

## **PROFILE**

**Name:** Sri.K. Kalyan Kumar

**Designation:** Assistant Professor

**D.O.B:** 08.01.1983

**D.O.J:** 01.12.2006

**Years of Experience:** 10 Years

**E-mail:** kalyankumark13@gmail.com

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### **Experience Summary:**

- ❖ Working as Assistant Professor in the department of Electrical and Electronics Engineering, KSRMCE, Kadapa from “**01-12-2006**”.
- ❖ Worked as Asst. Manager in Annapurna Electronics, Bangalore from April 2005 to November 2006.

### **Academic Qualifications**

- ❖ Completed SSC in “**A.P.R. SCHOOL, GYARAMPALLI**” in the year “**1998**”.
- ❖ Bachelor of Engineering in Electrical Engineering from JNT University, Hyderabad in the year “**2004**”.
- ❖ Master of Technology in the Specialization of Electrical Power Engineering from JNT University Hyderabad in the year “**2010**”.

### **Guidance Particulars**

- ✚ B. Tech Projects – 16
- ✚ M. Tech Projects – 10

### **Subjects Taught under UG & PG Level**

#### **UG Level:**

- UTILIZATION OF ELECTRICAL POWER.
- MODERN CONTROL THEORY.
- ELECTRICAL MACHINES.
- ELECTRICAL TECHNOLOGY.
- ELECTRO MECHANICAL ENERGY CONVERSION –II.
- ELECTRO MECHANICAL ENERGY CONVERSION –III.
- ELECTRICAL MACHINE DESIGN.
- SPECIAL ELECTRICAL MACHINES.
- POWER SYSTEM ANALYSIS.

- ELECTRICAL DISTRIBUTION SYSTEMS.
- POWER SYSTEMS – II.
- MATLAB.

**PG Level:**

- ENERGY CONVERSION SYSTEMS.
- REACTIVE POWER CONTROL AND MANAGEMENT.
- MODERN CONTROL THEORY.

**Journals Published**

1. K. Kalyan Kumar and V. Surya Prakash, “Improving Power Quality by Using MC – UPQC”, IJERA, Vol. 2, Issue 5, October 2012.
2. K. Kalyan Kumar and N. Trivikram Raju, “Hybrid wind photovoltaic system with multi input CUK-SEPIC Rectifier Topology” IJSETR, Vol. 2, Issue 13, October 2013.
3. K. Kalyan Kumar and G. Venkata Sudhir, “A Control Strategy of a Permanent Magnet Synchronous Generator based Stand alone Variable Speed Wind Turbine”, in IJSETR, Vol. 2, Issue 15, November 2013.
4. K. Kalyan Kumar and P. Padma Priya, “Power Quality Improvement by using Hysteresis Voltage Control Technique in Dynamic Voltage Restorer”, in IJETTSE, Vol. 2, Issue 3, pp. 254-258, 2014.
5. K. Kalyan Kumar and P. C. Chandra Mouli, “PLL Aided Fault Detection for Fast Protection of Strong Power System’, in IJPRES, Vol. 14, Issue 1, September 2014.
6. K. Kalyan Kumar and M.Jagadeeswar Reddy, “Positioning of Super conducting Fault Current Limiter For the Smart Grid Application Using Simulink’, in IJOEET, Vol. 03, Issue 3,AUG-2015.
7. K. Kalyan Kumar and B.Prasanna Lakshmi, “Improvement of Voltage Profile using STATCOM with Adaptive PI Control’, in IJSETR, Vol. 04, Issue 34,AUG-2015.
8. K. Kalyan Kumar and G. Madhan Mohan Reddy, “Two level Inverter based STATCOM for high power Applications with PQ Controller’, in IJMETMR, Vol. 03, Issue 7, JULY-2016.

**Conferences attended**

1. K. Kalyan Kumar, K. Rama Mohan Reddy and K. Vijaya Kumar, “Simulation of Series FACTS Controllers”, EAR-2008 National Conference, JNTUCEA – Ananthapur, May 3<sup>rd</sup> 2008.
2. K. Kalyan Kumar and G. Venkata Sagar, “Improving power quality by using MC-UPQC”, Proceedings of National conference on Electrical Sciences (NCES-12), September 2012.

### **Workshops Attended**

1. One-Day Workshop on “MATLAB for Engineers” at Intel Engineering College, Anantapur on 14<sup>th</sup> August 2008.
2. Participated in the Two day workshop on “e- learning and effective teaching” on September 24-25, 2010.
3. Attended the complimentary seminar on “MATLAB & SIMULINK for Engineering Education” on 6<sup>th</sup> September 2011.
4. Participated in Two day workshop on “Advances in Power System” during 5 - 6<sup>th</sup> July 2013 at SVUCE, Tirupathi.
5. Participated in One day workshop on “Principles of Power System Reliability” during 23<sup>rd</sup> March 2014 at NIST, Rajampet.
6. Participated in National Seminar on “Challenging, Approaches and Practical Implementation of Microgrids” at MITS, Madanapalli during 28<sup>th</sup> to 30<sup>th</sup> September 2015
7. Participated in one day Didactical Program as “Crafting Powerful questions” organized by JNTUA College of Engineering, Anantapuramu on 16<sup>th</sup> JULY-2016.

### **Guest Lectures**

- Delivered a lecture on “TIDAL ENERGY” at IEI local center, KADAPA.

### **Memberships**

- ISTE Membership with a Membership No. “**LM 107115**”
- IEI Membership with a Membership No. “**AM 100226-3**”

### **Administration Service**

- Actively participated and worked for various committees like NBA, NAAC and Autonomous.
- Acting as a member for BOS.

### **Extra-curricular Activities**

- Acted as a coordinator for Department Techfest.