

## BIO-DATA

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### **Educational Qualifications:**

Ph. D in the Faculty of Electrical Engineering J.N.T U, Hyderabad in the Year 2018

M. Tech in Electrical Power Engineering from J.N.T.U.H College of Engineering  
Hyderabad, JNT University Hyderabad, in the Year 2011.

B. Tech in Electrical & Electronics Engineering from JNT University Hyderabad in  
the year 2007.

- Received Fellow ship during Ph. D work from JNT University Hyderabad. India.

### **Experience:**

- Presently working as an Assistant Professor at Department of Electrical & Electronics Engineering , TKR College of Engineering & Technology (Autonomous) Hyderabad, since February 2018
- Worked as an Assistant Professor at Department of Electrical & Electronics Engineering, Arvindaksha Engineering college from 2011 to 2012.
- Worked as an Assistant Professor at Department of Electrical & Electronics Engineering, Sana Engineering college from 2007 to 2009.
- Teaching Assistant, JNTUH College of Engineering for one semester (During Pursing Ph.D).

### **Administrative Experience:**

- BOS chairman of Electrical and Electronics Engineering since 2019 to till date.
- Student counselor, TKR College of Engineering & Technology,
- Advisor member for conducting workshops and conferences on Electrical Engineering for various colleges.
- Subject expert member for faculty selection committee
- Observer for Telangana State Govt. EAMCET (Engineering and Medicine) exams and TS Govt., exams.
- Member for Board of Governance, TKR College of Engineering & Technology.
- Member for Academic Council Meeting, TKR College of Engineering & Technology

### **International Journals:**

1. G.N Srinivas, K.Raju, “*SPICE Modeling for Evaluation of Distribution System Reliability Indices*” International Journal of Electrical and Computer Engineering Vol:8, No:12, 2014.(FREE JOURNAL)
2. K. Raju, G.N Srinivas, “*Distribution System Reliability with Distributed Generation Based on Customer Scattering*”, Journal of ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING , Vol No.13, Issue No.02, pp.64-73, June,2015. ISSN:1804-3119 ( SCOPUS Indexed, FREE JOURNAL)
3. K. Raju, G.N Srinivas, “*Reliability Evaluation of Distribution System Considering Distributed Generation*” International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering Vol:9, Issue No:7, pp.659-664, 2015.ISSN:1307-6892. (FREE JOURNAL)
4. K. Raju, G.N Srinivas, “*Evaluation of Distribution System Reliability in the presence of multiple DGs*” Mediterranean Journal of Modeling and Simulation, pp. 017-028 Sep, 2018, Vol No. 10, issue .1 ISSN: 2335-1357. (FREE JOURNAL)
5. K. Raju, G.N Srinivas, P. Praveen Kumar and “*Evaluation and Improvement of Distribution system Reliability*. i-manager's Journal of Power system Engineering, PP. 32-46, Vol. 7 , No. 2, May - July 2019, ISSN Online: 2322-0376.( FREE JOURNAL)
6. R. Mounika, K. Raju “*hybrid controlling techniques for pv system integrated with grid*” Complexity International Journal (CIJ) , Volume 23, Issue 2, July-August 2019. ISSN:1320-0682.
7. K. Raju, P. Mercy Hepciba Rani, J. Prashanthi “ Distributed Generation Impact on Distribution System Reliability” International Journal of Engineering and Advanced Technology (IJEAT) ( SCOPUS Indexed ) ISSN: 2249-8958, Volume-10 Issue-3, February 2021

### **International Conference/ National Conference**

1. K. Raju, G.N Srinivas, *Reliability Evaluation of Distribution System Using DGs*, 4<sup>th</sup> IEEE Sponsored International Conference on Computation of power, Energy, Information and Communication organized by the Department of Electrical and Electronics Engineering in association with ISTE chapter, APE College, Tamilnadu, India, on 22<sup>nd</sup> and 23<sup>rd</sup> April 2015.

2. K. Raju, G.N Srinivas “*Reliability Evaluation of Distribution System including Distributed Generation*” NATIONAL CONFERENCE ON POWER DISTRIBUTION (NCPD) organized by the Distribution Systems Division, CENTRAL POWER RESEARCH INSTITUTE (CPRI), Bengaluru, INDIA.
3. K. Raju, G.N Srinivas “Reliability evaluation of distribution system with distributed generation using ETAP” AICTE Sponsored International Conference on Computing , Communication, Electrical and Electronics Engineering organized by G. Pulla Reddy Engineering College (Autonomous), Kurnool on 10<sup>th</sup> -11<sup>th</sup> January 2020.

**Workshops / Conference organized:** Webinar on Battery Management system in Electric Vehicle, 22<sup>nd</sup> May, 2021.

**Workshops / Conference Attended:**

1. Participated in 7 days AICTE Govt. sponsored workshop on “*Renewable Energy Systems*” at LBRCE, Mylavaram, 20<sup>th</sup> -25<sup>th</sup> June, 2011.
2. Participated in a one day workshop on *Patent Information Cell (PIC)* Organized by R&D Cell, JNTUH Hyderabad, 26<sup>th</sup> March 2014.
3. Participated in a one day workshop on “*POWER SYSTEM DEREGULATION- RECENT TRENDS*” organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering, Hyderabad, Under TEQIP-II, July 26<sup>th</sup> 2014.
4. Participated Two Day Workshop on *National Programme on Technology Enhanced Learning (NPTEL- IIT Madras)* Conducted by Loyola college of Engineering & Technology, 19<sup>th</sup> & 20<sup>th</sup> Sep 2014.
5. Participated in 38<sup>th</sup> *National System Conference* conducted by Department of Electrical and Electronics Engineering in Collaboration with the Departments of Electronics and Communication Engineering and Computer Science and Engineering, JNTUH College of Engineering, Hyderabad during 5<sup>th</sup> -7<sup>th</sup> November, 2014.
6. Participated in a one day workshop on “*RELIABILITY APPLICATION IN POWER DISTRIBUTION SYSTEM*” Organized by CPRI Distribution System Division, Bangalore, 21<sup>st</sup> November 2014.
7. Participated in Three Day workshop on “*COMPUTER APPLICATIONS TO POWER SYSTEMS USING MI-POWER*” Organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering , Hyderabad, Under TEQIP-II, 18<sup>th</sup> -20<sup>th</sup> March 2015.
8. Participated in Two day workshop on “*Real time Implementation of Power electronic controlled drives using LABVIEW*” organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering, Hyderabad, Under TEQIP-II, 16<sup>th</sup> -17<sup>th</sup> April 2014.
9. Participate in the Three Day Workshop on “*Application of Simulation Tools to Modern power Systems*” Organized by the Department of Electrical Engineering, University College of Engineering , Osmania

- University, Hyderabad Under TEQIP –II, 7<sup>th</sup> to 9<sup>th</sup> May, 2015.
10. Participated in the *Two Day National Conference on High Voltage Engineering* Organized by Department of Electrical and Electronics Engineering, JNTUH College of Engineering, Hyderabad, Under TEQIP-II, during 19<sup>th</sup> -20<sup>th</sup> June 2015.
  11. Participated in a one day workshop on “*OUTCOME BASE EDUCATION AND ACCREDITATION*” Organized by JNT University Hyderabad, Kukatpally, Under TEQIP-II, 14<sup>th</sup> September 2015.
  12. Participated in a one day workshop on *Advanced Programme Techniques with MATLAB* Organized by JNTUH College of Engineering Hyderabad under TEQIP-II in collaboration with Math Works India Pvt.Ltd, 16<sup>th</sup> September, 2016.
  13. Participated in a one day workshop *On Public Participation in Promoting Integrity and Eradicating Corruption (PPPIEC-2016)* on 5<sup>th</sup> November, 2016 organized by Power- Grid.
  14. Participated in a one week faculty development programme on *Design of Experiments using Taguchi approach* organized by department of mechanical Engineering, TKR College of Engineering and Rechnology, 12<sup>th</sup> -17<sup>th</sup> November, 2018.
  15. Participated in a one week faculty development programme on *Outcome Based Education* organized by department of civil engineering, Teegala Krishna Reddy Engineering College 1<sup>st</sup> July-6 July, 2019.
  16. Participated in a one day workshop on *Smart Grid and Smart Electric Vehicle- Research Perspectives* organized by CPRI, Bangalore, July 12, 2019.
  17. Participated in 7 days AICTE Govt. sponsored workshop STTP on *Energy Management of Smart Grids and Microgrids with IOT* organized by RVR&JC College of Engineering, Guntur, 29<sup>th</sup> July to 3<sup>rd</sup> August 2019.
  18. Participated in Two week AICTE Sponsored faculty development programme on *Recent Advances in Power systems and Power Electronics in the Environment of Smart Grid and Renewable Energy Systems*, organized by EEE Department, VASAVI College of Engineering, Hyderabad, 9<sup>th</sup> – 21 December, 2019.
  19. Participated in one week faculty development programme on *AI Application in Power Electronics Systems (AAPES-20)*” organized by EEE Department, Muffakham Jah College of Engineering and Technology, Hyderabad, 20<sup>th</sup> – 25 January, 2020.
  20. Participated in one week online STTP programme on “*RECENT TRENDS IN RENEWABLE ENERGY SOURCES AND THEIR INTEGRATION TO SMART GRID* )” organized by EEE Department St. PETER’S ENGINEERING COLLEGE, Hyderabad, 12<sup>th</sup> – 17<sup>th</sup> October, 2020.
  21. Participated in Two online FDP entitled “*Electric Vehicles with Smart Grid Integration*” organized by EEE Department and BVC Institute of Technology and Science, Andhrapradesh, 19<sup>th</sup> – 30<sup>th</sup> April, 2021.

**Projects Guided:**

- B. The projects-15
- M. Tech Projects – 5 nos (awarded) 3 nos on going.

S.No.	Student Name	Project Title
1	G. SWETHAN RAJU(16K91D4311)	ANFIS Based Controlling and operating of a DC-Grid based wind power Generation System and Fault clearing operation by using STATCOM in a MICRO GRID
2	R. MOUNIKA (17K91D4313)	Hybrid Controlling Techniques for PV System Integrated with Grid.
3	P. PRAVEEN KUMAR (17K91D4310)	Evaluation and improvement of distribution System reliability indices using distributed generation
4	P.MERCY HEPCIBA RANI (18K91D4306)	Distributed Generation Impact on Distribution System Reliability
5	J. PRASHANTHI (18K91D4302)	Reliability Assessment of Radial distribution with Distributed Generation

**Reviewer of Journals**

- Journal of Electric Power Components & Systems, USA

**Events organized:**

- Co- Convener of National Technical Fest Aviskar 2019 at TKRCET.

Books Published: Power system- II (in editing)

Currently, he is Associate Professor in the department of Electrical & Electronics Engineering, TKR College of Engineering & Technology (Autonomous) Hyderabad. He has 7 years of teaching experience. He has specialized in power systems area. He has published 10 research publications in international/ National Journal/ conferences. He has guided 5 M. Tech students and 3 students are under progress. He has delivered for various lectures in institutes. He has attended 21 Workshops / Conferences. He has involved in various Research & Development projects at TKR College of Engineering & Technology.

**Areas of Interest:** Power system Reliability.

Smart Grid Technology.

Applications of Distributed Generation to Distribution Systems.

Reconfiguration Methods based on algorithms applications to distribution systems.

FACTS & Power Quality.

Intelligent Power System Planning and Optimization.