Dr Rashid Mustafa

Address: H. No. JD-14, F/F, Gupta Colony, Khirki Extension,
Malviya Nagar, New Delhi-110017
Contact No.: +91-7986444640
Email: g.rmustafa@jmi.ac.in, mustafauiet@gmail.com

Educational / Professional Qualifications

Exam Passed	Subject	Institute	University/ Board	Year
Ph.D. (Regular)	Electronics Engineering	U.I.E.T.	Panjab University, Chandigarh	2020
M. Tech.#	Instrumentation	U.C.I.M.	Panjab University, Chandigarh	2010
M.Sc.*	Electronics	U.I.E.T.	C.S.J.M. University, Kanpur	2004
B.Sc.	Physics, Maths, Chemistry	B.N.D. College	C.S.J.M. University, Kanpur	2001
Intermediate	Physics, Maths, Chemistry, English, Hindi	V.P.I.C. Panki	U.P. Board	1998
High School	Science, Maths, Biology, Soc. Sci., Hindi, English,	V.P.I.C. Panki	U.P. Board	1996

Details of Work Experience - Teaching / Industry / Any Other

S. No.	Organization	Designation	Duration	Year/Month	Work Profile
1	Jamia Millia Islamia, New Delhi	Guest Faculty	Sep 2024 to till date	0/6	Teaching
2	KIPM-CET, Gorakhpur	Associate Professor	Dec 2022 to Jan 2024	1/1	Teaching
3	KIPM-CET, Gorakhpur	Assistant Professor	April 2019 to Dec 2022	3/8	Teaching
4	Panjab University, Chandigarh	Research Scholar	April 2014-Mar 2019	5	Teaching cum Research
5	SDDIE, Barwala, Panchkula, Haryana	Assistant Professor	Jan 2011-April 2014	3/3	Teaching
6	Tata Sky Ltd., Noida	Service Engineer	Feb 2006-July 2008	2/4	Technical
Total Experience				**15 Years & 10 Months**	

Research Publications / Papers Presented in Conferences

SCI / ABDC	Scopus	UGC CARE	Others	Conferences	Books/Book Chapters
2	5	0	3	7	1

Research Profile

Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=57189321745
Google Scholar Profile: https://scholar.google.co.in/citations?hl=en&user=-8JpT4sAAAAJ
Research Gate Profile: https://www.researchgate.net/profile/Rashid-Mustafa-3
LinkedIn Profile: https://www.linkedin.com/in/dr-rashid-mustafa-a3840518/

Research Publications

1) M. J. Khan, R. Mustafa, and P. Pal, "Comparative analysis of various global maximum power point tracking techniques for fuel cell frameworks," Journal of Autonomous Intelligence, vol.6, no.2, 2023

2) R. Mustafa, S. Agrawal, and M. J. Khan, "Adaptive fusion-based clustering approach in cognitive radio networks," Results in Control and Optimization, (Scopus-Indexed) vol.8 pp. 100147, 2022. https://doi.org/10.1016/j.rico.2022.100147

3) R. Mustafa, M. J. Khan, Pushparaj, and T. Kaur, "Novel energy-efficient clustering approach for cognitive radio sensor networks," Turkish Journal of Computer and Mathematics Education (Scopus-Indexed) vol.12, no.9, pp. 3109–3116, 2021

4) R. Mustafa, R. R. Jaglan, and S. Agrawal, "Two-stage fusion in cognitive radio networks: a clustering approach," Mathematical Modelling of Engineering Problems (Scopus-Indexed) vol. 7, no. 1, pp. 146–150, 2020

5) R. Mustafa, R. R. Jaglan, and S. Agrawal, "Decision fusion-based reliable cooperative spectrum sensing scheme in cognitive radio networks," in IET Communications (SCI-Indexed) vol. 13, no. 7, pp. 947–953, 2019

6) R. R. Jaglan, R. Mustafa, and S. Agrawal, "Scalable and robust ANN-based cooperative spectrum sensing for cognitive radio networks," Wireless Personal Communications (SCIE-Indexed) vol. 99, no. 3, pp. 1141–1151, 2018.

7) R. R. Jaglan, S. Sarowa, R. Mustafa, S. Agrawal, and N. Kumar, "Comparative study of single-user spectrum sensing techniques in cognitive radio networks," Procedia Computer Science, (Scopus-Indexed) vol. 58, pp. 121–128, 2015

8) R. Mustafa and M. J. Khan, "Design development and fabrication of PIC microcontroller based embedded system for temperature monitoring," International Journal of Recent Advances in science and technology (IJRAST), vol. 2, no. 4, pp. 225–232, 2014.

9) R. M. Singh, R. Mustafa, and R. Ahmad, "Development of microcontroller-based instrument for measuring iron content in water," International Journal of Engineering and Innovative Technology (IJEIT) vol. 2, no. 4, pp. 70–73, 2012.

10) M. J. Khan and R. Mustafa, "Soil testing and analyzing using AVR microcontroller," International Journal of Electronics & Communication Technology (IJECT), vol. 3, no. 1, pp. 61–65, 2012.

Conferences Proceeding

1) R. Mustafa, R. R. Jaglan, and S. Agrawal, "Performance evaluation of cooperative spectrum sensing over fading channels based on neural network learning approach," in Proceedings of 2nd International Conference on Communication, Computing and Networking, Chandigarh, India, pp. 567–575, 29-30 March 2018

2) R. R. Jaglan, R. Mustafa, and S. Agrawal, "MATLAB Simulink modeling for spectrum sensing in cognitive radio networks," in Proceedings of 2nd International Conference on Communication, Computing and Networking, Chandigarh, India, pp. 241–250, 29-30 March 2018

3) R. R. Jaglan, R. Mustafa and S. Agrawal, "Neural network data fusion for cognitive radio network," in International Conference on Manufacturing, Advanced Computing, Renewable Energy and Communication, Springer LNEE Series, HMR Institute of Technology and Management, New Delhi, India, 19-20 July 2018

4) R. R. Jaglan, R. Mustafa, S. Sarowa, and S. Agrawal, "Performance evaluation of energy detection based cooperative spectrum sensing in cognitive radio network," in Proceeding of First International Conference on Information and Communication Technology for Information Systems, Ahmedabad, India, vol. 2, no. 51, pp. 585–593, 28-29 Nov. 2015

5)   R. Mustafa, S. Sarowa, R. R. Jaglan, M. J. Khan and S. Agrawal, "LTE-advanced random-access mechanism for M2M communication: A review," in AIP Conference Proceedings, Rajasthan, India, vol. 1715, no. 1, pp. 020036, 18–20 Oct. 2015

6)   M. J. Khan, P. Shukla, R. Mustafa, S. Chatterji, and L. Mathew, "Different types of maximum power point tracking techniques for renewable energy systems: A survey," in AIP Conference Proceedings, Rajasthan, India, vol. 1715, no. 1, pp. 020015, 18–20 Oct. 2015

7)   R. Mustafa, and Bhasker Pandey, "Neural network learning approach-based performance evaluation of cooperative spectrum sensing over fading channels" in Conference Proceeding of RTREAET-2021

Training, Workshop, Symposium and Faculty Development Programme (FDP)

1)   Five-day online FDP on "Modern Machine Learning and AI Techniques Using MATLAB for Engineering and Industry" by D/o Electronics & Communication Engineering, Madanapalle Institute of Technology & Science Madanapalle , from 27th Jan 2025 to 31st Jan 2025.

2)   One-week FDP on "Innovative Teaching Learning Practices for Engineering Education" by SND College of Engineering & RC, Yeola, from 20th Jan 2025 to 24th Jan 2025.

3)   Five-day online FDP on "Empowering Cybersecurity Through Artificial Intelligence & Machine Learning" by D/o Computer Science and Engineering, OP Jindal University, Raigarh from 16th Dec 2024 to 20th Dec 2024.

4)   12 Weeks FDP on "NBA Accreditation and Teaching and Learning in Engineering (NATE)" organized by NPTEL-AICTE from 23 Jan 2023 to 14 April 2023.

5)   12 Weeks FDP on "Introduction to Intellectual Property" organized by SWAYAM-AICTE from 23 Jan 2023 to 16 April 2023.

6)   One-week Faculty Development Program on "IoT with Machine Learning" by PVKK Institute of Technology organized in association with PANTECH E LEARNING, from 27/11/2023 to 02/12/2023.

7)   One-week FDP on "VLSI to System design: Silicon-to-end application approach" organized by AICTE, Arm Education and STMicroelectronics, held from 31st July-4th August,2023

8)   Six-Days FDP on "Teaching Pedagogy & Outcome Based Education System in NEP 2020" organized by Government Degree College, Timarni, (M.P.) from 20/02/2023 to 25/02/2023.

9)   One-week FDP on Research scope in Electrical Vehicles (In collaboration with ANSYS) organized by Department of Electrical Engineering NITTTR Chandigarh at KIPM-CET, Gorakhpur. from 05/12/2022 to 09/12/2022

10)   One-week STTP on Recent Advances in Control systems organized by Department of Electrical Engineering, MMMUT, Gorakhpur, from 25/11/2022 to 29/11/2022.

11)   One-Day National Workshop on "Sustainable Technology Development for Energy & Water Sector (STDEWS-2022)" jointly organized by Department of Mechanical & Civil Engineering, KIPM-CET, Gorakhpur and InDA on 24 November 2022.

12)   One-week online FDP on Recent Trends and Advances in Machine Learning organized by E& ICT Academy, IIT Roorkee, from 12/09/2022 to 16/ 09/2022.

13)   One-week online FDP on Future Trends in Wireless Communications and Devices organized by Electronics Engineering Department, Rajkiya Engineering College Sonbhadra UP, from 10/02/2022 to 14/ 02/2022.

14)   One Week Online Workshop on "Cyber Security and Information Assurance (CSIA 2022)" organized by Computer Science and Engineering Department, Rajkiya Engineering College, Sonbhadra from 27th January to 31st January 2022.

15)   Completed the 5-day online FDP on UHV Refresher 1 organized by All India Council for Technical Education (AICTE) from 31st January 2022 to 4th February 2022.

16) Completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 15th Nov to 19th Nov 2021.
17) Completed 8 Weeks Annual Refresher Programme in Teaching (FDP) on "Big Data Analytics for Smart Grid" organized by NITTTR, Chandigarh from 01 Sep 2019 to 31 Oct 2019.
18) Attended two-day symposium on "Emerging Trends in Telecommunication and IT" organized by UIET, Panjab University, Chandigarh on 12-13 Nov. 2014.
19) Attended one-day Training on "System Design using Optiwave" organized by UIET, Panjab University, Chandigarh and Gigasoft, New Delhi on 21 Nov. 2014.
20) Attended two-day workshop on "2G and 3G" organized by ECE Department, NITTTR, Chandigarh on 3-4 Sep. 2015.
21) Attended two-day workshop on "Recent Trends in Signal Processing" organized by ECE department, UIET, Panjab University, Chandigarh on 28-29 April 2016.
22) Attended three-day workshop "CHASCON-2016" organized by Panjab University, Chandigarh on 29 Feb-2 March 2016.
23) Attended three-day workshop "CHASCON-2017" organized by Panjab University, Chandigarh on 9-11 March 2017.
24) Attended three-day workshop "CHASCON-2019" organized by Panjab University, Chandigarh on 13-15 March 2019.
25) Participated in one-day IMS workshop on "Nanoelectronics and VLSI Development" organized by UCIM, Panjab University, Chandigarh held on 18 October 2008.

Earlier Position
Worked as NBA Coordinator (ECED) and IPR activity Coordinator (IIC) at KIPM College of Engineering & Technology, Gorakhpur.

Professional Membership
- Ex-Member of Indian Microelectronics Society, Panjab University, Chandigarh.
- Member of International Association of Engineers (IAENG), Hong Kong.

References

Name	Prof. Sunil Agrawal (Ph.D. Supervisor)	Dr. Gagnesh Kumar
Designation	Professor	Assistant Professor
Address	Department of Electronics Engineering, UIET, Panjab University, Chandigarh	Department of Electronics and Communication Engineering, NIT, Hamirpur
Email	s.agrawal@hotmail.com	gagnesh@nith.ac.in, gagnesh78@gmail.com
Contact No.	8699023296	9815226699

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

 Place:

 Date:

Rashid Mustafa

(Dr Rashid Mustafa)