


Dr. Usha Verma

1. Personal Information			
(i)	Name	Dr Usha Verma	Photo 
(ii)	Qualification	Ph. D. (Electronics Engg.)	
(iii)	Designation	Assistant Professor	
(iv)	Email-id	uverma@sgsits.ac.in	
(v)	Employee No.	0905220	
(vi)	Department	Electrical Engg.	
(vii)	Experience	07 years	

2. Educational Qualification				
S. No.	Degree	Specialization	Year	University/Board
1.	Ph.D.	Electronics Engineering	2021	Shri Vaishnav Vidyapeeth viswavidyalaya , Indore
2.	M.E.	Power Electronics	2011	S.G.S.I.T.S, INDORE
3.	B.E.	Electrical Engineering	2009	R.G.P.V. Bhopal

Research Interests:

Artificial Neural Network Applications to Control Systems, Electrical machines,

and Electrical Power System.

I. International Journal			
S.No.	Title of Research Paper	Name of Journal and Year/Issue No.	Remarks, if any
1.	RAS Enhancement of wireless sensor network using Hybrid approach	Wireless personal Communication Journal (Springer), 2022, vol.124,no.4,pp. 3355-3374	DOI- 10.1007/s11277-022-09516-1.
2.	Wireless Sensor Network Path Optimization using Sensor Node Coverage Area Calculation Approach	Wireless Personal Communications Journal (Springer),2021,Vol.116, No.1,pp.91-103..	
3.	Optimal Nodes Communication Coverage Approach for Wireless Sensor Network Path Planning	Springer Book Series Advances in Intelligent Systems and Computing, 2021, Vol.1189, Chapter No.8, pp.57-68.	ISSN (0975 – 8887)

4.	Reliability Enhancement of Wireless Sensor Network Using Error Rate Estimation (ERE) Method	Springer Book Series Advances in Intelligent Systems and Computing, 2021, Vol.1189, Chapter No.9, pp.69-76.	
5.	"Wireless Sensor Network Application in IoT: A Cross Platform Implementation Approach	International Journal of Research in Engineering Technology and Management, 2017, Vol.5, No.01, pp.1-6,	ISSN2347-7539

(II) International Conference Publications			
S. No.	Title of Paper	Name of Conference	Place/Date
1.	LSTM based Transient Stability Assessment of Power System using Synchrophasors	IEEE 6th Global Power, Energy and Communication Conference (IEEE GPECOM2024)	Budapest/Hungary held on 4-7,2024

2.	Wireless Sensor Network: An Algorithmic Node Simulation Approach	5th International IEEE Conference on Computing for Sustainable Global Development, IEEE Conference ID: 42835 2018, pp.4046-4048	(BVICAM), New Delhi (INDIA), ISSN 0973-7529; ISBN 978-93-80544-28-1
3.	Wireless Sensor Network Application using Hardware and Software Based Approach	Doctoral Conference on Innovative Practices in Science, Technology, Humanities and Management	SHODH 2018(31st March), SVVV, Indore (M.P),pp.40.
4.	A Survey on Coupled Wireless Sensor Networks: An Advanced Deployment Approach	Doctoral Conference on Innovative Practices in Science, Technology, Humanities and Management	SHODH 2017 (3rd March), SVVV, Indore (M.P), pp.19.
5	Sensor Node Deployment for Wireless Sensor Network: An Improved Approach	Approach”,6th International IEEE Conference on Computing for Sustainable Global Development	IEEE Xplore,2019, Electronic-ISBN: 978-9-3805-4434-2

(II) National Conference Publications

S.No.	Title	Name of Conference	Place/Date
1.	Speed Control of DC Motor using Artificial Neural Network Based Controller	National Conference on Application of Evolutionary Computing Techniques in Electrical Engineering	16th -17thFeb2012, RGTU-UIT, Bhopal(M.P).
2	“To Improve the Dynamic Performance of DC Motor with ANN controller By using Back Propagation Algorithm”	National Conference on Recent Trends in Electrical & Electronics Engineering	14th May 2011, M.I.T.M., Indore, (M.P)
3	Analysis of Improvement in Dynamic Response of DC Motor	National Conference on Advanced in Electrical & Electronics Engineering	24th-25th FEB2011, S.V.C.E, Indore, (M.P).

IV. List of Conferences/Workshops/Seminars Organized/Online webinar	
1.	Participated in the one day DLP workshop titled “Smart Power Flow Controllers: Essential for Future Power Grid” conducted by Dr. Kalyan K.Sen, and hosted in collaboration with IEEE student branch, IIT Indore on April 12,2024.
2.	Participated in the AICTE Sponsored Online Short Term Training Program(STTP) on “Assembly Line Automation and Machine Building” Phase- 3, during 8th to 13th February 2021.
3.	Participated in the AICTE Sponsored Online Short Term Training Program on “Assembly Line Automation and Machine Building” Phase- 2, during 4th to 9th January 2021.
4	Participated in the AICTE Sponsored Online Short Term Training Program on “Assembly Line Automation and Machine Building” Phase- 1, during 14th to 19th December 2020.
5.	Participated as organizing committee member in International Conference on “Energy Environment and Life Science for Sustainable Future” and “National Science Day Celebtaion-2014” Organized by Swami Vivekananda University, Sagar (M.P) on1st March 2014.
6.	Participated as organizing committee member in International Conference Organized by Swami Vivekananda University, Sagar (M.P) sponsored by MPCST Bhopal (M.P) on 28th feb-1st March 2014.
7.	Participated in a Mission10x workshop conducted at Swami Vivekananda College of Engineering, Indore (M.P) in 2012.
8.	Attended the webinar on Electrical Vehicle Technology: Developments and Opportunities the institute organized by Department of Electrical Engineering, S.G.S.I.T.S., Indore on 13/06/2020

9.	Attended the webinar on Enhancement of Testing and Consultancy in the Institute organized by Department of Electrical Engineering, S.G.S.I.T.S., Indore on 14/06/2020.
10.	Attended the webinar on “5G Technology and Its Impact on Our Life” on August 06, 2020.
11.	Attended the National Webinar on “Embedded Systems and IOT” on June 22,2022, organized by Shri Vaishnav Vidyapeeth Vishwavidyalaya , Indore(M.P) in association with Edgate Technologies and Texas Instruments University Program