

## BIODATA

**Post** : Professor

**Department (Institute)** : Electrical Engineering  
(Institute of Engineering & Technology, Lucknow)

**Category/Gender** : Unreserved/Female

**Name** : **Dr Arunima Verma**

**Father's Name** : **Mr. R N Dey**

**Date of Birth** : 30<sup>th</sup> Nov. 1979

**Nationality** : Indian

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**Academic Qualifications** :

Examination Passed	Subjects / Stream (Specialization)	Name of College / Institute (Board / University)	Year of Passing	Total % / Division
High School	Science, Mathematics, English, Hindi, Social Science, Comp. Sc	City Montessori School, Stn Rd, Lucknow (ICSE Board)	1994	91.40/ 1 <sup>st</sup> Div with Distinction in all sub. <b>(13<sup>th</sup> all India rank)</b>
Intermediate	Physics, Chemistry, Mathematics, English, Comp. Sc.	City Montessori College, Stn Rd, Lucknow (ISC Board)	1996	83.50 / 1 <sup>st</sup> Div with Distinction in all sub. <b>(85.3% in PCM)</b>
B. Tech.	Electronics & Power Engineering (Electrical Engg.)	PCEA, Nagpur/ Nagpur Univ	2000	78.96 / 1 <sup>st</sup> Div with Distinction <b>(1<sup>st</sup> in the Institute including all branches, 4<sup>th</sup> in the Univ.)</b>
M. Tech.	Electrical Engg. (Power Systems)	MREC (now MNIT), Jaipur/ Rajasthan Univ	2002	85.10/ 1 <sup>st</sup> Div with Distinction <b>(1<sup>st</sup> in the Institute and Univ.)</b>
Ph. D.	Electrical Engineering (Electric Drives)	U.P. Technical University, IET Campus Lucknow	2011	awarded

**Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award:**

**Title:** "Investigations on Intelligent Control Algorithms for the Design of Speed Controller in Variable Frequency Induction Motor Drives".

**Supervisors:** Dr Bhim Singh, IIT Delhi, Dr Bharti Dwivedi, IET Lucknow, Dr Dinesh Chandra, MNNIT Allahabad

**Experience :**

Organization	Duration	Designation	Department	Total Emoluments
Institute of Engineering & Technology	22 <sup>nd</sup> Feb., 2003 to Till date	Assistant Professor	Electrical Engineering	15600- AGP 8000- 36700

**Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.**

- Award:**
1. "Excellence Award 2017 for Contribution in Education Development by Confederation of Education Excellence (CEE), New Delhi"
  2. Awarded Senior Membership of IEEE in 2021

**Grant:** Received International Travel Grant in Nov 2016 by SERB, Department of Science & Technology (DST), New Delhi.

**Professional Recognition:**

1. Chaired Technical Session in IEEE International Conference on Industrial Electronics & Application IEACon 2016, Kota Kinabalu Malaysia
2. Technical Program Committee (TPC) member for **eTechNxt'18** (2018 IEEMA Engineer Infinite Conference).
3. Chaired Technical Session in IEEE International Conference UPCON-2018, MMMUT, Gorakhpur
4. Chaired Technical Session in IEEE International Conference ICETTA 2019, REC Kannauj.
5. Coordinator, 5 day FDP on "Smart Grid Technologies-II" under Green Technologies and Sustainability Engineering funded by AICTE under ATAL-FDP from 15-19 Dec. 2020

**Most Important Contribution as per Own Assessment**

- a) As a part of team for NBA work, Electrical Engg. Dept. not only got accredited but topped among 5 accredited branches in the Institute on 27-29 Sept 2019.
- b) As Associate Dean, PGSR, AKTU conducted successfully Ph.D admission for 2019-20 (Phase-II) in online mode and as Dy. Coordinator for online RM course successfully completed it for the all the registered candidates of the state. Special mention of conduction of successful 90 online final viva voce exams of PhD candidates in the year 2020 for the award of PhD degree in convocation held on 16<sup>th</sup> Jan 2021.
- c) As Organizing Co-chair successfully conducted "International Conference of Contemporary Computing and Applications (IC3A2020)", held on 5-7 Feb 2020. The conference was a grand success for the University with 30 foreign keynote speakers who applauded the team work.
- d) I have adopted a TB patient Ms Yasmeen under the scheme "Nikshay Poshan Yojana" of GOI.
- e) Recorded 4 lectures on Power Electronics for SWAYAM portal which is being aired on DD national during the COVID-19 pandemic to facilitate all the students of University with the completion of syllabus.
- f) In the assessment year, as a supervisor, I have got almost all the papers published in SCI/SCIE/SCOPUS in the field of research.
- g) I have submitted a DST Project in IRRD of amount Rs. 1.10 crore in Mar. 2019 result awaited.

**(i) Research Publications : International/National Journals**

SN	Title with Page No.	Journal	Year of publication
1	"Control and Implementation of Multifunctional Microgrid with Seamless Synchronization Capability"	IET Journal of Energy Conversion and Economics	accepted
2.	"Ultra-Wideband Quadrature LC-VCO using Capacitor-Bank and Backgate Topology with On-Chip Spirally Stacked Inductor in 0.13 $\mu$ m RF-CMOS Process Covering S-C Bands", pp. 1-13.	Microelectronics Journal,	Vol. 99, May 2020.
3.	"Low power LC-voltage controlled oscillator with 140 dBc/Hz @ 1 MHz offset using on-chip inductor design in 0.13 $\mu$ m RF-CMOS process for S-Band application", pp. 32-41.	Circuit World	Vol. 46, No. 1, Nov 2019
4	"Control of Three Phase Two Stage LCL type Grid Interfaced PV Inverter", pp 91-96.	Journal of Electrical and Electronics Engineering,	Vol. 13, No. 2 Oct. 2020.
5	"A Simplified Modeling of Photovoltaic Modules Using MATLAB/Simulink"	Journal of Engineering Technology, ASEE	Vol. 8 SI, April 2019
6	"Comparative Performance Analysis of PMSM Drive Using MPSO and ACO Techniques", pp. 1510-1522.	International Journal of Power Electronics and Drive System(IJPEDS)	Vol. 9, No. 4, December 2018
7	"Speed Control of PMSM Drive using MOGA and BFO Techniques"	Springer Book Series on Advances in Intelligent Systems and Computing Series	2018
8	"Comparative Performance Analysis of PMSM Drive using ANFIS and MPSO Techniques"	Springer Book Series on Communications in Computer and Information Science (CCIS)	2017 ISBN 978-981-10-8657-1
9	"Performance of PV System for Maximum Power Point Tracking", pp.	Asian Power Electronics Journal	Vol. 12, No. 2, Dec 2018
10	"Performance Analysis of Permanent Magnet Synchronous Motor Drive using Particle Swarm Optimization Technique", pp. 19-29	Journal of Energy Technology Research	Vol. 1, No. 2, 2017 ISSN: 2514-4715
11	"Study and Design of Standard PLL with Comparative Analysis between Current Starved VCO and Differential Pair VCO", pp. 611-617	International Journal of Engineering and Technology (IJET)	Vol. 9, N0. 3S, July 2017
12	"Design and Cost Analysis of PV System Using Nano Solar Cell and Cost Comparison with Grid", pp. 63-67	International Journal of Innovative Science and Modern Engineering	Volume-3 Issue-6, 2015 ISSN 2319-6386
13	"Design and Cost Analysis of PV System Using Nano Solar Cell"	International Journal of Scientific and Research Publications	Volume 4, Issue 3, 2014
14	"Modeling and Performance Analysis of Converter", pp.1351-1355	Global Journal of Computer Application and Technology	Vol. 4, Issue 4, 2014
15	"Compare & Analysis of Voltage Stability by using different Toolboxes", pp. 16-20	IPASJ International Journal of Computer Science	Volume 2, Issue 12, 2014
16	"Analysis of Voltage Stability using HOPF Bifurcation in Power System", pp. 131-139	International Journal of Innovation and Scientific Research	Vol. 7, Issue 2, 2014
17	"Vector Controlled Induction Motor Drive using Genetic Algorithm Tuned PI Speed Controller", pp. 11-15	International Journal of Electrical Power Quality and Utilization, Leonardo energy press	Vol. XV, No. 1, 2009 ISSN: 1896-4672
18	"Vector Control of Three Phase Induction Motor using Artificial Intelligent Technique", pp. 57-67	ARNP Journal of Engineering and Applied Sciences	Vol. 4, No. 4, June 2009
19	"An Improved Model of a Three Phase Induction Motor Incorporating Parameter Variations", pp. 73-78	International Journal of Electrical Power Quality and Utilization, Leonardo energy press	Vol. XIV, No. 1, 2008 ISSN: 1896-4672
20	"A New Closed Loop Control Strategy for a Vector Control Three Phase Induction Motor Drive", pp. 67-72	International Journal of Electrical Power Quality and Utilization, Leonardo energy press	Vol. XIV, No. 1, 2008 ISSN: 1896-4672
21	"Design Of PV System Using Nano Solar Cell For Small Power Applications", pp. 945-956	International Journal of Engineering Research and Technology	Vol. 2, No.6, 2013 ISSN: 2278-0181
22	"Analysis of Solar Photovoltaic(SPV) Systems for Residential Application", pp. 6-9	National Journal of The IE(I),	Vol. 87, 2006

**(ii) Books Published/ Reviewed/Edited**

S.N	Number of Chapters contributed to edited Knowledge	Title of the book	Year of Publication	ISBN/ISSN Number	Name of Publisher International/National
1.	Sole author	Speed Controller Design in VFIMDs using Artificial Intelligent Control Algorithms	2016	978-3-659-79266-3	Lambert Academic Publishing

**(ii) Full Papers in Conference Proceedings/Seminar**

S N	Title with page nos.	Details of Conference Publication	Year of publication	ISSN /ISBN No.
1	“Investigation of ANN tuned PI speed controller of a modified DTC induction motor drive” pp 1-6.	Proceedings, IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES- 2014)	Dec 2014	978-1-4799-6372-0
2	“Performance analysis of permanent magnet synchronous motor drive using Particle Swarm Optimization technique”, pp. 280-285.	Proceedings, IEEE International Conference on Emerging Trends in Electrical Electronics & Sustainable Energy Systems (ICETEESES)	Mar 2016	978-1-5090-2118-5
3.	“Comparison of VF controlled wind energy system based on different sensing methods”, pp 1-3.	Proceedings, IEEE International Conference on Emerging Trends in Communication Technologies (ETCT)	Nov 2016	978-1-5090-4505-1
4	“Performance analysis of PMSM drive using Artificial Neural Network technique”, pp. 1-4	Proceedings, IEEE International Conference on Emerging Trends in Communication Technologies (ETCT)	Nov 2016	978-1-5090-4505-1
5	“A high gain low noise amplifier design & comparative analysis with other MOS-topologies for Bluetooth applications at 130nm CMOS”, pp. 378 – 383	Proceedings, IEEE International Conference on Industrial Electronics and Applications Conference (IEACon)	Nov 2016	978-1-5090-0925-1
6	“Performance analysis of PMSM drive using MPSO and MOGA technique”, pp. 197 – 202	Proceedings, IEEE International Conference on Industrial Electronics and Applications Conference (IEACon)	Nov 2016	978-1-5090-0925-1
7	“Speed control of PMSM drive using bacterial foraging optimization”, pp.	Proceedings, 4 <sup>th</sup> IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON)	Oct. 2017	978-1-5386-3004-4
8	“Comparative Performance Analysis of PMSM Drive using ANFIS and MPSO Techniques”	Proceedings, 3 <sup>rd</sup> Springer International Conference on Next Generation Computing Technologies (NGCT-2017)	Oct 2017	1865-0929
9	“Speed Control of PMSM Drive using MOGA and BFO Techniques”	Proceedings, International Conference on Signal Machines and Automation (SIGMA-2018)	Feb 2018	2194-5357
10	“Behavior Analysis of PMSM Drive using ANFIS Based PID Speed Controller”, pp. 1-5	Proceedings, 2018 5 <sup>th</sup> IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	Oct 2018	doi: 10.1109/UPCON.2018.8596845
11	“Performance Analysis of PMSM Drive Using Ant Colony Optimization”, <a href="https://doi.org/10.1109/IECON.2018.8592887">https://doi.org/10.1109/IECON.2018.8592887</a>	Proceedings, 44 <sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society (IECON 2018)	Oct 2018	2577-1647

12	“Sepic DC–DC Converter: Review of Different Voltage Boosting Techniques and Applications”, pp. 733-739	Proceedings, IEEE 2 <sup>nd</sup> International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2020)	Mar 2020	978-1-7281-4167-1
13	“Seamless Control of Renewable Energy System with Grid Connected and Islanded Modes”, <a href="https://doi.org/10.1109/INDICON49873.2020.9342055">https://doi.org/10.1109/INDICON49873.2020.9342055</a>	Proceedings, IEEE 17th India Council International Conference (INDICON 2020)	Dec 2020	2325-9418
14	“Robust Seventh Order Complex Filter Controller for PV-BES System with Seamless Grid Synchronization”, <a href="https://doi.org/10.1109/NPSC49263.2020.9331753">https://doi.org/10.1109/NPSC49263.2020.9331753</a>	Proceedings, IEEE 21st National Power Systems Conference (NPSC-2020)	Dec 2020	978-1-7281-8552-1
15	“MTFOCF Based Control for Grid Connected PV System and Seamless Grid Synchronization”, <a href="https://doi.org/10.1109/ICCCA49541.2020.9250835">https://doi.org/10.1109/ICCCA49541.2020.9250835</a>	Proceedings, IEEE 5th International Conference on Computing Communication and Automation (ICCCA-2020)	Oct 2020	2642-7354
16	“Power Quality Improvement of Grid Connected PV System”, <a href="https://doi.org/10.1109/INDISCON50162.2020.00047">https://doi.org/10.1109/INDISCON50162.2020.00047</a> ”	Proceedings, IEEE India Council International Subsections Conference (INDISCON-2020)	Oct 2020	978-1-7281-8734-1
17	“Control of Grid Tied PV Based System With MTOSSI and AIDMSOGI-QSG-FLL”, <a href="https://doi.org/10.1109/GUCON48875.2020.9231263">https://doi.org/10.1109/GUCON48875.2020.9231263</a>	Proceedings, IEEE International Conference on Computing, Power and Communication Technologies (GUCON-2020)	Oct 2020	978-1-7281-5070-3
18	“A Novel Approach to Minimize Torque Ripples in DTC Induction Motor Drive”, pp 1-6.	Proceedings, IEEE International Conference on Power, Control and Embedded Systems (ICPCES 2010)	Nov./Dec. 2010	978-1-4244-8543-7
19	“Electro kinetics- A developing In-situ Pollution remediation Technology”	National Workshop on Sustainable Pollution Control, IET Lucknow	Dec 2005	
20	“ Carbon Dioxide Mitigation Through Carbon Tax in Power Sector”, pp. 41-44	Proceedings of Workshop on Environmental Pollution: Perspectives and Practices, IET Lucknow	Apr 2004	
21	“ Determination of Voltage Control Area for Localized Reactive Power Management”	Proceedings of National Conference on Emerging Trends in Electrical & Electronics Engineering ( NCETEEE 2016), IET Lucknow	19-20 Aug 2016	
22	“Advancement in Fuel cell System for Generation of Electrical Energy “	Proceedings of National Conference on Emerging Trends in Electrical & Electronics Engineering ( NCETEEE 2016), IET Lucknow	19-20 Aug 2016	
23	“Performance Indices of 3-phase Induction Motor by using Different conduction of Inverter using PV system.”	Proceedings of National Conference on Emerging Trends in Electrical & Electronics Engineering ( NCETEEE 2016), IET Lucknow	19-20 Aug 2016	

(iii) **Ph.D. / M.E. Thesis Guided** : 6 PhD registered (2 awarded, 1 submitted)  
2 M.Tech registered (7 awarded)

(iv) **Membership of Professional Bodies** : 1. SM-IEEE (Membership No. : 80502979),  
2. AMIE- IE (India) (Membership No. : G-534864-2)  
3. Life Member, ISTE

**(v) Credentials : Important/Distinctive/Innovative contribution(s) made in the present employment**

- (a) As Deputy Controller of Examination, UPTU and IET, successfully conducted even semester exam 2014-15 and special carry over exam 2014-15 of UPTU, PG odd Sem Exam 2014-15.
- (b) Being Hostel Warden I have been trying relentlessly to make institute hostel a world class level of accommodation so that the inmates and their parent feel proud in sending their ward to the institute.
- (c) As Deputy Library In-charge of Central Library of the Institute, successfully carried out Automation work of Library.
- (d) Lab set up: Power electronics Lab, Electric Drives Lab, Microprocessor Lab.
- (e) Actively and successfully carried out assignments during accreditation of the department twice.
- (f) Updating syllabus of both UG and PG courses keeping in mind recent advancement as member board of studies of the department. Carrying out paper setting, moderation work since 12 years.
- (g) Dy Head examiner in UPTU external exams.
- (h) Member inspection committee for colleges to be affiliated to UPTU.
- (i) As Coordinator successfully conducted Skill Test for Diploma Trainees of NTPC NRHQ, in June 2016.
- (j) Coordinator of Faculty Development Programme on “Smart Grid Technologies” on 16-17 Feb 2018.
- (k) Asso. Dean PG Studies & Research, Dr A P J Abdul Kalam Technical University, Lucknow since 6<sup>th</sup> Dec 2018.

**I (i) Training courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes**

SN	Programme	Duration	Organized by
1	DC Microgrid	29 July-29 Sept 2019-8 weeks	NPTEL-AICTE, Ministry of HRD Govt. of India MOOCS Course NPTEL
2	Electrical Distribution System Analysis	July – December, 2020 8 weeks	NPTEL-AICTE, Ministry of HRD Govt. of India MOOCS Course NPTEL
3	5 days Workshop on “Artificial Intelligence: Machine Learning and Deep Learning”	1 week from 29 June to 3 Jul 2020	Centre for Advanced Studies, AKTU LKO
4	1 week training Program on “Typhoon HIL’s Hardware-in-Loop Simulation Technology in Electrical Engineering”	1 week from 9-13 Jan 2020	Institute of Entrepreneurship Development UP, Lucknow
5	Short Term Training Program on “Smart Grid and Automation”	1 week FDP from 27-31 July 2019	EED, IET Lucknow under Joint AKTU-AICTE
6	7 days Skill Development Bioinformatics Workshop on “Machine Learning Application in Biological Data Analysis: Linear Regression & K-Means Clustering”	1 week from 15-21 Oct 2019	CSIR-CIMAP, LKO
7	FDP on “Soft Computing Approaches and its Applications (SCAA-18)”	1 week from 12-16 Mar 2018	IET LKO
8	FDP on “Advances in Nanotechnology & their Opto-Electronic, Photovoltaic Applications”	1 week from 25-30 Jun 2018	CIPET, LKO
9	Summer Course Workshop on “Active Learning, Autonomy, Academic governance and R&D”	1 week from 2-6 Jul 2018	IIT Roorkee under TEQIP-III
10	FDP on “Advances in Nanotechnology and Their Opto-Electronic, Photovoltaic Applications”	1 week from 25-30 June 2018	CIPET, LKO under TEQIP-III
11	FDP on “Soft Computing Approaches and its Applications (SCAA-18)”	1 week from 12-16 Mar 2018	CSD, IET LKO under TEQIP-III
12	FDP on “ Internet of Things”	1 week from 6-10 Mar 2017	IET, LKO under TEQIP-II

13	ISTE STTP on “Electric Power System”	2 weeks from 12.06.2017- 15.07.2017	IIT, Kharagpur
14	FDP on “ Recent Advances in Renewable Energy Technologies and Smart Micro-grids”	1 week from 13-17 Sep 2016	KNIT Sultanpur under TEQIP-II
15	Short term training in “Modernization in Railway Electrification Systems”	2 weeks from 03-17 Jan 2014	IRCON International Ltd, Kanpur Rd, Lucknow
16	Short term training in “Erection of Electrical Equipments & Panel Boards in Water Works”	2 weeks from 12- 28 Dec 2013	UP Jal Nigam, Gomti Nagar, Lucknow
17	Short term training in “Installation of Electrical Equipments & Panel Boards in Power Substation and Sewage Pumping Station”	1 week from 28-10-13 to 02-11-13	UP Jal Nigam, River bank Colony, Lucknow

**(iii) Completed Sponsored Projects/Consultancies**

S. N..	Title	Agency	Period With Dates	Grant/Amount Mobilized (Rs. Lakh)
1.	Skill Test of Diploma Trainees	NTPC, NRHQ, LKO	3-6 June 2016	1.85 lacs
2.	FDP on Green technologies and sustainability Engineering	AICTE under ATAL scheme	15-19 Dec 2020	0.93 lac
3.	Consultancy project completed as Co-PI for vetting of Design / Drawing Report for Phase wiring under EPC mode at Lucknow Smart City Ltd, Lucknow.	GGCSC/Lucknow Smart City Ltd, Lucknow.	Completed Feb - Mar 2020	- Project Cost Rs. 12.5 crores - Amount Mobilized Rs. 2.35 lacs
4.	Testing of Materials used in Multilevel Parking and 3 Advocate Chambers in the Premise of New High Court, Lucknow	UP Rajkiya Nirman Nigam, Lucknow	Letter no. 393/P.Pra (Electrical)/HCEU/Th.Pa.Q.C.I/RNN/2020 dtd 17.9.2020	In process
2.	"Implementation of Novel Speed Control & Efficient Modulation Schemes using AI Techniques in Variable Frequency Drives (VFD) for Industrial Applications to Obtain Jerk-Free and Non Vibrant Operation."	IRRD, DST	Submitted in March 2019 (Result Awaited)	1.09 crores

**(vi) Papers presented in Conferences, Seminars, Workshops, Symposia**

Sl. No	Invited Lectures on Conference/Symposia/Workshop/Seminar	Title of Conference/Symposia/Workshop/Seminar	Date with Year	Organized by
1.	Organizing Co-Chair	IEEE International Conference on Contemporary Applications IC3A 2020	5-7 Feb 2020	AKTU, LKO under TEQIP-III
2.	Organizing Committee Member	International Conference of Defence and Space Technologies ICDST 2019	23-25 Aug 2019	IET, LKO
3	Expert Lecture	Seminar on "Machine Learning with Applications to Security"	7 Apr 2019	Institution of Engineers (India), Lucknow
1	Invited Lecture & Session chair	National Conference on "Recent Trends in Electrical, Electronics and Communication Engineering"	24.02.2019	BIET, Jhansi
2	Session chair	1st International Conference on "Emerging Trends in Technology and Applications (ICETTA-19)"	1-2 Feb 2019	REC Kannauj
3	Session chair	5th "IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)"	2- 4 Nov 2018	MMMUT Gorakhpur
3.	Special Lecture	Application of Power Electric Drives	17.04.2018	BBD University, Lucknow
4.	Expert Talk	"Application of AI techniques to Speed Controller Design for VFDs in PS"	06.04.2018	'KNIT, Sultanpur
5.	'Guest lecture	"HVDC Transmission: A Modern Scenario"	10.04.2018	SRM University, Lucknow
6.	Keynote Speaker	Faculty Development Program on Matlab and its Applications in Engineering	14-18 Jan 2016	Azad Technical Campus
7	Session chair	National Conference on "Emerging Trends in Electrical & Electronics Engineering (NCETEEE 2016)"	20.08.2016	IET, Lucknow
8.	Expert Lecture	1 Week FDP on MATLAB	1-7 Feb 2016	Dept of Electronics & Communication Engg., Integral University and CETPA, Lucknow
9.	Application of MATLAB in Electrical Engineering	Advances in Electrical Engineering	25.04.15	Electrical Engineering Department of IET, Lucknow along with TEQIP-II, IET, Lucknow
10.	Technical Lecture on MATLAB	National Level Seminar on MATLAB	16.09.15	Dept of Electronics & Communication Engg., Integral University and E Brains, Lucknow
11.	Expert Lecture	National Level Workshop on Embedded System & Robotics	22.09.2015	Dept of Electronics & Communication Engg., Integral University, Lucknow and I 3 India, Noida

12	Special Lecture	3 <sup>rd</sup> National Conference on Challenges & Opportunities for Technological Innovation in India (COTII-2015)	14.02.2015	Ambalika Institute of Management & Technology, Lucknow
13	Keynote Speaker	National conference on "Recent Innovations in Engineering & Technology"	06.11.2015	SRMCET, Unnao
14.	Special Lecture	Electric Drives: Basic Concept and their Control	02.02.15	BBDNIIT, Lucknow
15	Expert Lecture as Special Invitee	National Level One Day Workshop on An Introduction to MATLAB and its utility in Research	11.12.2014	Dept of Electrical Engg., Azad Institute of Engg. & Technology, Azad Technical Campus, Lucknow
16	Expert Lecture as Special Invitee	National Level One Day Workshop on Power System Restructuring	13.09.2014	Dept of Electrical Engg., Azad Institute of Engg. & Technology, Azad Technical Campus, Lucknow
17	Expert Lecture	Prospects of Power Converters in Industrial Applications	21.07.2014	BBDNIIT, Lucknow
18	Motivational talk as special invitee on "Network Security Fundamentals"	Three day National Workshop on "Network and information Security: Emerging Challenges and Practices"	5-8 Dec.2013	Ansal Technical Campus, Lucknow

(Arunima Dey)