Dr. SHAIK MAHAMMAD RASOOL

B.Tech, M.tech, PhD, IEEE, ISTE, IAENG, IFERI

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Objective

To seek a challenging career in an esteemed institute and blend theory with practice and achieve professional excellence by contributing empathically towards institutional goals through dedicated and sustained efforts.

Ratifications

Ratified from Osmania University as an Assistant Professor

Ratified from JNTUH as an Assistant Professor

Education

PhD (2022)
Himalayan University**, Itanagar.**

M.Tech (2013)

JNTUH, HYDERABAD.

Master of Technology in Electronics and Communication Engineering from **Shaaz College of Engineering & Technology**. Hyderabad**.** Telangana.

B. Tech, JNTUH (2007)

 Bachelor of Engineering in **Electronics and Communication Engineering** from **Safa College of Engineering and Technology**, Kurnool. Andhra Pradesh**.**

State Board of Technical Education and Training, A.P. (2003)

Diploma in **Electronics and Communication Engineering** from **E.S.C. Government Polytechnic**, Nandyal, A.P.

Board of Intermediate Education A.P. (2001)

Intermediate in R&TV from **T.C. Govt Junior College**, Panyam, Kurnool (DT), A.P.

Board of Secondary Education A.P. (1998)

S.S.C. From **ZP High School**, Gadivemula, Kurnool (DT) A.P.

Experience

Total Experience – 10.5 years

1.3 years' experience as an Associate Professor and **Head of the Department** of ECE at Lords **Institute of Engineering & Technology, Autonomous (Accredited by NAAC' A', NBA) Hyderabad.** From **May 2022** to **till date.**

Six years and 4 months of experience as an **Assistant Professor** in the Department of ECE **at Lords Institute of Engineering & Technology, Autonomous (Accredited by NAAC' A' & NBA) , Hyderabad.** From **February 2015** to **May 2022.**

One year and 9 months of experience as an **Assistant Professor** in the Department of ECE **at Madina Engineering College, Kadapa.** From **April 2013** to **February 2015.**

Book published

- ❖ **Wireless Body Area Network an Optimal Medium Access Control Based on Energy and Qos Compromise Technique. ISBN No is 978-93-82350-39-2**

Patent published

- ❖ **Automatic Computer Vision and AI-based smart Robot system for surveillance Patent Publication India** Application No.202241049864 A Publication Date: 16/09/2022.

Paper published in SPRINGER

- ❖ **"OMAC: Optimal Medium Access Control Based Energy and QoS Compromise Techniques for Wireless Body Area Networks" Wireless Personal Communications** Published Online: 2022-01-04: https://doi.org/10.1007/s11277-021-09285-3

Papers published in SCOPUS

- ❖ **"An Energy Efficient Routing Protocol for WSN Assisting IoT"** IJITEE - international journal of innovative technology and exploring engineering ISSN: 2278-3075, Volume-8 Issue-7S2, May 2019 www.ijitee.org (Impact Factor: 5.54)
- ❖ **"Energy Efficient and Quality of Service Compromise Techniques for Wireless Body Area Networks"** Journal of Computational and Theoretical Nano science volume 16 Dec 201916, 5055–5062 (2019) www.aspbs.com

- **Energy Efficiency and QoS Concession Technique utilizing OMAC Protocol for WBAN** Psychology And Education (2021) ISSN: 0033-3077 Volume: 58(4): Pages: 1420 – 1441 www.psychologyandeducation.net
- **"IoT Based Advanced Automation for Appliances Control & Monitoring"** Turkish Online Journal of Qualitative Inquiry **(TOJQI)** July 2021 Volume 12, Issue 3, 5272-5284.
- **"An Energy Efficient Routing Protocol for WSN Assisting IoT"** IJITEE - international journal of innovative technology and exploring engineering ISSN: 2278-3075, Volume-8 Issue-7S2, May 2019 www.ijitee.org
- **"High Performance Pipelined AES Implementation with AMBA AHB Interface for SoC's"** Turkish Online Journal of Qualitative Inquiry **(TOJQI)** Oct 2021 Volume 12, Issue 10, 1041-1050.
- **Phone Controlled Smart Wheel Chair** Neuro Quantology Aug 2022 | Volume 20 | Issue 8 | Page 9863-9870 | doi: 10.48047/nq.2022.20.8. NQ221007
- **Design And Fabrication Of Fire Extinguishing Drone** Neuro Quantology | Aug 2022 | Volume 20 | Issue 8 | Page 9871-9876 | doi: 10.48047/nq.2022.20.8. NQ221008

Papers published

- **A Novel MAC Design for Throughput Enhancement in CRAHNs** IJEEC: International Journal Of Electrical Electronics And Communication ISSN 2048 – 1069 Volume: 21 Issue: 17- May -2016   Page 5301www.ijeec.com
- **Design and Development of Drivers Behavior Monitoring and Alerting System** Ijsetr International Journal Of Scientific Engineering And Technology Research ISSN 2319 -8885 Volume: 05 Issue: 33- Oct 2016 www.ijsetr.com
- **Secured Failure Recovery System for Hybrid Wireless Sensor Network** IJITECH International Journal Innovative Technologies ISSN 2321-8665 Volume: 04 Issue:14 Oct-2016 Page: 2638-2644 www.ijitech.org
- **Design and implementation of Intelligent Power Saving System** IJR: International Journal Of Research p-I SSN: 2348 -6848, e-I SSN: 2348-795X Volume 04 Issue 01 January 2017 Page: 311-314 www.ijr.com
- **Mac Protocols For Energy Efficiency In Wireless Body Area Networks: A Survey** International Journal Of Advanced In Management, Technology And Engineering Sciences ISSN NO : 2249-7455   Volume VII, Issue I, JANUARY/2017 www.ijmtes.org
- **Automatic school bell with user-defined time schedule** IJREEIE International Journal Of Advanced Research In Electrical Electronics And Instrumentation

Engineering ISSN 2278-8875 Volume:6 Issue 2 Feb-2017.Page 994-998 www.ijreeie.com

- ❖ **A Conceptual Framework for IoT Based Health Care System** International Journal Of Scientific Engineering And Technology Research ISSN 2319 -8885 Volume: 06 Issue: 29- Sept 2017 Page: 5639-5641 www.ijsetr.com

- ❖ **Door Opening Alarm using Hall Sensor & Micro Controller 8051** IJSRD - International Journal For Scientific Research &Development| Vol. 5, Issue 07, 2017 | ISSN (online): 2321-0613 www.ijsrd.com

- ❖ **RFID Based Security Access Control System with GSM Technology IJSRSET** International journal of scientific research in science engineering and technology ISSN: 2394-4099 Vol.04, Issue.7 Pages: 83-89, 2018 www.ijsrset.com

- ❖ **Automatic Speed, Horn And Brake Management System** The International Journal of analytical and experimental modal analysis ISSN NO: 0886-9367 Volume XI, Issue XII, December/2019 www.ijaema.com

- ❖ **Location Tracking Based Women Safety With Electric Shock** Science Technology and Development Multidisciplinary Journal ISSN: 0950-0707 Vol.09, Issue.5 Pages: 248, MAY 2020 www.journalstd.com

- ❖ **Smart Phone Based Home Appliance Control System** Journal of Interdisciplinary Cycle Research. Volume XIII, Issue IV, April/2021 ISSN NO: 0022-1945 Pages 692-702 www.jicrjournal.com

- ❖ **IoT Based Solar E-Uniform for Soldiers The Ciência and Engenharia - Science and Engineering journal** Volume 11 No .1,2023. ISSN 013-944X . Page 1696-1701. https://seer-ufu-br.online/index.php/journal/article/view/321/239

Seminars, Workshops & Conferences Participated

- ❖ Attended a "**Faculty Development Program"** in **Lords Institute of Engineering & Technology, Hyderabad.** From 15th December 2015 to 20th December 2015.

- ❖ Attended an **AICTE Sponsored QIP course on "Research Methodology and Documentation"** at the **College of Engineering, Trivandrum. Kerala. From 27-11-2017 to 2-12-2017.**

- ❖ Attended **MHRD Sponsored one-week National Level Training on "Wireless Sensor Networks"** at the **Indian Institute of Technology (ISM), Dhanbad, and Jharkhand. From 18-12-2017 to 22-12-2017.**

- ❖ Attended a one-day seminar on **"Intellectual Property Rights and Patenting "by Mr. Subhajit Saha, Director of CII** on 17-01-2018. In **Lords Institute of Engineering & Technology, Hyderabad.**

- ❖ Attended an **International Conference On "Wireless Sensor Networks Ubiquitous Computing and Applications -2018".** In **GRIET, Hyderabad**. From 24/08/2018 & 25/08/2018.

- ❖ Attended a "**MOODLE" Workshop conducted by IIT BOMBAY** on 15 March 2019 at **Lords Institute of Engineering & Technology, Hyderabad.**

- ❖ Attended a **TEQIP-III Sponsored one-week National Level Workshop on "Introduction and Basics of Programming skills using MATLAB and PYTHON"** in **National Institute of Technology Srinagar, Jammu & Kashmir. From 27-05-2019 to 31-05-2019.**

- ❖ Attended in **International Virtual Conference On "Big Data Security Challenges "-2019.** In **VIT, Vellore**. 15 March 2019.

- ❖ Attended **Three days national level Seminars on "Sensor networks Internet of Things & Internet of everything"** from 8th to 10th August 2019, in **Vidya Jyothi Institute of Technology, Hyderabad**

- ❖ Participated in **5 Days National Level online Faculty Development Program on "Artificial Intelligence"** Organized by **Vignan Institute of Engineering for Women, Vishakhapatnam. From 22-05-2020 to 26-05-2020.**

- ❖ Participated in 2 **Days Hands – On Training On Technology Assisted Teaching Tools"** Organized by **CIT –TLC Coimbatore. From 29-05-2020 to 30-05-2020.**

- ❖ Paper Presented in **International Conference on "Machine Learning and Data Analytics (ICMLDA -2020)".** In SV University, Tirupati. From 18/07/2020 & 19/08/2020.

- ❖ Participated in **AICTE** Sponsored One Week Online Short-Term Training Programme Phase –II on **Medical Image Processing & its Applications in Automated Disease Detection.** From. 20th May to 26th May 2021.St Martins Engineering College.

- ❖ Participated in an Online webinar on **Research Journal Finding and references Management** on 5-06-2021.

- ❖ Participated in National Level Faculty Development Programme on "**Advances In Wireless Communication Technologies**" 07th June to 12th June 2021.Malla Reddy Engineering College. Hyderabad.

- ❖ Participated in **AICTE-ISTE** Orientation/Refresher Programme on **Opportunity Challenges and Research Trends in Wireless Communication** from 24th May to 29th May 2021. Guru Nanak Institutional Technical Campus, Hyderabad.

- ❖ Received an **Innovation Ambassador** Training **'Basic Level '**(30 contact hours) conducted in online mode by **MoE's Innovation Cell & AICTE** during the **IIC** calendar year 2021-2022.

- ❖ Received an **Innovation Ambassador** Training **'Advanced Level '**(30 contact hours) conducted in online mode by **MoE's Innovation Cell & AICTE** during the **IIC** calendar year 2021-2022.
- ❖ Attended a "**Faculty Development Program" on ICT Tools for Digital Learning, Student Management, and Industry Connection" held** in **Lords Institute of Engineering & Technology, Hyderabad.** March 2023.

Seminars, Workshops & Conferences Organised

- ❖ Organized a Seminar on **Industry Trends Shaping the Future in Embedded Systems** at **Lords Institute of Engineering & Technology, Hyderabad.** On 6th September 2017.
- ❖ Organized a **one-week national level workshop on RASPBERRY PI and PCB Design at Lords Institute of Engineering and Technology, Hyderabad.** From 23/10/2017 to 27/10/2017.
- ❖ Organized **a two-day national-level workshop on circuit design simulation and testing** on 18& 19 September 19, 2018, at **Lords Institute of Engineering & Technology, Hyderabad.**
- ❖ Organized **a two-day national level workshop on ESD & Emerging IoT Technology** on 25th & 26th March 2019, at **Lords Institute of Engineering & Technology, Hyderabad.**
- ❖ Co-ordinated for **ICEAT 9th & 10th April 2019** at **Lords Institute of Engineering & Technology, Hyderabad.**
- ❖ Organized a Seminar on **Artificial Intelligence** in **Lords Institute of Engineering & Technology, Hyderabad.** On 7th March 2019.
- ❖ Organized **Three days national level workshops on IoT Technology** from 5th to 7th August 2019, at **Lords Institute of Engineering & Technology, Hyderabad**
- ❖ Organized **A National Level Online Quiz in Electronics and Communication** from 18 to 21 June 2020.
- ❖ Organized Online Seminar on **An Insight Into IoT Technology and its Applications using Raspberry** on 17-05-2021
- ❖ Organized a **Guest lecture** on **EMTL** at **Lords Institute of Engineering and Technology**, on 16/6/2022.
- ❖ Organized **Project Expo** at **lords institute of Engineering and Technology** on 07/07/2022.
- ❖ Organized **PCB Design and Simulation** Workshop in Lords institute of Engineering and Technology from 1-3 December 2022.

- ❖ Organized 2-week **ATAL FDP** on Recent Trends in Signal and Image Processing with hands-on training using MATLAB. From 19-30 September 2022.

Technical Events

- ❖ Organized **ANIONS-2022**: A Department Technical Fest in **LIET**, Hyderabad
- ❖ Organized **ANIONS-2019**: A Department Technical Fest in **LIET**, Hyderabad
- ❖ Organized **ANIONS-2018**: A Department Technical Fest in **LIET**, Hyderabad.
- ❖ Organized **ANIONS-2017**: A Department Technical Fest in **LIET**, Hyderabad.
- ❖ Organized **ANIONS-2016**: A Department Technical Fest in **LIET**, Hyderabad.

Contributions

- ❖ Head of the Department.
- ❖ Board of Studies Chairperson for framing Autonomous Syllabi
- ❖ Department Autonomous Co-Ordinator
- ❖ MHRD Department Co-Ordinator
- ❖ NBA Department Co-Ordinator
- ❖ NAAC Department Co-Ordinator
- ❖ Department NPTEL Co-Ordinator
- ❖ Department Advisory Committee Co-Ordinator
- ❖ Department Academic Audit Committee Co-Ordinator
- ❖ Department Industrial Visit Co-Ordinator
- ❖ Department Discipline Committee In charge
- ❖ Anti-ragging committee member
- ❖ IQAC Central Committee Member
- ❖ Department Purchase Committee In charge
- ❖ B.Tech Co-Ordinator
- ❖ Project Co-Ordinator

Projects Guided

- ❖ M. Tech project Guided for 5 students
- ❖ Major Project Guided for 14 B. Tech Batches
- ❖ Mini Project Guided for 12 B. Tech Batches

Subjects Handled

- ❖ Analog Communications
- ❖ Electronic Circuit Analysis
- ❖ Digital Communications
- ❖ Electronic Devices and Circuits
- ❖ Electronic Measuring Instrumentation
- ❖ Mobile Communication and Networks

Membership Details

- ❖ **IEEE** Member
- ❖ **ISTE** Life Time Member
- ❖ **IAENG** Member

Laboratories Handled

- ❖ Electronic Circuit Analysis Lab
- ❖ Analog Communications Lab
- ❖ Digital Communication Lab
- ❖ Electronic Devices and Circuits Lab

Achievements

- ❖ Received **Best Researcher Award from Dr R. Limbardri, Chairman Telangana State Council of Higher Education.** Organized by **NISAAB EDUCATION AWARDS on 21-5-2023.** Hyderabad.

- ❖ Attended as a **Session Chair** in International Conference **(ICASEM)** which was held from 18/11/2022 to 19/11/2022 at **Lords Institute of Engineering and Technology**, **Hyderabad.**

- ❖ Appointed as an Evaluator – Institutions Innovation Council from **Ministry of Education's Innovation Cell, Govt. of India.**

- ❖ Received a Certificate as a **Moderator** in **IN4OBE** Global Virtual Summit 2022 Organized on August 12, 13 &14.

- ❖ Attended as a **Session Chair** in the National Conference which was held from 10/6/2022 to 11/6/2022 at **Theem College of Engineering (Boisar)**. **Mumbai University.**

- ❖ Received a certificate of Reviewer for **ATESJ (Q3 Scopus Journal). Jan 2021.**

- ❖ Received a certificate for **Best Paper Award in ICMLDA - July 2020   SV University, Tirupati.**

- ❖ Awarded **Best Faculty** in the year 2019 at **Lords Institute of Engineering & Technology, Hyderabad**
- ❖ Won the Second prize in the inter-college **Cricket** championship during my Diploma in **ESC Government Polytechnic** Nandyal.
- ❖ Multilingual skills- English, Telugu, Urdu & Arabic

Date:

Place: **Dr. Shaik Mahammad Rasool**