

# **CURRICULUM VITAE**



**Dr. JAGHANNATH.K**

ISTE LIFE MEMBER (LM-91715)

**ADDRESS:**

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***Sub: Application for the post of Teaching in Electrical and Electronics Engineering (EEE)***

## **OBJECTIVE**

To work in a challenging environment where I can enhance my skills and contribute my innovative thoughts towards the goals of organization.

## **EDUCATIONAL QUALIFICATIONS**

<b>Sl. No.</b>	<b>Exam passed</b>	<b>Specialization</b>	<b>Board or University</b>	<b>Month &amp; passing year</b>	<b>% of Marks</b>
1	<b>PhD</b>	<b>E.E.E</b>	OPJS University,Churu Rajasthan.	December, 2017.	71%
2	<b>M.Tech</b>	<b>Power Electronics</b>	William Carey University Shillong. Meghalaya	June 2010.	70.8%
3	<b>M.Tech</b>	<b>Power system (HVE)</b>	R.E.C- Warangal(u) JNTU,Hyd	October, 2014.	81.4%
4	<b>B.Tech</b>	<b>E.E.E</b>	JNTU,Hyd	May 2008.	64.46%
5	<b>INTERMEDIATE</b>	<b>M.P.C</b>	BIE,Hyd	MARCH, 2004.	67.18%
6	<b>SSC</b>	-	BSE,Hyd	MARCH 2002.	78.6%

## **WORK EXPERIENCE**

### **TOTAL EXPERIENCE 10 YEARS**

#### ➤ **Teaching -5 years,**

Worked as Assistant professor in EEE Department in SVS Group of institutions Warangal. (July 2010 to September 2012.)

#### ➤ **Research-3 years.**

➤ Presently working as an Associate professor and HOD of EEE department in SVS Group of institutions Warangal. From February 2018 to till date.

➤ In SVS Group of institutions Warangal performed the duty as NBA (National Board of Accreditation) coordinator for EEE department. And got first time accreditation for three years from 2013.

➤ Presently performing the duty as NBA (National Board of Accreditation) coordinator for SVS Group of institutions Warangal.

#### **Experience in conducting conferences/workshop//FDP's.**

✚ Active Advisory committee Member of the Telengana chapter ID – PM42069537. For IFERP conducted international conferences in India.

## **PAPERS PUBLISHED AND CONFERENCES**

### **PAPERS PUBLISHED**

1) **Implementation and Analysis of Space Vector Pulse width Amplitude Modulation for a Buck–Boost Voltage/Current Source Inverter**

ISSN 2348–2370 Vol.07, Issue.10, August-2015, Pages: 1819-1826 [www.ijatir.org](http://www.ijatir.org)

2) **A Novel control design of a variable speed cage induction generator by using FLC**

International journal of professional engineering studies volume iii/issue 1/Aug 2014

3) **A Novel Technique to Support Voltage Control for Statcom under Unbalanced Voltage Sag**

International Journal for Research in Applied Science & Engineering Technology (IJRASET) [www.ijraset.com](http://www.ijraset.com) Volume 3 Issue VII, July 2015 IC Value: 13.98 ISSN: 2321-9653

4) **Application of Resonant Current Control in a PV -GRID System**

IOJETR TRANCTIONS ON SMART GRID IOJETRTRANSDS POWER ENGG 2000; 18:327-343 PUBLISHED ON LINE 30 OCTOBER 2014

**5) Simulation of Speed Control Methods of Three Phase induction Motor using SIMLINK/MATLAB**

Proceedings of International Conference on Emerging Trends in Engineering & Technology – ICETET 2014, 29th, 30th September, 2014 – Warangal Telengana

**6) Ethics and values: The need for student awareness of workplace value systems**

International Journal of Engineering Research and General Science Volume 4, Issue 3, May-June, 2016 ISSN 2091-2730 [www.ijergs.org](http://www.ijergs.org)

**7) Low Frequency Ac Transmission System for Offshore Wind Farm by Using DC/AC/AC Converter**

Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-7, 2016 ISSN: 2454-1362, <http://www.onlinejournal.in>

**8) A Facts Device: Distributed Power-Flow Controller (DPFC)**

International Research Journal of Advanced Engineering and Science ISSN: 2455-9024

**9) Control of reduced-rating dynamic voltage restorer with a battery energy storage**

System Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-9, 2016 ISSN: 2454-1362, <http://www.onlinejournal.in>

**10) A Unique Current Installation Method with A SRFT**

(IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.4, Issue No.4, June – July 2016, 3150 – 3152. 2013-2016 <http://www.ijitr.com>

**11) Measurement of Air Breakdown Voltage and Electric Field Using Standard Sphere Gap Method**

Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-10, 2016 ISSN: 2454-1362, <http://www.onlinejournal.in>

**12) Present Scenario of Electrical Energy Policy in India**

International Research Journal of Management Science & Technology <http://www.irjmst.com> IRJMST Vol8 Issue 11 [Year 2017] ISSN 2250 – 1959 (Online) 2348 – 9367 (Print)

**13) Measurement of Dielectric Strength of 5 kV Ethylene Propylene Rubber (EPR) Cable under AC Voltage**

Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-10, 2016 ISSN: 2454-1362, <http://www.onlinejournal.in>

**14) Using FLC, Design and Novel Control of a Variable Speed Cage Induction Generator**

EIJO Journal of Engineering, Technology And Innovative Research (EIJO–JETIR) Einstein International Journal Organization (EIJO) Available Online at: [www.eijo.in](http://www.eijo.in) Volume – 2, Issue – 1, January – February 2017, Page No. : 01- 12 ISSN: 2455 – 9172

15) **Amelioration of Seven Level Inverter by Using POD and PWM Methods**  
International Journal of Engineering Research and Generic Science (IJERGS) Available Online at [www.ijergs.in](http://www.ijergs.in) Volume -3, Issue - 4, July - August 2017, Page No. 07 - 11 Page No. 07 - 11 Page 7 ISSN:

16) **Development of Cascade Full- Bridge Dual Buck Inverter with Phase-Shift Control Various PWM Techniques**

International Journal of Engineering Research and Generic Science (IJERGS) Available Online at [www.ijergs.in](http://www.ijergs.in) Volume -3, Issue - 4, July - August 2017, Page No. 12 – 19

17) **Dual Purpose Portable Solar E-Bike with Optimized Design**

International Journal of Engineering Science Technology And Research (IJESTR)  
Available Online at: [www.ijestr.com](http://www.ijestr.com) Volume –4, Issue – 2, March - April - 2019, Page No. 11 – 18

18) **Design and Implementation of Hybrid Solar E-Vehicle**

International Journal of Engineering Science Technology And Research (IJESTR)  
Available Online at: [www.ijestr.com](http://www.ijestr.com) Volume –4, Issue – 2, March - April - 2019, Page No. 05 – 10

19) **Intelligent Energy Management of Electrical Power Systems with Distributed Feeding on the basis of Forecasts of Demand and Generation**

International Research Journal of Management Science & Technology  
<http://www.irjmst.com> IRJMST Vol6 Issue 12 [Year 2015] ISSN 2250 – 1959, 2348 – 9367

## CONFERENCES



- 1) International conference on computing communication and electrical technologies (ICCCET-2019). At G.Narayanamma institute of technology and science (for women), Hyderabad, Telengana on 29<sup>th</sup>-30<sup>th</sup> August 2019.
- 2) 19<sup>th</sup> IRF international conference 24<sup>th</sup> January, 2016, Bengaluru, India (ICEEME-BENGALURU)
- 3) International Conference on Emerging Trends in Engineering & Technology 2014 , SEP 29<sup>th</sup>, 30<sup>th</sup> Warangal, Telengana
- 4) IRF international conference 20<sup>th</sup> NOVEMBER, 2016, PUNE, India (PUNE).

## FACULTY DEVELOPMENT PROGRAM & WORK SHOP ATTENDED

- 1) Two week Faculty Development program on **RECENT TRENDS IN EMBEDDED SYSTEMS & SIGNAL PROCESSING** Sponsored by AICTE New Delhi on (21/09/13 to 4/10/13).
- 2) Two –Week ISTE work shop on **SIGNALS & SYSTEMS** this work shop was held under the national mission on education through ICT (MHRD) Conducted by Indian Institute of Technology Kharagpur. 2nd Nov to 12<sup>th</sup> January, 2014
- 3) Two –Week ISTE work shop on **ENGINEERING MECHANICS** this work shop was held under the national mission on education through ICT (MHRD) Conducted by Indian Institute of Technology Bombay from. 26<sup>th</sup> Nov to 06<sup>th</sup> Dec, 2013

- 4) A national Level Work shop ***ON POWER QUALITY IMPROVEMENT IN DISTRIBUTED GENERATION*** organized by department of electrical & electronics engineering at CJIT Jangon on 9<sup>th</sup> & 10<sup>th</sup> September, 2011
- 5) AICTE Sponsored Two Weeks Faculty Development Program on ***RENEWABLE ENERGY MANAGEMENT AND ADVANCE TECHNIQUES FOR A SUSTAINABLE FUTURE.(REMATSF-2017)***.Organized by Department of EEE,SR Engineering college ,Warangal. From 27<sup>th</sup> November -9<sup>th</sup> DEC-2017.
- 6) One Week Faculty development program on ***CHALLENGES AND ADVANCES IN RENEWABLE ENERGY SOURCES (CARES-2017)***.Kamala institute of Technology and Science Singapur, Huzurabad.
- 7) One Week Faculty development program on **RENEWABLE ENERGY TECHNOLOGIES AND DISTRIBUTED GENERATION-2017(RET&DG-2017)** held during 22<sup>nd</sup> to 27<sup>th</sup> April, 2017 Organized by EEE Department.
- 8) The work shop was held under the National Mission on Education through ICT (MHRD) **GRADE-EXCELLENT** held on 12<sup>th</sup> June to 15<sup>th</sup> July 2017. Two Week work shop on ***Electric Power System***.Conucted by IIT Kharagpur.
- 9) One Week Faculty Development Program on ***IMPACT OF CUSTOM POWER DEVICES IN POWER SYSTEMS***, Organized by Department of EEE held from 27<sup>th</sup> June to 1<sup>st</sup> July 2018.Malla Reddy Institute of Engineering and Technology.
- 10) **One Week Faculty Development Program on RECENT TRENDS IN ELECTRICAL ENGINEERING**, Organized by Department of EEE held from 9-12-2016 to 15-12-2016. JAYAMUKI INSTITUTE OF TECHNOLOGICAL SCIENCES.
- 11) **Two-day ISTE WORKSHOP on Aakash for Education Conducted by IIT Bombay** on 10<sup>th</sup> & 11<sup>th</sup> November,2013.This work shop was held under the National Mission on Education through ICT(MHRD)

## **LABS ESTABLISHED**

-  Solar power plant was established in power converters lab
-  Established electrical machines lab

## **Live project**

### **Solar E- bike developed by me (Dr.JAGHANNATH.K)**

The solar assisted bike is driven by DC motor fitted in back axle housing & operated by solar energy. The solar panel mounted on the carriage is charge the battery & which in turn drive the hub motor. When the bike is idle during the day, the solar panel will charge the battery. The system will make bike operate more efficiently.



**Solar E- bike**

**Specifications of a Bike**

<b>Drive</b>	Dual Powered (motor and pedal driven)
<b>Weight</b>	40 Kg
<b>Riders Weight</b>	80 kg
<b>Load capacity</b>	120 kg
<b>Size</b>	1410×540×1040 mm

**SUBJECTS TAUGHT**

1. Electrical machines-I
2. Electrical machines-II
3. Electrical machines-III
4. Power systems-I
5. Switch gear and protection
6. Power systems-II
7. Power electronics
8. Electrical circuits
9. Principles of electrical engineering
10. Renewable energy sources
11. Power semi conductor drives
12. High voltage engineering
13. Electrical distribution system

**LABS HANDELED**

1. Electrical machines-I
2. Electrical machines-II
3. Electrical measurements
4. Power electronics & simulation

5. Electrical circuits & simulation

## TECHNICAL SKILLS

**Operating systems:** WINDOWS XP, Vista MS-DOS

**Languages:** C, C++, PASCAL, INTEL 8085, 8086 ALP.

**Packages:** MATLAB/SIMULINK, PSPICE, PSIM

## ACTING AS AN EDITOR FOR THE FOLLOWIN JOURNALS

- ✚ International Journal of Engineering Research and Generic Science (IJERGS)
- ✚ International Journal of Engineering Science Technology and Research (IJESTR)
- ✚ International Journal Of Engineering, Science Technology And Research
- ✚ EIJO Journal of Engineering, Technology and Innovative Research (EIJO-JETIR)
- ✚ EIJO: Journal of Science, Technology and Innovative Research (EIJO-JSTIR)

## HOBBIES

- ✚ Reading books.
- ✚ Playing cricket.

## ACHIVEMENTS

- ✚ 90% Result in all classes
- ✚ Got student favorite teacher award
- ✚ **FET-2010-QUALIFIED**
- ✚ **Certificate of Appreciation for conducting ONE WEEK WORKSHOP (11<sup>th</sup> to 16<sup>th</sup> MARCH-2019.**
- ✚ **ISTE LIFE MEMBER (LM-91715)**
- ✚ **Advisory committee Member of the Telengana chapter ID – PM42069537. For IFERP.**

## PERSONAL DETAILS

Name : K.Jaghannath  
Father's name : K.yellaiah,  
Date of birth : 10<sup>th</sup> Feb1987,  
Nationality : Indian,  
Marital Status : Married  
Languages known : English, Hindi, Telugu.  
Permanent Address : H.No:25-9-60, Bapujinagar,  
Kazipet, Warangal (dist)

## DECLARATION

I here by declared that above information is true to best of my knowledge.

Date:

Place: Kazipet

Dr.JAGHANNATH.K