

# Resume



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**Designation** : Professor  
**Department** : Electrical Engineering  
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## Other Profile Links

**Research Gate Link :**

**Personal Web Link :**

**Google Scholar Link :**

**Research Profile**

**Research Interests :**

**Brief Research Profile :**

## Qualification

Name of the Degree	Year Of Passing	Institute/University
Bachelor of Engineering	1986	MMM Engg. College Gorakhpur
Master of Engineering	1988	UOR Roorkee (now IIT Roorkee)
Ph.D	1999	UOR Roorkee (now IIT Roorkee)

## Publications

Year	Journal	Publication	Indexed In
1996	Electric Machines and Power Systems	"A robust artificial neural network technique for dynamic stability assessment" Taylor & Francis publication Ltd. UK, Volume 24, Number 7, 1996, pp. 733-744.	Scopus record ID = 8130
1997	Electric Machines and Power Systems	"Input-feature based comparative study of intelligent transient stability assessment" Taylor & Francis publication Ltd. UK, Volume 25, Number 6, 1997, pp. 593-605.	Scopus record ID = 8130
1997	Electric Machines and Power Systems	"Kohonen neural network classifier for voltage collapse margin estimation", Volume 25, Number 6, Taylor & Francis publication Ltd. UK, 1997, 607-619.	Scopus record ID = 8130
1997	International Journal of Power and Energy Systems	"ANN based voltage collapse proximity prediction", IASTED publication Canada, Volume 17, Number 2, 1997, pp. 132-137.	Scopus record ID = 26993
2002	International Journal of Electrical Power and Energy Systems	"ANN for transmission system static security assessment", Elsevier publication Ltd. UK, Volume 24, Number 10, 2002, pp. 867-873.	Scopus record ID = 17985
2003	International Journal of Electrical Power and Energy Systems	"Sensitivity based voltage instability alleviation using ANN", Elsevier publication Ltd. UK, Volume 25, Number 8, 2003, pp. 651-657.	Scopus record ID = 17985
2004	Institution of Engineer (India),	"Sensitivity based approach for voltage instability alleviation using ANN", EL Division, Volume 84, 2004, pp. 207-213.	Scopus record ID = 17919
2005	Electric Power System Research	"Fast real power contingency ranking using counter propagation network: Feature selection by neuro-fuzzy model", Elsevier publication Ltd. UK, Volume 73, Number 3, 2005, pp. 343-352.	Scopus record ID = 16044
2007	International Journal of Power & Energy Systems	"Sensitivity-based Hybrid Approach for Voltage Instability Alleviation using ANN", IASTED Publication Canada, Volume 27, Number 1, 2007, pp. 13-20	Scopus record ID = 26993
2011	International Journal of Computer and Electrical Engineering (IJCEE)	" Study the Insulation System of Power Transformer Bushing", Vol. 3, No. 4, August 2011. pp. 544-547.	-
2011	International Journal of Computer and Electrical Engineering (IJCEE)	" Investigation of polarization and depolarization current for evaluation of moisture in oil-pressboard insulation", Vol. 3, No. 6, December 2011. pp. 853-856.	-
2011	International Journal on Recent Trends in Engineering & Technology	"Modern Diagnostic Facilities for Power Transformer in TIFAC-CORE", IJRJET 2011. Vol. 5, No. 2, Mar 2011, pp. 103-107.	-
2011	International Journal in Engineering & Technology	"Modern Diagnostic Facilities for Power Transformer in TIFAC-CORE", Vol. 05, No.2, Mar., 2011.	-
2011	International Journal of Computer and Electrical Engineering	"Study of the Insulation System of Transformer", Vol. 3, No. 4, Aug., 2011.	-
2011	International Journal of Computer and Electrical Engineering	, " Investigation of Polarization and Depolarization Current for Evaluation of Moisture in Oil -Pressboard Insulation", Vol. 3, No. 6, Dec., 2011.	-
2011	International Journal of Advances in Engineering Sciences	"Elimination of Internal Resonant Harmonics in Power Converters", vol.1, no.1, pp. 31-34, India, Jan 2011.	-
2011	International Journal in Engineering & Technology	"Modern Diagnostic Facilities for Power Transformer in TIFAC-CORE", Vol. 05, No.2, Mar., 2011.	-
2012	International Journal of Computer and Electrical Engineering (IJCEE)	"Condition Monitoring of Insulation System in Power Transformers", Vol.4, No.2, April 2012, pp. 149-152.	-
2012	Journal of Applied Security Research	, " Multialgorithmic Approach for ECG Based Human Recognition", 7:4, 2012, 399-408.	Scopus record Id = 19361610
2014	International Journal of Electrical, Electronics and Data Communication (IJEEEDC)	"Voltage Collapse Prediction by Neuro-Fuzzy (ANFIS) Scheme", Vol. 2 ,10, 2014.	-

Year	Journal	Publication	Indexed In
2013	Turkish Journal Of Electrical Engineering & Computer Sciences	"Thermal Aging of Solid Insulation under dual temperature variation", 24, (2016), 5210-5223 Science Citation Index Expanded (SCI-E) (2013 Impact Factor: 0.644).	Scopus record Id = 22933
2015	IEEE Transactions on Dielectrics and Electrical Insulation	"Development of a Novel Dual Temperature Model for Insulation Aging in Oil Immersed Transformers", Vol. 22, Issue 5, pp. 2723-2736, October 2015 Science Citation Index (SCI), Impact Factor: 1.228.	SCI serial no. 1564

### Edited Book/Book Chapter

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
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### Research Projects

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
P I	Sponsored Research Project	Contingency Screening and Ranking for Voltage Stability	MHRD	01/04/2005	31/03/2010	6.0 lacs	Completed	---
Coordinator	Sponsored Research Project	Power Transformer Diagnostics	TIFAC,DST	01/02/2006	31/01/2008	5.30 crore	Completed	---

### Research Supervision

Programme Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor
Ph.D	Mr Amit Kaul	Hybrid Biometric Approach for Human Identification	Completed	2014	Prof. A S Arora
Ph.D	Mr Amit Kumar	Iging in Oil Immersed Transformer	Completed	2015	Prof. RN Sharma
Ph.D	Mr Mukesh Singh	Static Security Assessment using Machine Learning Techniques	on-going	2019	-
M.Tech	Mr Mohan Pant	AI tools based unit commitment	Completed	2007	-
M.Tech	Mr Rajinder Singh Barwal	Contingency screening and ranking for voltage stability	Completed	2007	-
M.Tech	Mr Sandeep Sharma	Design of Power Transformer and fault analysis using SFRA	Completed	2007	Dr Mukesh Pathak
M.Tech	Mr Amit Bakshi	Transient stability constrained optimal power flow	Completed	2008	-
M.Tech	Mr Santosh Samantaray	Optimal power flow control for congestion management by Interline Power flow controller (IPFC)	Completed	2008	-
M.Tech	Ms Charu Sharma	Artificial intelligent technique for short term load forecasting	Completed	2009	-
M.Tech	Mr Mayank Goyal	Enhancement of power system security through optimal placement of TCSC and UPFC	Completed	2009	-
M.Tech	Mr Lakshmaiah Bolleddu	Combined economic and emission dispatch using Artificial Neural Network	Completed	2009	-
M.Tech	Mr Syamsundara Rao Saikam	Transient stability assessment using Support vector machine	Completed	2009	-
M.Tech	Mr Ajay Pal Singh	Coupled magneto-structural analysis using FEM technique	Completed	2009	Prof. Kulkarni
M.Tech	Mr Rajneesh Katoch	Short term load forecasting using ANN	Completed	2010	-
M.Tech	Mr Shaik Affijulla	Optimal placement of Unified poer flow controller for alleviating voltage instability	Completed	2011	-
M.Tech	Mr Sameer Kumar Singh	Fuzzy expert approach for voltage-reactive power dispatch	Completed	2012	-
M.Tech	Mr B Uday Kumar	Voltage instability alleviation in poer system using AI	Completed	2013	-
M.Tech	Ms Ankita Singh	Voltage collapse detection using Ant colony system	Completed	2014	-
M.Tech	Mr Swasti Bachan Panda	Voltage collapse risk classification using neuro-fuzzy hybrid system	Completed	2014	-
M.Tech	Mr Roshan Kumar Sinha	Fast contingency analysis and ranking for power system security assessment	Completed	2014	-
M.Tech	Mr Ankit Jangra	Short term load forecasting using a parallel neural-fuzzy processor	Completed	2015	-
M.Tech	Ms Anjali Sharma	Power system voltage stability on the basis of branch active power	Completed	2016	-
M.Tech	Mr Kapil Chauhan	Steady state voltage stability analysis by extended bus type load flow method	Completed	2016	-
M.Tech	Mr Birender Singh	Power loss minimization in distribution system by utilization of enhanced reconfiguration method	Completed	2016	-
M.Tech	Mr Apoorav Ravi Pandey	Power system static security improvement using evolutionary techniques	Completed	2017	-

### Patents

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

Programme Name	Subjects Taught	From	To	Credits
Professor	Electrical Engg. Department, NIT Hamirpur	01/07/2004	11/09/2020	16 years
Assistant Professor	Electrical Engg. Department, NIT Hamirpur	12/09/1995	30/06/2004	8.5 years
Lecturer	Electrical Engg. Department, NIT Hamirpur	11/04/1988	11/09/1995	7.5 years

### Administrative Responsibilities

Position Held	Organization	From	To	Remarks
Head of Department	Electrical Engg. Department, NIT Hamirpur	14/10/2002	27/01/2004	27
Head of Deparment	Electrical Engg. Department, NIT Hamirpur	01/02/2007	03/02/2008	01
Dean (IRD)	NIT Hamirpur	28/01/2004	31/01/2006	2004,03
Dean(Acad.)	NIT Hamirpur	11/02/2010	01/10/2012	02
Dean(SW)	NIT Hamirpur	07/01/2014	11/03/2016	2008,31
Professor In-charge (Training and Placement)	NIT Hamirpur	04/02/2008	10/02/2010	01
Chief Vigilance Officer	NIT Hamirpur	14/01/2016	11/09/2020	2006,01
Registrar	NIT Hamirpur	20/03/2016	31/01/2020	10

	<b>Position Held</b>	<b>Organization</b>	<b>From</b>	<b>To</b>	<b>Remarks</b>
	Dean(P&D)	NIT Hamirpur	22/08/2020	22/08/2020	2012,11
	Dean(Acad.)	NIT Hamirpur	24/04/2020	15/07/2020	03

### Expert Talks

<b>Title</b>	<b>Place</b>	<b>Year</b>	<b>Description</b>
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### Professional Activities

<b>Name of Activity</b>	<b>Role</b>	<b>Duration</b>	<b>Organization</b>
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### Courses Organized

<b>Category</b>	<b>Type</b>	<b>Title</b>	<b>Venue</b>	<b>From</b>	<b>To</b>	<b>Designation</b>
stc	FDP	Emerging Techniques in Power System Operation and Control(PSOC)	NIT Hamirpur	03/07/2007	07/07/2007	Coordinator
stc	FDP	Short Term Course on Power Generation Operation and Control (PGOC-2012)	NIT Hamirpur	08/07/2012	12/07/2012	Coordinator
stc	Skill Development	Short Term Course on Electrical Measuring Instruments	NIT Hamirpur	21/12/2009	25/12/2009	Coordinator
stc	FDP	Advances in Power Generation, Operation and Control	NIT Hamirpur	12/07/2010	16/07/2010	Coordinator
stc	Skill Development	Short Term Course on Measuring Instruments and Electrical Appliances	NIT Hamirpur	08/07/2008	12/07/2008	Coordinator
conference	R &D	National Conference on 'Technological Advances and Computational Techniques'	NIT Hamirpur	25/06/2013	27/06/2013	Chairman

**Date :**

**Place :**

**Signature**