



# RESUME

**Dr. K. MAHAMMAD RAFI**  
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Email 3: [kk.rafi@gmail.com](mailto:kk.rafi@gmail.com)

## Work Experience: (15 Years 6 Months)

Working as Assistant Professor in the Department of Electrical & Electronics Engineering at Muffakham Jah College of Engineering & Technology, Hyderabad T.S 500 034, from 13<sup>th</sup> October, 2008 to till date.

## Educational Qualifications

S. No.	Course	University	Institute	Year of passing	Percentage	Specialization
1.	PhD	Osmania University	Osmania University, Hyderabad	2022		Electrical Engineering
2.	M.Tech.	JNTUH	J.N.T.U.C.E, Kakinada	2008	80.67	EEE (Advanced Power Systems)
3.	B. Tech.	JNTUH	G.K.C.E, Sullurpet	2006	75.18	Electrical & Electronics Engineering
4.	Diploma	SBTET	Government Polytechnic, Proddatur	2003	76.32	Electrical & Electronics Engineering

- **PhD Thesis Title:** “Coordinated Control of DSTATCOM with Switchable Capacitor Bank in a Secondary Distribution System for Power Factor Improvement”.
- **M.Tech Dissertation Title:** “Voltage Stability Analysis of Radial Distribution System Using PGSA Algorithm”.

## Area of Research Interest

- Reactive power control in Distribution & Transmission Systems,
- Voltage Stability, AI Applications in power systems,
- Power Electronic Applications to Renewable Energy Sources, Application of Power Electronics to Power Systems,
- Control of DSTATCOM, DVR,
- Analysis and control of Electric Vehicles; Fast charging Techniques of Electric Vehicles.

## Technical skills

- **Software Known:** MATLAB R2009a-R2024a, Typhoon HIL, CCS V3.0 to V12.3.0, PSPICE, Multi-Sim, PSIM, Mi-Power, OPAL-RT

## Academic Identity

1. [Orcid id](#) , 2. [Publons id](#) , 3. [Web of science Researcher id](#) , 4. [Scopus id: 57202982629](#)
5. [Google scholar id](#) , 6. [Researcher id](#)
7. <https://mjcollege.ac.in/dept/ee/staffdetails.php?facultyID=193&FacultyDept=EEE>
8. <https://vidwan.inflibnet.ac.in/profile/298434>
9. <https://shodhganga.inflibnet.ac.in:8443/jspui/handle/10603/453805>

## Professional Membership

- The Institute of Research Engineers and Doctors (theIRED)  
Membership number: SNM20210711598
- International Association of Engineers (MIAENG):  
Membership number: 289900
- Professional Member Institute for Engineering Research and Publication (PMIFERP)  
Membership number: PMIN31750492

## Patents

**Patent No.: 527893**

**Application No.:** 201941054824 A

**Date of Filing:** 31/12/2019.

**Date of Grant:** 15/03/2024

**Title:** Method for Detecting Optimal Location and Coordinated Control of DSTATCOM in A Radial Distribution Network.

**Patentee:** Muffakham Jah college of Engineering and Technology

**Inventor(s):**

1. **Dr. K. MAHAMMAD RAFI**, Assistant Professor in Electrical Engineering Department, Muffakham Jah College of Engineering & Technology, Road No.3, Banjara Hills, Hyderabad- 500034. Telangana State, India.
2. **Mr. J. V. R. VITHAL**, Associate Professor in Electrical Engineering Department, Muffakham Jah College of Engineering & Technology, Road No.3, Banjara Hills, Hyderabad- 500034. Telangana State, India.
3. **Prof. P. V. N. PRASAD**, Retd. Professor in Electrical Engineering Department & Dean Faculty of Engineering, University College of Engineering, Osmania University, Hyderabad-500007. T.S., India.

## Research Publications

1. **K. Mahammad Rafi**, P.V.N. Prasad and J.V.R. Vithal, “Coordinated control of DSTATCOM with switchable capacitor bank in a secondary radial distribution system for power factor improvement” Journal of Electrical Systems and Information Technology Vol. 9, Issue 4, March 2022. ISSN: 2314-7172 Springer open. With impact factor 0.89.
2. K.S.V. Phani Kumar, Vinay Kumar Awaar, **K. Mahammad Rafi** and Gopal Krishna “Power Quality Improvement and Sustainable operation in A Standalone Micro Grid by Regulating Frequency in A Deregulated Market” 15<sup>th</sup> International Conference on Materials Processing and Characterization(ICMPC 2023), 430 , 13-24, , 2023 , <https://doi.org/10.1051/e3sconf/202343001011>
3. **K. Mahammad Rafi**<sup>1\*</sup>, Vinay Kumar Awaar, K.S.V. Phani Kumar, G. Pradeep Reddy, Sakshi Koli and K. Kalpana “Digital Control of DSTATCOM using TI-C2000 Processor and MATLAB/Simulink for Sustainable Power System Network” 15<sup>th</sup> International Conference on Materials Processing and Characterization (ICMPC 2023), 430 , 1-12, , 2023 , <https://doi.org/10.1051/e3sconf/202343001010>

4. **K. Mahammad Rafi** and Jeevitha “The Impact of Various Renewable Energy Sources to Reduce the Case of Resource Scarcity in the Global Business Market Area” Transactions on Renewable Energy, Green Energy and Sustainability, Vol. 2, Issue1, pp. 23-28, March 2022, doi.org/10.36647/TTREGS/02.01.A005
5. G. Yoga Priya and **K. Mahammad Rafi** “Procedures through Which Buildings Can Be More Energy Efficient” Transactions on Renewable Energy, Green Energy and Sustainability, Volume 2, Issue 4, pp. 18-23, December 2022, doi.org/10.36647/TTREGS/02.04.A004.
6. **K. Mahammad Rafi** and P.V.N Prasad, “A Method for Design of DSTACOM Fast Acting DC Link Voltage Controller”, International Journal of Information Technology and Electrical Engineering, Vol. 9, Issue5, October 2020, pp. 17-23. ISSN: 2306-708X. With impact factor 0.38.
7. **K. Mahammad Rafi** and P.V.N Prasad, “Design and Development of 30 kVAr DSTATCOM for Reactive Power Compensation in 800 kW Radial Distribution System”, ARPN Journal of Engineering and Applied Sciences, Vol. 15, No. 12, June 2020, pp. 1346-1354. ISSN: 1819-6608. With impact factor 0.57.
8. **K. Mahammad Rafi**, J.V.R Vithal and P.V.N Prasad, “Method for Detecting Optimal Location and Coordinated Control of DSTATCOM in a Radial Distribution Network”, Application No. 201941054824, The Official Gazette Journal publication for Patent Office, Issue No. 3, January 2020, dated 17/01/2020.
9. **K. Mahammad Rafi** and P.V.N Prasad, “Design and Selection of Power Circuit and Control Parameters for DSTATCOM”, International Journal of Recent Technology and Engineering, Vol. 8, Issue 4, November 2019, pp. 11724-11729, ISSN: 2277-3878. With impact factor 1.02.
10. **K. Mahammad Rafi** and P.V.N Prasad “A Comparative Study and Analysis of Control Algorithms for DSTATCOM,” Journal of Emerging Technologies and Innovative Research (JETIR), volume 06, issue 06, June 2019, pp. 226-230, ISSN: 2349-5162. With impact factor 7.95.
11. **K. Mahammad Rafi**, P.V.N Prasad and Anam Fatima “Performance Analysis of three phase self-excited Induction Generator using DSTATCOM,” IUP Journal of Electrical Engineering, Science and Technology Vol. 10, No. 4, 2017, pp. 53-67, ISSN: 0974-1704. With impact factor 0.16.
12. **K. Mahammad Rafi** and P. V. N. Prasad, "Comparison of control algorithms for power factor correction in a distribution system using DSTATCOM," 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), 2017, pp. 1736-1741, DOI: 10.1109/ICPCSI.2017.8392011.
13. **K. Mahammad Rafi**, Anam Fatima and P.V.N Prasad, “Reactive Power Compensation of Standalone Self Excited Induction Generator Using DSTATCOM,” i-Manager's Journal on Power Systems Engineering, Vol. 05, No. 2, may-July 2017, pp. 35-42. With impact factor 0.786.
14. **K. Mahammad Rafi** and A. Karthikeya Sarma “Voltage stability analysis and reactive power compensation of Distribution system using plant growth simulation algorithm”, International Journal of Advances in Science and Technology, ISSN 2229-5216, Vol. 2, No.4, 2011, pp. 72-95. With impact factor of 0.23
15. A. Karthikeya Sarma and **K. Mahammad Rafi** “Optimal capacitor placement in radial distribution systems using artificial bee colony (ABC) algorithm”, The International Institute for Science, Technology and Education (IISTE) Vol. 30, May, 2011. With impact factor 0.48.
16. A. Karthikeya Sarma and **K. Mahammad Rafi** “Optimal selection of Capacitors for Radial distribution Systems using plant Growth simulation Algorithm”, International Journal of Advances in Science and Technology, ISSN 2229-5216 Vol. 2, No. 2, 2011, pp. 61-86. With impact factor 0.23

## Conferences Papers

1. **K. Mahammad Rafi** and Syed Mohammed Uddin “Voltage Sag and Swell Compensation of A Radial Distribution System Using different DVR Configurations” 3<sup>rd</sup> International Conference on Eco-Friendly Innovations & Design Challenges In Electrical Engineering (ICEI&DC) 8<sup>th</sup>-9<sup>th</sup> November 2019, CVR College of Engineering (Autonomous), Hyderabad, Telangana.

2. **K. Mahammad Rafi** and Mohd Mustafa Mohiuddin Khan “Reactive Power Compensation Using Cascaded H-Bridge based D-STATCOM” 3<sup>rd</sup> International Conference on Eco-Friendly Innovations & Design Challenges In Electrical Engineering (ICEI&DC) 8<sup>th</sup>-9<sup>th</sup> November 2019, CVR College of Engineering (Autonomous), Hyderabad, Telangana.
3. **K. Mahammad Rafi** and P. V. N Prasad “A Comparative Study and Analysis of Control Algorithms for DSTATCOM”, International Conference on Computing Communication and Electrical Technologies (ICCCET-2019) 29<sup>th</sup> – 30<sup>th</sup> August 2019, G. Narayanamma Institute of Technology and Science for Women (Autonomous), Hyderabad, Telangana.
4. **K. Mahammad Rafi** and M.G.V. Satyanarayana, “Application of ARDUINO UNO micro-controller along with Machine learning algorithms in production of Biodiesel”, International Conference on Technologies for Sustainable Energy (TSE-19), 22<sup>nd</sup> to 24<sup>th</sup> March 2019.
5. **K. Mahammad Rafi** and P. V. N Prasad "Performance Analysis of Three Phase Self Excited Induction Generator Using DSTATCOM," 2<sup>nd</sup> National Conference On Recent Advances In Electronics-24<sup>th</sup> and 25<sup>th</sup> Febuary-2017, The ICFAI foundation for higher education faculty of science and technology, IFHE University, Hyderabad.
6. **K. Mahammad Rafi** and P. V. N. Prasad, "Comparison of control algorithms for power factor correction in a distribution system using DSTATCOM," IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), from 21<sup>st</sup> and 22<sup>nd</sup> September 2017, Saveetha Engineering College, Chennai.
7. **K. Mahammad Rafi** and P. V. N Prasad "Control of Reactive Power In A Standalone Self Excited I.G Using Different DSTATCOM Controls" 1st International Conference On Green Power Technology In Power Grid: Issues, Challenges & Control from 16<sup>th</sup> to 18<sup>th</sup> November 2016, Sri Venkateswara University College of Engineering, Tirupati, Andhra Pradesh.
8. **K. Mahammad Rafi** and P. V. N Prasad “Reactive Power Compensation of Standalone Self Excited Induction Generator Using DSTATCOM,” 2nd National Conference On “Recent Trends in Power Systems and Drives, 28<sup>th</sup> and 29<sup>th</sup> October 2016, Chaitanya Bharathi Institute of Technology (CBIT), Gandipet, Hyderabad.
9. **K. Mahammad Rafi** and J. Amarnath, “Power Quality Improvement of 3-Phase 4-Wire Distribution System Using DSTATCOM,” 2<sup>nd</sup> International Conference on Advanced Electrical System and Applications 25<sup>th</sup> and 26<sup>th</sup> June 2014, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh.
10. **K. Mahammad Rafi** and J. Amarnath "Power Loss Reduction In Radial Distribution Systems By Capacitor Placement Using ABC Algorithm" National Conference on Advanced Electrical System and Applications 29<sup>th</sup> and 30<sup>th</sup> June 2013, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh.
11. **K. Mahammad Rafi** and J. Amarnath, “Design and Implementation of Cascaded H-Bridge Multi-Level (7) Inverter for the Application of Inverter,” National Conference on Advanced Electrical System and Applications 29<sup>th</sup> and 30<sup>th</sup> June 2013, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh.

### Sponsored Research Projects

1. **MJCET R&D Cell: Major Research Project** entitled “**Development of Electrical Energy Monitoring System in SUES Campus**”, Project cost: Rs. 1,75,000/- (Completed).
2. **Sultan ul-Uloom Education Society: Major Research Project** entitled “**Design and Installation of 100 kWp Roof Top Solar PV Power Project**”, cost: Rs.60,00,000/- (Completed).

3. **MJCET R&D Cell: Major Research Project** entitled “**Design, Analysis and Development of Prototype 30 kVar DSTATCOM for SUES**”, Project cost: Rs. 3, 92,000/- (Completed).
4. **MJCET R&D Cell: Research Project** entitled “**Bio-Diesel Extraction- Phase 5 Automation of Bio Diesel Pilot Plant Using Continuous Flow Process**”, Project cost: Rs. 45,000/- (Completed).
5. **MJCET R&D Cell: Research Project** entitled “**Real and Reactive Power Control of A 3-Ø Self Excited Induction Generator (3.5 Kw) Using UPFC**”, Project cost: Rs. 28,800/- (Completed).
6. **MJCET R&D Cell: Research Project** entitled “**Power Quality Improvement Using D-STATCOM for an Isolated Induction Generator (3.5kw)**”, Project cost: Rs. 25,500/- (Completed).

### **Administrative duties**

1. In charge for 183.12 kWp MJCET Solar PV Project
2. In charge for 750 kVA SUES 11 kV/415 V Electrical Substation
3. In charge for Campus Uninterrupted Power Supply (UPS) Systems
4. In charge for Campus Energy Monitoring System (CEMS)
5. Co-in charge for OU exams confidential section Secure Electronic Distribution of Exam Papers (SEDEP)
6. In charge for OU/ AICTE related works
7. In charge for feedback committee member (M.E and B.E)
8. In charge for OU Sessional Marks (M.E and B.E)
9. In charge for NAAC Criterion 3 ( Research, Innovations and Extension Institution )
10. In charge for NBA Criterion 4 (Students' Performance)
11. Purchase Committee Member College level

### **Invited Lectures**

1. Guest Lecturer in Indian Naval Academy, Ezhimala, Kannur, Kerala on “Reactive Power Control of 750 kVA Secondary Radial Distribution System Using R2019a MATLAB/ SIMULINK Software” dated 20th May, 2021.
2. Guest Lecturer in Muffakham Jah College of Engineering and Technology, Hyderabad on “Reactive Power Control in a Radial Distribution Systems” dated November 3<sup>rd</sup>, 2020.
3. Guest Lecturer in Indian Naval Academy, Ezhimala, Kannur, Kerala on “Simulation of FACTS Devices Modeling and Control in Electrical Distribution Systems” dated 09th October 2020.

### **M.E/ M.Tech Projects Guided**

1. M.E Project title, “Analysis of Dynamic Wireless Charging of Electric Vehicles Using PI and Fuzzy Controller”, submitted by Mohammed Sirajuddin during December 2023.
2. M.E Project title, “An Improved Dc link Voltage Control Strategy for Grid Connected Converters”, submitted by Thasmeena Fareen during December 2023.
3. M.E Project title, “Comparison of Various MPPT Techniques for A Solar Power Fed BLDC Motor”, submitted by Nikhila Patil during November 2022.
4. M.E Project title, “Asymmetrical Multi-Level DC Link Inverter for PV Energy System”, submitted by Khaliq Anwar during October 2022.

5. M.E Project title, “Mitigation of IGE (SSR) in series compensated DFIG wind farm using STATCOM”, submitted by Joher Fatima during December 2020.
6. M.E Project title, Reactive Power Compensation Using Cascaded H-Bridge Based DSTATCOM” submitted by Mohammad Mustafa Mohiuddin Khan during September 2019.
7. M.E Project title, “Voltage Sag and Swell Compensation of a Radial Distribution System by Using DVR Configurations” submitted by Syed Mohammed Uddin during September 2019.
8. M.E Project title, “Optimal Location of DSTATCOM in Radial Distribution System”, submitted by Mohd. Abdul Muqueem Nawaz during August 2018.
9. M.E Project title, “Reactive Power Compensation and Power Factor Improvement in Distribution System Using DSTATCOM”, submitted by Mohd Murtuza Arabaz during August 2018.
10. M.E Project title, “Cascaded U-Cell Multi Level Converter for STATCOM Applications”, submitted by Syeda Sumaiyah during May 2018.
11. ME Project title, “A Comparative Study of Control Algorithms for DSTATCOM for Harmonic Elimination and Reactive Power Compensation”, submitted by Heena Parveen during October 2017.
12. M.E Project title, “Comparison of Control Algorithms of STATCOM in Distribution system”, submitted by Mohammad Muddasar during September 2016.
13. M.E Project title, “A Novel Soft-Commutating Isolated Boost Full-Bridge ZVS-PWM DC–DC Converter for Bidirectional High Power Applications”, submitted by Khaja Umair Ahmed during September 2016.
14. M.E Project title, “Reactive Power Compensation Using DSTATCOM with Standalone Self Excited Induction Generator”, submitted by Anam Fatima during September 2016.
15. M.E. Project title “Power System Stability Enhancement Using Static Synchronous Series Compensator (SSSC)”, submitted by Mohd. Akram during July 2015.
16. M.E Project title, “Harmonic Compensation and Reactive Power Control of Distribution System by Using Shunt Active Power Filter”, submitted by Shaik K Fazil during July 2015.
17. M.E Project title, “Voltage Stability Improvement in Distribution System Using D-STATCOM”, submitted by Akram Jawed during July 2015.

## Subjects Taught

### Under Graduate

- |  |                                     |
|--|-------------------------------------|
| 1. Smart Building Systems                                | 2. Electrical Machinery-III         |
| 3. Electrical Technology                                 | 4. Electrical Circuits and Machines |
| 5. Power Electronics                                     | 6. Utilization of Electrical Energy |
| 7. Electrical Power Distribution Engineering             | 8. High Voltage D.C Transmission    |
| 9. Basic Electrical Engineering (AICTE Model Curriculum) |                                     |

### Post Graduate

1. Power Electronic Applications To Renewable Energy (AICTE Model Curriculum)
2. Power Electronic Applications To Power Systems
3. Power Electronic Converters For Renewable Energy
4. Flexible A.C Transmission Systems
5. HVDC Transmission

## Labs Handled

### Under Graduate

1. Electrical Machines-I
2. Electrical Machines-II
3. Power Systems
4. Electrical Circuits & Measurements
5. Power Electronics
6. Electrical Simulation
7. Digital Signal Processing
8. Micro Processor and Micro Controller
9. Basic Electrical Engineering (AICTE Model Curriculum)

### Post Graduate

1. Simulation of Power Electronic Circuits (AICTE Model Curriculum)
2. Power Electronic Systems Lab-I
3. Power Electronic Systems Lab-II

## Workshops Attended

- All India Council for Technical Education (AICTE) organized 5-day online FDP on the theme **“Inculcating Universal Human Values in Technical Education”** from 31<sup>st</sup> October to 4<sup>th</sup> November 2022. F. No AICTE/FDP-SI/Online Workshop/201/155210.
- AICTE Training And Learning (ATAL) Academy Online FDP on **“ROAD - Response Effectiveness, Organizing Self, Attitudinal Shift, Decision Making”** from 2020-9-7 to 2020-9-11 at University College of Engineering, Osmania University.
- No: ATAL/2020/1597585901.
- Two Day Online Workshop on **“Reliability and its Applications to Power Systems and Drives”** from (26<sup>th</sup> – 27<sup>th</sup> June, 2020) In Honour of Dr. P.V.N. Prasad Professor, Dept. of EE, UCE, OU & Dean, Faculty of Engineering, OU, on the occasion of his Superannuation.
- Five day online FDP on **“AI Techniques to Electrical Engineering”** held from 06/07/2020 to 10/07/2020 organized by UGC-Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, T.S.
- Five day online FDP on **“Real time typhoon HIL Simulation applications for power systems, power electronics based RES, Electric Vehicles & Microgrid”** organized by Anurag University, Hyderabad from 10<sup>th</sup> to 14<sup>th</sup> August 2020.
- AICTE Training And Learning (ATAL) Academy Online FDP on **“Emerging Trends in Internet of Things”** from 2021-06-07 to 2021-06-11 at Acropolis Institute of Technology and Research – AITR. No: ATAL/2021/1621099917.
- One week faculty development program on **“AI Applications in Power Electronic Systems (AAPES-20)”** organized by EEE Department of MJCET from 20 to 25<sup>th</sup> January-2020.
- Five days online STTP on **“Matlab Based Teaching Learning in Mathematics Science and Engineering”** conducted by DY Patil University from 18<sup>th</sup> to 22<sup>nd</sup> May 2020.
- AICTE sponsored one Week STTP on **“Modern Control Techniques in Power Systems & Electrical Drives”** organized by the Department of EEE GNITS, Hyderabad during 17<sup>th</sup> to 22<sup>nd</sup> October 2019.
- AICTE recognized short term course on **“Machine Health Monitoring & Evaluation Using IOT through ICT”** organized by National Institute of Technical Teachers and Training and Research (NITTTR) Chandigarh during 25<sup>th</sup> to 29<sup>th</sup> March 2019.

- **“Machine Learning & it's Applications in Electrical Engineering”** conducted by Department of Electrical and Electronics Engineering of VNRVJIET and The Institution of Engineers (India) (IEI) Student Chapter on 30<sup>th</sup> May 2020.
- Successfully completed and secured grade **A** in **“SKANI101x: Basic 3D Animation using Blender”** an online course equivalent to three week, conducted from 16 March 2018 to 11 July 2018. This course is offered by **IITBombayX**, an online learning initiative of **Indian Institute of Technology Bombay**.
- Successfully completed **“ET 701X: Elements of learner centric MOOCS”** an online course equivalent to two week, conducted from 3<sup>rd</sup> may 2018 to 23<sup>rd</sup> May 2018. This course is offered by **IITBombayX**, an online learning initiative of **Indian Institute of Technology Bombay**.
- Successfully completed an **AICTE approved Two Week Faculty Development Programme (FDP101x)** on **“Foundation Program in ICT for Education”** conducted by Indian Institute of Technology Bombay from August 3, 2017 to September 7, 2017
- Successfully completed an AICTE approved Two Week **Faculty Development Programme (FDP201x)** on **“Pedagogy for Online and Blended Teaching-Learning Process”** conducted by Indian Institute of Technology Bombay from September 14, 2017 to October 12, 2017.
- One week ISTE STTP Coordinators workshop on **“Electric Power System”** conducted by department of EEE, IIT Kharagpur from 1st May to 6th May 2017.
- Two Day Workshop on **“Power Quality-Harmonic Analysis for Power Systems”** conducted by Department of EE, UCE (A), OU during 19th & 20th September 2016.
- Two Day Workshop on **“Electrical Simulation Using Multisim Power Quality-Harmonic Analysis for Power Systems”** conducted by Department of EEE, Vignana Bharathi Institute of Technology during 12th & 13th August 2016.
- Attended a one week faculty development programme on "Advances in Power electronics and Drives" being conducted by Osmania university during 12<sup>th</sup> to 17<sup>th</sup> May-2014.
- Attended a two-day Workshop on "Aakash Education" being conducted by IIT Bombay on 10<sup>th</sup> & 11<sup>th</sup> November 2012.
- Participated a Short term Course on **“Engineering Research Methodology”** on 2<sup>nd</sup> to 4<sup>th</sup> February-2012, organized by UCE(A), Osmania University, Mechanical Engineering Department.
- Attended a three day intensive work shop on **“Design of industrial power distribution Systems shortcut methods, Quick estimation & Application Guidelines”**, held on 2<sup>nd</sup> to 4<sup>th</sup> January-2012, organized by, PES, IAS & PELS joint chapter of IEEE Hyderabad.
- Participated in two day national seminar on "Nanotechnology-Its Future and Applications in Energy Sector" organized by IEEE,PES,IAS,PELS ,on 26<sup>th</sup> to 27<sup>th</sup> August-2011.

## Workshops Organized

- Coordinator for five day workshop on **“Electrical Building Services Design”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 07<sup>th</sup> November 2022 to 11<sup>th</sup> November 2022.
- Coordinator for one week workshop on **“ Research Methodology-II”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 16<sup>th</sup> May 2022 to 21<sup>st</sup> May 2022.
- Co-Coordinator for one week workshop on **“ Entrepreneurship-II”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 16<sup>th</sup> May 2022 to 21<sup>st</sup> May 2022.
- Co-Coordinator for one week workshop on **“ Research Methodology-I”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 17<sup>th</sup> December 2021 to 23<sup>rd</sup> December 2021.
- Coordinator for one week workshop on **“ Intellectual Property Rights (IPR)”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 17<sup>th</sup> December 2021 to 23<sup>rd</sup> December 2021.
- Coordinator for one week workshop on **“ Entrepreneurship-I”** conducted by Muffakham Jah College of Engineering, Electrical Engineering Department from 17<sup>th</sup> December 2021 to 23<sup>rd</sup> December 2021.



- Coordinator for outreach program on “Laughter Day” conducted by Muffakham Jah College of Engineering, at Govt. High School, Yousufguda, Hyderabad-500045 on 21<sup>st</sup> March 2022.
- Coordinator for one day workshop on “Reactive Power Control in a Radial Distribution Systems” conducted by Muffakham Jah College of Engineering, Electrical Engineering Department on 3rd November, 2020.
- Conducted Two Week ISTE STTP work shop on “Electric Power System” conducted by department of EEE, MJCET, RC 1032 in association with Department of EEE, IIT Kharagpur from 12th June, 2017 to 15<sup>th</sup> July, 2017.
- Co-Coordinator for Two-Week workshop on “Control System”, organized by IITKGP from 2<sup>nd</sup> to 12<sup>th</sup> December 2014.

## Personal Details

**Name** : **Dr. Kakarla Mahammad Rafi**

**Date of birth** : **10/06/1982**

**Languages Known** : **English, Hindi , Telugu and Urdu**

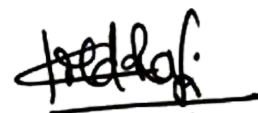
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S/o Late K. Subbaiah (Tailor)  
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B. Kodur (Mandal)  
Kadapa Dist., 516228.  
Andhra Pradesh, India

**Address for Communication** : **Dr. K. Mahammad Rafi**  
C/o Shaik Akbar, 8-3-616/4/2,4<sup>th</sup> Floor  
Habeb Bagh ,Yellareddy Guda  
Hyderabad 500073,Telangana  
India.

### Declaration

I hereby declare that all the information given above is true and correct to the best of my knowledge.

Place: Hyderabad



**Dr. K. Mahammad Rafi**  
Assistant Professor, EED  
MJCET