	## Dr. RICHA KAPOOR Associate Professor Hindustan College of Science and Technology Mathura-281122 Contact: +91-9568006067 Email: richa.kapoor11.hcst@sgei.org

Qualification	:	Ph.D., M.Tech., B.Tech.
Department	:	Electrical and Electronics Engineering
Experience (Academics/Industry/Research)	:	19.5 Years
Research Interest	:	Power System, soft Computing Tools, Renewable energy
BTech/MTech/MPhil Dissertation supervised		BTech- 38
Sponsored Research Project / Consultancy	:	NA
Research Publications	:	11

Journals:

MohiniYadav, MajidJamil,MohammadRizwan,and **Richa Kapoor (2023)** "Application of Fuzzy-RBF-CNN Ensemble Model for Short-Term Load Forecasting"Journal of Electrical and Computer **Engineering DOI:** http://doi.org/10.1155/2023/8669796.
Richa Kapoor, Jay Kumar "Maximum Power Point Tracking Performance Analysis by Perturb and Observe (P & O) Algorithm"Journal of Alternative and Renewable Energy sources, Volume-7, Issue-1 (January-April, 2021)
Richa Kapoor and Himanshu Vijay (2017) "Comparison of conventional SFRA with intelligent SFRA" International Journal of Advanced Technology and Engineering Exploration, Vol 4(30) ISSN (Print): 2394-5443 ISSN (Online): 2394-7454 http://dx.doi.org/10.19101/IJATEE.2017.429011
Richa Kapoor and Himanshu Vijay (2016) "Intelligent System for SFRA of Transformer" Intelligent system for SFRA of transformer," International Journal of Scientific and Technical Advancements, Volume 2, Issue 4, pp. 191-194, ISSN: 2454-1532.

Jay Kumar ,**Richa Kapoor** , Brijendra , Hemant , Jyoti (2013) "Comparative Analysis of Room Temperature Controller Using Fuzzy Logic & PID," Advance in Electronic and Electric Engineering. ISSN 2231-1297, Volume 3, Number 7 (2013), pp. 853-858 © Research India Publications http://www.ripublication.com/aeee.htm.	
D.C. Dhubkarya , Deepak Nagariya , **Richa Kapoor** (2010) "Implementation Of A Radial Basis Function Using VHDL" Global Journal of Computer Science and Technology P a g e|16Vol. 10Issue10 Ver.1.0 Sepetember2010 online ISSN: 0975-4172, Print ISSN: 0975-4350	

Conference:

R. Kapoor, Jay Kumar, **(2022)** "Statistical Techniques for SFRA diagnosis of Distribution Transformer" International Conference organized at KIET. Ghaziabad on 01-05 November, 2022	
R. Kapoor, Jay Kumar, D. Dhubkarya, Deepak Nagariya(**2010**) "A Comparative Study of Different Learning Rate In Radial Basis Function" IEEE International Conference organized at RGPV, Bhopal on 26-28 November, 2010 DOI:10.1109/CICN.2010.121 Corpus ID: 14847145	
Richa Kapoor, (2010) "------------------" National Conference on Recent Trends in Electrical Electronics Engineering organized by Harayana College of Technology and Management, Kaithal during May 14-15, 2010	
Richa Kapoor, (2009) "Implementation of the Genetic Algorithm Using FPGAs" National Conference on Artificial Intelligence & Its Applications organized by Faculty of Engineering & Technology R.B.S. College, Bichpuri, Agra during September 12-13, 2009	
Richa Kapoor, Jyoti Srivastava (2008) "Municipal Waste Water Treatment Plant" National Conference on Pollution and Control : Recent Advances organized by Al-Falah School Of Engineering & Technology Dhauj, Faridabad 07 May, 2008 Attended National Conference on Emerging Trends in Electrical, Instrumentation & Communication Engineering "ETEIC-2012" from 6 to 7 April, 2012. Attended National Conference on "Recent Trends in Electrical & Electronics Engineering (RTEEE-2010)" from 14 to 15 May, 2010.	

Patents:

- Design Patent on Hexa Tube LED Bulb published on 18/01/2022 with design no. 356883-001

- Design Patent on Sanitizing Dustbin published on 08/02/2022 with design no. 358080-001

Book / Book Chapter	:	**NA**
MOOC Courses/Certifications		NA
Workshops/Training (Organized / Attended)		• **Coordinator** for Astt Electrician course under PMKVY • **Coordinator** for Solar Panel Installation course under PMKVY • **Convener** of Semiconductor Conclave 2022 • attended Workshop on "Recent Trends in Microwave Integrated Circuits" Conducted by IEEE MTT-S SBC IIT Delhi at Sachdeva Institute of Technology, Mathura on Sept. 18-19,2010. • STTP on Automation in Industries Conducted by NITTR, Chandiragh on Jan. 30- Feb. 3, 2006. • National Workshop on "LABVIEW, MATLAB and their Applications" from 25-03-2011 to 26-03-2011

		• Workshop on "μwind Tools Complete CMOS Design & Simulation System" Conducted by KIET, Ghaziabad from 13 to 14 March, 2008 • STC on Big Data Applications in Electrical Engineering, organized by NITTR , Chandigarh during 20/02/2023 to 24/02/2023 • AICTE sponsored Short Term Training Program on "Solar PV and Storage Systems" at JSS Academy of Technical Education, Noida. 14-19 Dec 2020
FDP (Organized / Attended)		• Participation in one week online Faculty Development Program on "Big Data Applications in ElectricalEngineering" organized by National Institute of Technical Teachers Training & Research, Chandigarh,20-02-2023 to24-02-2023. • ParticipationinoneweekInductionProgramon"**EnergyConversionTechnology**"atHindustancollegeofscienceandtechnology,Mathura, sponsoredbyAICTE-ISTEon03/12/2018-08/12/2018. • **Convener** Faculty Development Program on "Emerging Trends In Electrical & Electronics Engineering" 26 July to 30 July, 2021 • **Convener** of one week FDP on MATLAB and its application in Engineering from June 04-09 2018. • Attended 2 Weeks FDP on "System Design Using FPGA" Organized by C-DAC, Hyderabad, 18-05-2009 to 29-05-2009
Achievements		
Award	:	
Membership of Professional Bodies		