

Resume



Name : Dr. Manisha Sharma
Designation : Assistant Professor
Department : Electrical Engineering
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Other Profile Links

Research Gate Link :

Personal Web Link :

Google Scholar Link :

Research Profile

Research Interests : AI Application in Power Systems, Power System Operation & Control.

Brief Research Profile :

Qualification

Name of the Degree	Year Of Passing	Institute/University
PhD.	2013	RGPV Bhopal
M.E.	2007	RGPV Bhopal
B.E.	2005	RGPV Bhopal
Diploma	2002	RGPV Bhopal

Publications

Year	Journal	Publication	Indexed In
2018	INAE Letters, Springer	" A Solution to Non-convex/ Convex and Dynamic Economic Load Dispatch Problem Using Moth Flame Optimizer", volume 3, Issue 2, pp 65-86.	--
2015	Applied soft computing, Elsevier Science	Performance comparison of enhanced PSO and DE variants for dynamic energy/reserve scheduling in multi-zone electricity market", vol.37,pp.619-631.	SCI
2015	Applied soft computing, Elsevier Science	Environmental Economic Dispatch in multi-area power system employing improved differential evolution with fuzzy selection", vol.28,pp.498-510.	SCI
2014	The Journal of Engineering , IET	Large-scale multi-zone optimal power dispatch using hybrid hierarchical evolution technique", pp 10,DOI:10.1049/joe.2013.0262, online ISSN 2051-3305.	Scopus
2011	International Journal of Electrical Power and Energy Systems (IJEPES), Elsevier Science	"Reserve Constrained Multi-Area Economic Dispatch Employing Differential Evolution with Time-Varying Mutation " ,vol.33, pp 753-766.	SCI
2010	International journal on power system optimization and control	"Particle Swarm Optimization Based Approaches for Large Scale Multi-area Power Dispatch", vol.2, no.1,pp.63-73.	--
2011	International Journal of Engineering Science and Technology (IJEST), (Special Issue on Application of Computational Intelligence in Emerging Power Systems)	"Multi-Area Economic Dispatch with Tie-Line Constraints Employing Evolutionary Approach", Vol.2,no.3, pp132-149.	--
2010	International Journal of Applied Evolutionary Computing (IJAECE)	Reserve Constrained Multi-Area Economic Dispatch Employing Evolutionary Approach" ,vol.1, no.3 , pp 49-69.	---
2013	TIT International Journal of Science & Technology	"PSO-TVIW Based Optimal Placement and Sizing of TCSC for Loss minimization under contingencies" , sep 2013.	---
2014	International journal JITSPT in RKDF university Bhopal	"Distributed Generation and its Impacts on Modern Power System", India, 2014.	--
2014	International journal JITSPT in RKDF university Bhopal	"Distributed Power Generation Option for Rural Area", India, 2014.	---
2014	International journal JITSPT in RKDF university Bhopal	"SECURITY THREATS OF VOIP" , India, 2014.	--
2017	International Journal of Applied Science and Technology (IJAST)	"Whale Algorithm for Constrained Numerical Optimization" , vol. 9, issue.1, PP. 30-36.	--

Edited Book/Book Chapter

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Book Chapter	Reserve Constrained Multi-Area Economic Dispatch Employing Evolutionary Approach.	IGI Global	Sharma Manisha and Manjaree Pandit	DOI:10.4018	2012
Book Chapter	An Analytical Hierarchy Process Based Approach for Effective Maintenance Prioritization of Power Transformers	Springer	Kavish Jain, Awin Gupta, Yog Raj Sood Manisha Sharma	978-1-4666-1749-0.ch011	2018

Research Projects

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
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Research Supervision

Programme Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor
M.Tech	Mr Kavish Jian	An Analytical Hierarchy Process based approach for Effective Maintenance Prioritization of Power Transformers	Completed	2017	Dr. Y. R. Sood
M.Tech	Mr. Abhishek Saini	Transformer Interturn Fault Diagnosis by Sweep Frequency Response Analysis	Completed	2018	N.A.
M.Tech	Mr. Arun Chantola	Evaluation of Health Index of Power Transformer Using Fuzzy Logic Approach	Completed	2018	N.A.

Patents

Name	Reg./Ref.No.	Date Of Award/Filing	Organization	Status
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Teaching

Programme Name	Subjects Taught	From	To	Credits
Assistant Professor	Electrical Engineering, NIT Hamirpur	30/07/2015		10
Assistant Professor	RJIT, Tekanpur Gwalior	01/07/2014	27/07/2015	1 Year

Administrative Responsibilities

Position Held	Organization	From	To	Remarks
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Expert Talks

Title	Place	Year	Description
Particle swarm optimization & Differential evolutionary techniques for engineering application	MITS, Gwalior	2010	SOFT COMPUTING TECHNIQUES AND THEIR ENGINEERING APPLICATIONS for the faculty of engineering colleges, from January 25, 2010, to February 05, 2010.
Biogeography based optimization techniques for engineering application	MITS, Gwalior	2010	SOFT COMPUTING TECHNIQUES AND THEIR ENGINEERING APPLICATIONS for the faculty of engineering colleges, from January 25, 2010, to February 05, 2010.
An introduction to electric symbol	NIT, Hamirpur	2017	under skill India program on 20
An introduction to MATLAB Simulation toolbox	NIT, Hamirpur	2018	07

Professional Activities

Name of Activity	Role	Duration	Organization
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Courses Organized

Category	Type	Title	Venue	From	To	Designation
symposia	National	Vigilance awareness week for the students of engineering colleges as well as Schools	NIT Hamirpur (H.P.)	26/10/2015	31/10/2015	Coordinator
stc	National	Integrating Renewable Energy Sources in Deregulated Power Sector (IRESDPS - 2016)	NIT Hamirpur (H.P.)	23/05/2016	28/05/2016	Coordinator
fdp	National	SOFT COMPUTING TECHNIQUES AND THEIR ENGINEERING APPLICATIONS	MITS, Gwalior (M.P.)	25/01/2010	05/02/2010	Member of organizing committee
workshop	National	MP Council of Science and Technology sponsored Workshop on Quality assurance in Technical Education	MITS, Gwalior (M.P.)	06/02/2010	07/02/2010	Member of organizing committee
workshop	National	Renewable Energy Based Power Generation: Options & Challenges	MITS, Gwalior (M.P.)	14/09/2013	14/09/2013	Member of organizing committee
symposia	National	National science week-science for nation building"	Rustam Ji Institute Of Technology, BSF - Tekanpur, Gwalior	23/02/2015	28/01/2015	Member of organizing committee
stc	National	Matlab And Its Applications In Engineering Research	NIT Hamirpur (H.P.)	17/08/2015	21/08/2015	Member of organizing committee
conference	National	Advancements in Electrical engineering and energy Sciences	NIT Hamirpur (H.P.)	24/05/2016	25/05/2016	Member of organizing committee
workshop	National	Realise your true potential- mind is the Master, master the Mind	NIT Hamirpur (H.P.)	17/11/2015	17/11/2015	Member of organizing committee
workshop	National	Stress management	NIT Hamirpur (H.P.)	04/09/2016	04/09/2016	Member of organizing committee
workshop	National	Speak up and reach out to prevent suicide	NIT Hamirpur	28/01/2017	28/01/2017	Member of organizing committee
workshop	National	MODERN DIAGNOSTIC TOOLS FOR ASSESSING HEALTH OF ELECTRICAL APPARATUS	NIT Hamirpur (H.P.)	02/09/2017	03/09/2017	Member of organizing committee

Date :**Place :****Signature**