



## Candidate Profile

**Dr.KrishanGopal Sharma**

<b>Designation</b>	Associate Professor& Head
<b>Qualification</b>	M.Tech, PhD
<b>Contact Detail</b>	Dept. Of Electrical Engineering, Govt. EngineeringCollegeAjmer,NH-8, Barliya Circle, Ajmer (Rajasthan) Pin code: 305025
<b>Date of Birth</b>	3 <sup>rd</sup> may 1976
<b>Email</b>	<a href="mailto:kgsharma05@rediffmail.com">kgsharma05@rediffmail.com</a>
<b>Phone no.</b>	09829533081 (P), 0145-2671776(0)

### **Academic Qualification:**

- **Ph.D.** (Feb. 2015)fromRajasthan Technical University-Kota
- **M.Tech**(power system) (2003) from MNIT-Jaipur
- **B.E** (Electrical Engineering) (2000) from CTAE-Udaipur

### **Professional Qualification:**

- Energy Auditor, Energy Manager (25 oct. 2010)

### **Work Experiences:**

- **Teaching**

Assistant Professor (From July 2003-Marh 2008)

Associate Professor (From March 2008-till date)

- **Industry**

Testing Engineer (From July 2000-June 2001)

**Administrative Responsibilities:**

- **Head of the Department**  
Manage and develop the department to ensure it achieves the highest possible standards of excellence in all its activities.
- **Chief Warden**  
Policy framework/decisions regarding hostels, overall supervision of administrative control of Hostels and Messes,
- **Electrical Estate Advisor**  
Establish the college electrical grid (400 KVA, 11/0.440 KV), entail technical, interpersonal and administrative responsibilities, coordinating and scheduling their team, as well as ensuring quality work, hands-on duties such as troubleshooting and repair when needed, Administrative duties such as inventory and budgeting
- **Course Plan Coordinator**
- **Assistance Centre Superintendent of Exam.**
- **Co-Convener of mahilaAyogat College Level**
- **Security Incharge**
- **UG-Coordinator**
- **Convener and member of various important**
- **Project Coordinator**
- **Seminar Coordinator**

**Membership of Professional Societies:**

1. Associate Member of institution of Engineers (India) AM094213-0
2. Life Member of Indian Society for Technical Education (ISTE)  
LM 70071
3. Member of Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) – 30577
4. Member of Indian Society of Lighting Engineers (ISLE)

**ASSIGNMENTS OF OTHER AGENCIES:**

- Member of selection boards of RPSC, Ajmer
- Head of Examiner of copy Evaluation in RPSC, Ajmer
- Member of Paper Setter in RPSC, Ajmer
- Member of recruitment of J. En. For AVVNL, Ajmer
- Member of inspection of AICTE team and other universities for affiliation of Engineering Colleges
- Examiner of M.Tech. Dissertation at RTU, Kota, MPUAT, Udaipur
- Paper Setter of various other universities

### **List of Continuing Education Programme Attended**

<b>S.N o.</b>	<b>Title of Course</b>	<b>Venue</b>	<b>From- TO</b>	<b>Duration</b>
1	Intelligent Control	NIT,Kurukshetra	June 25-29, 2007	1 Week
2	Operation and Control of Modern Power System (Summer School )	NIT, Jaipur	7 July-18 July, 2008	2 Week
3	Operation and Management of Emerging Power Systems (short term course)	IIT, Kanpur	Nov. 21-25, 2011	1 Week
4	Emerging Trends in Power Electronics and their Controls for Power System (FDP)	MPUAT, Udaipur	June 10-22, 2013	2 Week
5	Faculty Orientation on Cement Manufacturing Technology Course	Ultra Tech, Kothputali	May 21-27, 2012	1 Week
6	Management Capacity Enhancement Programme	IIIM, Udaipur	June 8-13, 2015	1 Week
7.	Green Energy and Technology	GECA, Ajmer	01 Feb. – 05 Feb.,	1 Week

	(workshop)		2016	
8.	“Recent Trends and Technology in Information, Communication & Computing” (RTTICC-2016) (Short Term Course)	GECA, Ajmer	(23 <sup>rd</sup> Feb – 3 <sup>rd</sup> March, 2016)	2 Week
9.	DC smart grid: Renewable integration, energy storage, & system operation (short term course)	electrical engineering department, MNIT, Jaipur	10 <sup>th</sup> – 14 <sup>th</sup> November, 2016	1 Week
10.	Technological Advances and Emerging Dimensions in Power and Energy Sector	CTAE, Udaipur	Dec. 18-30, 2017	2 Week

### List of Workshops/Conferences Attended

S.N	Title of Conference	Date	Venue
1	National Workshop on Reactive Power	Sept. 29-30, 2005	ERDA, Vadodra
2	One day workshop on CO <sub>2</sub> kick the habit! Towards a low carbon economy	5/06/08	GECA, Ajmer
2	International Conference on Physical, Cyber & System Security for Power Sector	Feb. 27-28, 2012	CPRI, New Delhi
3	Wide Area Monitoring and Control of Power System Using Synchrophasor Technology (workshop)	April 13-14, 2012	IIT, Kanpur
4	Use of Technical Words in Engineering and Science	June 6-7, 2012	GECA, Ajmer
5	Advanced PSCAD Course	Nov. 29-30,	PSCAD,

	and Workshop on Wind Power Integration Studies	2012	Mumbai
6	One day workshop on Managing in a Flat World	Sep.26, 2013	GECA, Ajmer
7	National Conference on Emerging Trends for sustainable Development in Engineering and Technology	Jan. 30-31, 2014	SS College of Engineering Udaipur
8	Use of Technical Words in Engineering and Science	Feb. 5-6, 2014	GECA, Ajmer

## OTHER ACADEMICS RELATED ACTIVITIES

1. **Received Award** of “ Excellence in Academics” during ITRS foundation award -2017 on Nov. 25,2017 at Jaipur (Rajasthan)
2. **Guided M.tech dissertation** titled “Transient analysis of wind connected system based on DFIG and Detection of fault duration by using wavelet transform” of the student sohit Sharma (enrolment no: 02121047, deptt. of electrical engg. Of JaganNath University, Jaipur. 26/06/2015)
3. **Guided M.tech dissertation** titled “Fault & Risk Estimation in Large Power System Using Relation Theory” of the student sudhir Sharma (enrolment no: 07E2SBPSM40P614, deptt. Of electrical engg., Sri Balaji College of Engineering and Tech., Jaipur, Sep.2010)
4. **Guided M.tech dissertation** titled “Small Signal Stability Analysis of Double Feed Induction Generator Wind Integration on the power system” of the student Ankit Kumar Gupta (enrolment no: 14E2JHPSM40P701,deptt. Of electrical engg., Jaipur Institute of Technology, Jaipur, May.2017)
5. Written one **Hand Book** of Multiple Choice Question for GATE in Electrical & Electronics Engineering by Himanshu Publication (ISBN no. 978-81-7906-599-4)
6. **Industrial Visit and Tour** at Manali, Himachal Pardesh from 14<sup>th</sup> may 2015 to 19<sup>th</sup> May 2015 with 35 students of electrical engineering deptt.
7. **Organized one National Workshop** on “Green Energy & Technology” during 01 Feb.-05 Feb. 2016 as Principal Coordinator.
8. **Advisory Committee Member** in International Conference on “Advance Research in Renewable Energy & Power System” (icarreps-2013), during 7-8 Aug. 2013, organized by Electrical Engineering Department, Marudhar Engineering College,Bikaner (Raj.)
9. **Organizing committee member** in national conference on recent advances in mathematics with application in engineering organized by Deptt. Of Mathematics, GEC Ajmer during feb. 25-26,2012

## **Paper Presented and invited Lecture**

1. Delivered a **expert talk** on “power system dynamics and reliability” in one week short term training program on “ power system basics: conventional and non-conventional” organized by Govt.Mahila Engineering College Ajmer during September 20-25, 2016.
2. a **key-Note Speaker** on topic “Solar Energy & it’s Application” in the national conference on Green Research & Technology (GRT-2017) organized by Bhagwant University, Ajmer on 24<sup>th</sup> – 25<sup>th</sup> march 2017
3. **Presented oral** titled “ Communication System in Smart Grid Technology” in the national symposium on “ Geomatics for Digital India” and Annual conventions of Indian society of Geomatics& Indian Society of Remote Sensing at JK Lakshmipat University during December 16-18, 2015 at Jaipur
4. **Presented a Paper** entitled “Stability Analysis with Renewable Energy Connected System” in international conference on “ Advance Research in Renewable Energy & Power System” organized by department of electrical engineering, Marudhar engineering college, Bikaner during 7-8 Aug. 2013.
5. Delivered an **expert lecture** on “Stability Analysis of Renewable Energy Connected System” in a national workshop on Green Energy and Technology (GET-16) organized by the department of electrical and mechanical engineering during Feb.01-05, 2016.
6. **presented paper** in the 2013 IEEE conference on Clean Energy and Technology 18-20 November 2013, Langkawi, Malaysia
7. Delivered **expert lecture as key note speaker on**Controls for modern power in Two weeks winter school on recent trends in power electronics and their controls for industrial drives & renewable energy system, organized by CTAE, MPUAT, Udaipur
8. Delivered **expert lecture as key note speaker on**Power system stability in Two days all india seminar on optimal use of power electronics in modern power system & renewable energy organized by The institution of engineers (india), Udaipur local centre in association with CTAE,MPUAT, Udaipur
9. Invited as a **Key- Note Speaker** in National Conference on Emerging Trends for Sustainable Development in Engineering and Technology at SS College of Engineering, Udaipur on 30<sup>th</sup> January, 2014
10. Invited as a Esteemed Invitees to deliver **Expert Lecture** in the seminar “ Teachers Ethics and College Development” at St.. Wilfred’s Institute of Engineering & Technology, Ajmer on 28<sup>th</sup> December 2013

## **PUBLICATION**

### **A. Referred Journals**

1. “ Small Signal Stability of DFIG Connected Power System and Identification of Oscillatory Modes Using Prony Analysis,” International Review of Electrical Engineering (I.R.E.E), Praise Worthy Prize, ISSN 1827-6660, Vol. 9, N.3, September-October 2014
2. “Stability Analysis of DFIG based Wind Turbines Connected to Electrical Grid,” International Review on Modelling and Simulations (I.RE.MO.S),Praise Worthy Prize , ISSN 1974-9821, Vol. 6, N.3, June 2013.
3. “Resiliency in offshore wind farm communication networks” Journal of Renewable and Sustainable Energy 5,023139 (2013) American Institute of Physics.
4. “ Performance Evaluation of Communication Network for Offshore Wind Farm Monitoring” International Review on Modelling and Simulations (I.RE.MO.S),Praise Worthy Prize , ISSN 1974-9821, Vol. 5, N.6, December 2012.
5. “Performance Assessment of Communication Network in WAMS” International Journal of Distributed and parallel System (IJDPS) vol.3, No.6,November 2012
6. “Effect of SVC on Steady State Voltage Collapse Phenomena” International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459), vol.3,Issue 1, January 2013.
7. “Performance Analysis of 3-phase Self –Excited Induction Generator with Rectifier Load” International Journal of Engineering Research & Technology(IJERT), ISSN 2278-0181,vol. 2 Issue1, January-2013
8. “ Transient Analysis of Wind Connected System Based on DFIG” International Journal of Electrical and Electronics Research (IJEEER), ISSN (P): 2250-155X; ISSN (E): 2278-943X Vol.%, Issue 3, Jun 2015, 39-50

### **B. Referred Conference**

1. “Monitoring of Offshore Wind Farm using Reliable Communication” Indo-Danish International Conference, Organized by BITS Pilani 2012.
2. “Monitoring of pollution for increasing the life span of human beings” 2014 International Conference on Signal Propagation and Computer Technology (ICSPCT), 978-1-4799-3140-8/14, 2014 IEEE

3. "Performance Assessment of Offshore Wind Farm Communication Network using MPLS based Traffic Engineering" International Conference on Advances in Energy Research, Organized by IIT, Mumbai, Nov.2013
4. "Cyber Security Solution for Wide Area Measurement System in Wind Connected Electrical Grid", ISGT Asia Nov.2013, Bangalore.
5. "Dynamic Performance Improvement of Wind Power Integrated Grid Using TCP/IP Communication Network", IEEE international Conference on CEAT 2013, Langkawi, Malaysia
6. "Impact of Integration of Solar and Wind Power on Small Signal Stability using Wavelet Transform" IEEE international Conference on CEAT 2013, Langkawi, Malaysia
7. "Environmental Management Standards in Indian Context" International Conference on Environment Practices in India (Sponsored by AICTE). Organized by Pacific Institute of Management, Udaipur(Raj.) 3-5 March, 2006, Page no. 39.
8. "Control Coordination of SVC and PSS for Damping Power System Oscillations" International Conference on "Recent Advancements and Applications of computer in Electrical Engineering" Technical Sponsor IEEE (AES COM LEO Society Chapter India) Organized by Engineering College Bikaner, March 24-25, 2007.
9. "Network Design Using Optimization Processes" National Conference on Engineering Applications of Mathematics Academy of Engineering, Alandi, Pune, 22-23, 2007.
10. "Various LMS Type Algorithm: Study and Comparison", National Conference on Emerging Trends and Applications in Computer Engineering, Organized by Engineering College Ajmer.
11. , "Urban Energy Management" Conference on Energy Conservation Organized by Jaipur Vidyut Vitran Nigam Ltd., 14 Dec 2006.
12. participated and presented a paper on "Simplified Power System Models for Dynamic Stability Studies" in National Conference on "Role of Computers and Electronics in power system" held during July 13-15, 2007 at J.E.C.R.C. Jaipur .
13. "The Career and Technical Education perspective: Constructivism" AICTE Sponsored National Seminar on Technical Education in Current perspective, 13-14 December 2007 .
14. "Statcom Modeling for voltage and angle stability studies". International Conference on "recent application of soft computing in engineering and technology" in technical sponsorship of IEEE, organized by IET alwar on December 22-23, 2007.



15. “Entrepreneurship and Economic Development in Asia”. 4<sup>th</sup> international conference in Rajiv Academy for technology & management mathura(UP) on Feb 14-16, 2008
16. One Day Workshop on “CO2 Kick the habit! Towards a low carbon economy” on the occasion of world environment day on 5 June-08 at Govt.Engg. College Ajmer
17. “Innovation in Engineering & Technology (IET-2008). National conference in poornima Group of Colleges, Jaipur on 15 Sep.2008
18. “Enhancement of steady state voltage collapse margin using SVC.” National conference on “ Emerging VISTAS of Technology in 21<sup>st</sup> Century” organized by Parul Institute of Engineering & Technology , Vadodara held on 11-12 Sep.2009.