, P.P. 394-396, 04th Feb, 2018, ISBN: 978-93-87433-11-3

- 3) Jayanna Kanchikere, Kalyan Kumar, Sudha Kumari Jha, “ Performance and Simulation Analysis of 250W off-grid Solar PV Plant”, IEEE Conference Proceedings of International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), at Priyadarshini Engineering College, Vaniyambad, Tamilnadu, P.P.448-451, Issue VI, 28th & 29th Jan, 2018, ISBN: CEP18O37-PRT-978-1-5386-4303-7
- 4) Jayanna Kanchikere, Kalyan Kumar, Sudha Kumari Jha, “ Real Time Monitoring and Performance Evaluation of 80KW Grid connected Rooftop Solar Power Plant at St. Peter’s Engineering College, Hyderabad”, IEEE Conference Proceedings of International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), at Priyadarshini Engineering College, Vaniyambad, Tamilnadu, P.P.430-438, Issue IX, 28th & 29th Jan, 2018, ISBN: CEP18O37-PRT-978-1-5386-4303-7
- 5) Jayanna Kanchikere, Kalyan Kumar, Sudhakumari Jha, “ A Review of 100KW rooftop Solar PV Plant”, Conference Proceeding of International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2018), at The Institution of Engineers, India, Maharashtra state Centre, Khadye Marg, Mumbai, p.p. 324-329, 7th January 2018, ISBN: 978-93-87433-08-3
- 6) Jayanna Kanchikere, Kalyan Kumar, Sudhakumari Jha, G. Mohan Krishna, “ An Analysis of 80KWp Grid Connected Rooftop Solar Power Generation at St. Peter’s Engineering College, Hyderabad”, Conference Proceeding of International Conference on Latest Concepts in Science, Technology, Management and Humanities (ICLCSTMH), PP. 471- 478, ISBN: 978-93-87433-05-2 at Gwalior Institute of Information Technology, Gwalior, 17th Dec, 2017.
- 7) Jayanna.K, Ravichander K.P, “Distributed Generation by way of setting up small Generating units based on Bio gas plant in rural group scheme” Proceedings of the IEE International conference on Energy, Information Technology and Power sector 2005, Pages 488- 490, Science city, Kolkata 28-29 Jan 2005
- 8) Jayanna.K,” Steady state and Transient Behavior of variable speed Hydro generators with slip recovery scheme” Proceedings of the International conference on Renewable Energy, Vol2, Pages 57-64, CBIP, New Delhi 6-8 Oct 2004

Research Publications in National Conferences:

- 1) Jayanna.K, “Comparison of Electrical Systems in Wind Energy Conversion Schemes “ Proceedings of the National conference on Emerging Trends in Energy and Environment 2005, PP.145-148, Sri Sai Ram Engineering College, Chennai, 18-19 Feb 2005
- 2) Jayanna.K, “Importance of Energy Conservation and Energy Audit in All sectors” Proceedings of the National conference on Energy Management 2004, Pages 136-139, KCT, Coimbatore, 15-17 July, 2004.

- 3) Published paper on “Role of MIS for enhancing productivity for RTPS to National conference on IT 2000”, organized by KREC surathkal.

Research Publications in National Seminars:

- 1) Jayanna.K, Dr.Amarnath.j, Dr. U.K. Choudhury,”Modelling of the wind turbine with Doubly Fed Induction Generator for slip power recovery” Proceedings of the All India seminar on emerging trends in Power sector, PP.1-20, Birla Institute of Technology, Mesra, Ranchi, 05-06 Aug. 2006.

Professional memberships:

NAME OF THE ORGANISATION

TYPE OF MEMBERSHIP & No.

ISTE (INDIA)	MISTE (Life Time); LM20870
IEI (INDIA)	MIE (Life Time); M-131559-5
IAENG (UK)	MIAENG (Life Time); 206078
SIESRP (Malaysia)	MSIESRP (Life member) 914846-M
ASDF (UK)	MASDF (Life member); 5434440911772586
ISRD (UK)	FISRD (Life Time); F3140900907
ASME (USA)	MASME; 102226467
SESI (India)	MSESI; SM/4496/2017
IEDRC, UK	MIEDRC; 90081157
IREC, UK	FIRED; SM10100059201

Computer Knowledge:

MS Office, Matlab7.01, MI Power, Orcad & Pspice, PS CAD, AUTO CAD Electrical, Magnet, CAPSOC, PSAF,SKM, Modelsim, Keil & C language, PV syst, Homer, Pv Sol.

Present Designation: Professor of EEE in St.Peter’s Engineering College, Hyderabad.

Present Salary: Rs 95,000-00PM

Salary expected: Rs 1, 30,000-00PM

Notice period: 3 Months

Course & Seminars etc Attended:

Description of course	Name of the institution	From	To	Duration
Conference on IT for 21 st Century	Karnataka Regional Engineering College	19/12/1996	21/12/1996	3 days
Two-day workshop on Power System protection	SIT, Tumkur	25/08/2001	26/08/2001	2 days
Conference on Distributed Power Generation	CII, Bangalore	20/02/2003	21/02/2003	2 days
workshop on Recent Industrial Trends in Electric Drives	MSRIT, Bangalore	09/07/2003	09/07/2003	1 day
National Seminar on Modeling & Simulation of Electrical Systems	SVCE, Sriperumbudur	13/03/2003	15/03/2003	3 days
Energy audit & Conservation in Distributed systems	PSTI, Bangalore	21/07/2003	25/07/2003	5 days
Control Systems Engineering using Mat lab	M.S. Ramaiah School of Advanced studies in Bangalore	07/08/2003	18/09/2003	40 days
Energy Management to meet the challenges of Energy requirements	KCT, Coimbatore	15/07/2004	17/07/2004	3 days
Electromagnetic fields & its applications	CVRCE, Hyderabad	21/06/2004	26/06/2004	6 days
Renewable Energy	CBIP, Newdelhi	07/10/2004	07/10/2004	1 day
Conference on Energy, IT & Power Sector	IEEE (Calcutta) in Calcutta	28/01/2005	29/01/2005	2 days
Emerging Trends in Energy & Environment	Sri Sairam Engineering College, Chennai	18/02/2005	19/02/2005	2days
All India seminar on Emerging Trends in Power sector	Birla Institute of Technology, Mesra	05/08/2006	06/08/2006	2 days
Power System Operation & Control	Gogte Institute of Technology	18/02/2010	18/02/2010	1 day
Matlab Programming to Contemporary real world Engineering Problems	Bharat Institute of Engineering & Technology	22/02/2017	23/02/2017	2 days
Faculty Development Programme on Impact of Custom Power Devices in Power Systems	Malla Reddy Institute of Engineering & Technology	27/06/2018	01/07/2018	5 days

Project Work:

Graduation (B.E.):

CAD and Fabrication of Single-Phase induction motor

This project work, Computer aided design and fabrication of single phase induction motor, deals with computer aided design, fabrication, constructional features and characteristics of single phase $\frac{1}{4}$ H.P., 50 Hz, 1440 rpm, 4 Pole induction motor of capacitor start type.

Post Graduation (M.Tech):

Study of power productivity for Raichur Thermal Power Station

This project presents a case study of Raichur Thermal Power station to study productivity and its applications. The study also includes the selection of an appropriate measurement model to study the different characteristics and dimension of productivity. It also discusses the improvement of productivity through the step-by-step guidelines for implementing a productivity improvement program. In the suggested productivity improvement program, an effort has been made to identify the factors that have strong correlation with total productivity.

Doctor of Philosophy (PhD)

Analysis of Variable Speed Wind Generator for Slip Power Recovery Scheme

In wind applications normally cage rotor induction machines will be used as induction generators. It is proposed to use slip ring induction machine with two windings so that variable speed operation of the wind generator can be obtained. Wind varies from time to time that leads to variable speed operation of a wind turbine.

This research presents wind energy conversion system using grid connected wound rotor induction machine, compared this with fixed speed using cage rotor induction machine. It is well known that wind is characterized by wide variations in wind. As a result, conventional synchronous generators, which are basically constant speed, constant frequency is not suited for use in such schemes. This report the presents the use of a class of doubly fed induction generators for the energy conversion process in wind stations.

Mathematical modeling of both squirrel cage induction machine and slip ring induction machine are studied. Active and reactive power flows with respect to the variations in wind are investigated in this report. Simulation studies of a machine are presented to show the substantial advantages of doubly fed system over conventional systems. In this research, a variable speed wind turbine-generator models are developed with power electronics based frequency converter to simulate rotor current to meet the command of real & reactive power production. These models are simulated using simulation tool MATLAB 7.01 Version. The objective is to investigate the behavior of wind turbine for various penetrations of wind power. The output power variation of wind turbine for different blade diameters and at different air densities are also simulated using Matlab.

Specific areas of interest:

Renewable Energy like wind, solar & small Hydro, Power system operation & control, Power electronics & drives, Energy conservation & Energy audit and Electrical Machines.

Handling of specific assignment:

Presently teaching, projects guiding, Institute R & D work coordinating & e-Journal work.

I can handle design of solar PV module, Small Hydro project and Thermal power plant design.

I can handle simulation analysis in Solar, Hydro & wind Energy conversion systems.

I can perform wind site assessment, erection work of wind power plant.

Energy Audit & Conservation consultancy work for Industries.

Awareness of QA process & Methodologies.

Electrical Maintenance of substation, steel wire & rope plant, Mining plant,

O & M, tender, project management works.

Trainer for fresh Engineers in Industry & making MOU with Institutions for product development. Knowledge of manufacturing process of batteries, cables, steel wires & ropes.

Knowledge and exposure to outcome based education.

Personal Details:

Fathers name	K. Shivanandappa
Date of Birth	23 rd June 1969
Passport No.	J8443220 (valid till 25/08/2021)
Marital Status	Married
Nationality	Indian

***Work experience:**

Name & Address of Employer	Period of employment		Position/ Designation	Emoluments: Total gross/per Month	Reason For Leaving
	From	To			
St.Peter's Engineering College	09.09.2017	Till Date	Professor	Rs 95,000-00	---
Bharat Institute of Engineering & Technology	06.02.2017	07.07.2017	Professor	Rs 1, 15,000	Far from City
GM Institute of Technology	06.01.2016	10.01.2017	Professor	Rs 70,000	Good Salary Hike.
Malla Reddy Engineering College	07.02.2015	19.11.2015	Professor	Rs 70,000	Got Job in my Native Place.
Higher College of Technology	20.12.2011	19.06.2014	Lecturer	Rs 2,02,800	Personal Problem
HKBK College of Engineering	31.07.2009	08.08.2011	Assistant Professor	Rs 45,247	Got job outside India.
The ICFAI Institute of Science & Technology, ICFAI University.	12.05.2006	30.07.2009	Faculty member/Prof	Rs 44,154	College Closed due to recognition Problem.
Vignan Institute of Technology and Science	25.11.2004	20.12.2005	Associate Professor	Rs 27,474	Got job in Private University
MVJ college of Engineering	03.10.1997	31.01.2004	Lecturer	Rs 14,647	Promoted to Associate Professor
Jagadguru Murugarajendra Institute of Technology	28.11.1994	02.09.95	Lecturer	Rs 1,890	To do M.Tech in KREC.
Aradhya Steel Wires Private Limited	20.11.1993	24.11.1994	Electrical Maintenance Engineer	Rs 2000	Planning for Higher studies
Mineral Enterprises (P) Limited	07.10.1992	15.11.1993	Electrical Engineer	Rs 2000	Got Job in my Native Place
Karnataka Electricity Board	02.09.1991	01.09.1992	Graduate Technical Apprentice Trainee	Rs 700	Contract Job

Statement of teaching goals:

- The following courses are taught (Figures in bracket indicates number of times the Course was taught):

Electrical Science (3), Electric Circuits (2), Networks theory(2), Electromagnetic fields (4), Control systems(3), High voltage Engineering(2), Electrical Machines-I(2),Power plant Engineering (2), Electric Drives & Traction(2), Transmission & Distribution(1), Switch gear & Protection(2), Engineering Management practice(1), Electric power generation(2), Electrical Technology(1), Electro mechanics-III(1), Electro mechanics-I(1), Non-Conventional Energy sources(1), Basic Electrical Engineering(2), Modeling of power system components(2), Analysis of Linear systems(1), HVDC Transmission systems(2), Electronic devices and Integrated circuits(1), Digital Electronics & Computer organization(1), power systems-I(1),Power system operation & control(1), DC Machines & Synchronous Machines(1), Electrical Engineering materials(1), Energy Audit & Demand side management(1), Power stations(3),Electric Power Systems(3), Power System operation & Reliability(1), Renewable Energy Sources(1),Electrical Machines-III(1),Basic Electrical Engineering(2)

- The following Lab manuals are prepared and also handled the Labs.

Controls & Relay Lab, High voltage Lab, Orcad & Pspice Lab, Electrical simulation Lab, Electro mechanics Lab I & II, Transformers & Induction machines Lab & DC machines & synchronous machines Lab.

- The other additional works performed are:

Administrative works like In charge HOD of the department, In charge of Library, In charge Electrical Engineer of an Institution, Internship faculty, Speaker in short term courses, Institution member of ISO, NBA and NAAC, Department R&D Head.

Statement of Research:

I conducted real time monitoring and Simulation analysis of Grid Connected Solar roof top Power plant of 8KWp, 30KWp and 80 KWp and built prototype off-grid rooftop power plant of 5Wp and conducted real time monitoring and simulation analysis of off-grid solar power plants of 30Wp, 250Wp and 1KWp.

30KWp grid connected roof top Power plant installed at St.Peter's International school.

80KWp grid connected roof top Power plant installed at St.Peter's Engineering College.

References:

- 1) Dr.Chaitanya Kumar
Dean, School of Engineering,
CMR University,
Bangalore
Karnataka state, INDIA
Ph: Off:+91 9845346072
Email: dr.mvck@gmail.com

- 2) Dr. U.K. Chowdhary
Sr.DGM, Electrical Machines Division,
R & D unit, BHEL,
New Delhi, INDIA
Ph: (off) +91 9985306575
Email: umakant@bhelrnd.co.in

- 3) Dr. S M Shashidar,
HOD,Mechanical Engineering,
Sridevi Institute of Engineering and Technology,
Tumkur
Karnataka state, INDIA.
Ph: +91 9886881791
Email: smshashidhara@yahoo.com