

## CURRICULUM VITAE



**Name** : Dr. Archana Singh

**Date of Birth** : 01-01-78

**Present Post and Pay band:** Professor: 37400-67000+10000A.G.P.(As on dt.10/04/2020)

**Phone no & Mail-id** : +91-7081300642 , [asingh@hbtu.ac.in](mailto:asingh@hbtu.ac.in)

**Academic Qualification** :

Examination	Institute	Board/ University	Subject(s)/ Specialization	Division/ Percentage	Year
High School	K.U.G.H. School, Kanpur	U.P. Board, Kanpur	Science Group	77%	1992
Intermediate	St. Anthony Girls Inter College, Allahabad	U.P. Board, Allahabad	Science Group	70.8%	1994
B.E.	M.N.N.I.T., Allahabad	Allahabad University	Electrical Engg.	80.3%	2000
Ph.D.	U.P.T.U., Lucknow	A.K.T.U., Lucknow	Power System Restructuring		2015

**Employment details** :

Name of Employer	Date of Joining	Date of leaving	Position & Scale	Nature of duties
Tata Technologies(India)Ltd., Pune	30-06-2000	08-04-2003	System Software Developer	Software development
HBTU, Kanpur	10-04-2003	09-04-2017	Assistant Professor	Academic
HBTU, Kanpur	10-04-2017	09-04-2020	Associate Professor	Academic
HBTU, Kanpur	10-04-2020	working	Professor	Academic

## **Publications: Dr. Archana Singh, Professor, Electrical Engg., H.B.T.U., Kanpur**

### **International Journals:**

1. **Archana Singh**, P. K. Kalra, D. S. Chauhan, "A Novel Procurement Market Model Approach of Reactive Power in Deregulated Electricity Market", International Journal of Recent Trends in Engineering, Academy Publisher, Finland, vol. 2, no.1, pg362-366, Nov. 2009. (ISSN : 1797-9617, Indexed Journal)
2. **Archana Singh**, D. S. Chauhan, K.G.Upadhyay, "Design of Reactive Power Procurement Model in deregulated Electricity Market" ,International Journal of Engineering ,Science & Technology ,vol.3,no.1,pg-107-119,Nov-2011. (ISSN : 2142-2839, Online, 2141-2820 Print, Pear reviewed indexed)
3. **Archana Singh**, Prof. D.S. Chauhan, "Electricity Sector Restructuring Experience of Different Countries", International Journal of Scientific and Engineering Research,(IJSER), vol. 2, no.4, March, 2011. (ISSN : 2229-5518, indexed)
4. **Archana Singh**, Prof. D.S.Chauhan," Effect of Reactive Power Valuation of generators in deregulated electricity market", International journal of Electrical engineering and Technology,vol3.,no1,January-2012. (ISSN : print-0976-6545, ISSN Online 0976-6553 Pear reviewed indexed)
5. **Archana Singh**, P.K. Kalra, D.S. Chauhan, K.G. Upadhyay, "Effect of Power Exchange in India: An Overview and Key issues", Journal of Institution of Engineers (India):Series B,vol.94,issue 3,pp207-214,September-2013. (ISSN : 2250-2130{ET Version} Pear reviewed indexed)
6. **Archana Singh**, K.G. Upadhyay "Impact of Electricity Trading through Power Exchange of India", International Journal of Recent Technology and Engineering, vol. 5 no. 5, Nov. 2016 (ISSN : 2277-3878 {online})
7. Preeti Singh, **Archana Singh**, Ankit Srivastava, "Review and utility of various Facts Devices in Transmission System", International Journal of Current Research, vol. 9, Issue 5, pg49836-49841, May - 2017. (ISSN : 0975-833X, Impact Factor : 7.617)
8. L.P.Singh, **Archana Singh**, "Solar Energy Harvesting System", International Journal of Advanced Engineering Science and Technology Research(IJAESTR),vol.6,Issue-1(January-MARCH2020),pp:11-14,2020.(ISSN:2394-9627,online)
9. Utkarsh Shukla, **Archana Singh**, Neeraj Singhal, "Congestion control analysis of optical packet switch for optical data center applications", Journal of Optical Communications,September,2023.(<http://doi.org/10.1515/joc-2023-0236>)

### **International & National Conferences :**

1. **Archana Singh**, P. K. Kalra, D. S. Chauhan, "New Approach of Procurement Market Model for Reactive Power in Deregulated Electricity Market", presented in Third International Conference on Power System (ICPS-09) at IIT, Kharagpur, Dec 27-29, 2009.
2. **Archana Singh**, M. Shukla, "A Procurement Market Model for Reactive Power in the Electricity Sector", Proceedings of National Seminar -NCERU'09, KNIT Sultanpur, feb27-28, 2009.
3. **Archana Singh**, K.G.Upadhyay, "Electricity sector reform with recent inclusion of Power Exchange in India",Proceeding of National Seminar(EPTMITA) -,MMMTU,Gorakhpur,September23-24,2016.
4. Devendra K. Pandey, **Archana Singh**, "Improved Performance of the switched Inductor Quasi Z Source", Proceeding of International Conference ICIIS-2016 at IIT Roorkee, 3-4 Dec. 2016
5. Anjani Kumar, **Archana Singh** ,Vimlesh Patel, S.Shukla, R.K.Shukla, "Structural and Dielectric analysis of Aluminium Nitride Nano-crystalline Materials", Proceeding of International Conference,27-29March,2017,HBTU,Kanpur.
6. A. Srivastava, **Archana Singh**, S.K.Suman and P singh,"Analysis of Grid connected Hybrid PV/Wind Renewable Power Generation System,"2018 ,5th IEEE U.P. Section International Conference on Electrical,Electronic and Computer Engg(UPCON),Gorakhpur,India,2018,p.p.1-5,doi:10.1109/UPCON-2018.8597130.

**Book Publication:**

- 'Electrical Engg. Materials' as coauthor with Tata McGraw Hill Education Private Ltd. in 2012 with ISBN no.978-1-25-900620-3

**Paper Review:**

- Reviewed papers of International Journal of Engineering Science & Technology (IJEST) and International journal of Engineering Technology and Policy (IJETP) and of International conferences.

**Member of Editorial Board**

- International Journal of Community Science and Technology(IJCST) of www.jjss.co.in .

**Societies-Membership:**

- Life time member of Indian Society for Technical Education (ISTE) .(LM 63518)
- Associate member of Institution of Engineers(IE).(097630-2)
- Member of IEEE.(99208041)

**Teaching Experience:**

- Taught subjects at U.G. level eg. Electrical Engg., Basic System Analysis, Network Analysis & Synthesis, Electrical & Electronic Engg. Materials, Control System, EHVAC&DC, Electric Energy Conservation and Audit etc.

**Technical presentation/coordination:**

1. Delivered expert lecture in “Recent Advances in Electrical Engg.(RAEE) during 3-8June,2013 in H.B.T.I., Kanpur titled topic as "Power System Restructuring with recent inclusion of Power Exchange in India".
2. Worked as Joint Controller in “Recent Advances in Electrical Engg.(RAEE) during 3-8June,2013 in H.B.T.I., Kanpur.
3. Worked as organizing committee member in 2days workshop on “Matlab Programming” held during 5-6 April, 2014 in H.B.T.I., Kanpur.
4. Worked as organizing committee member in National seminar on “Advances in Power Electronics and Control” on 16August, 2013.
5. Worked as org. committee member in two days workshop on "Matlab Programming and its applications"(TEQIP sponsored),Feb25-26,2015 organized by EE, HBTI, Kanpur.
6. Worked as org. committee member in "Simulation Techniques of Power Electronics Converters(STPEC)" held during Feb27-March04,2017.
7. Worked as activity coordinator in Induction Program from 15-21Jan'18 for students learning improvement under TEQIP-III with Prof. Rachna Asthana coordinator & Prof. R. N. Tripathi, Mentor, Math Deptt..

**Short Term Courses attended:** more than 25

**Link for association:**

Home Page for profile at HBTU , kanpur	<a href="https://hbtu.ac.in/facultyprofile/readWriteData/FacultyCV/636163726227927709.pdf">https://hbtu.ac.in/facultyprofile/readWriteData/FacultyCV/636163726227927709.pdf</a>
Google Scholar profile of the editor	<a href="https://scholar.google.com/citations?user=vvajyWYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=vvajyWYAAAAJ&amp;hl=en</a>
Profile-id for Vidwan designation	<a href="https://vidwan.inflibnet.ac.in//profile/141538">https://vidwan.inflibnet.ac.in//profile/141538</a>

### **Administrative /Academic Development/Extra-curricular activities:**

1. Worked as Hostel warden from 2003 to 2018.
2. Worked as acting head of deptt. as assigned by competent authority .
3. Worked as member of Proctorial Board for more than two years in HBTI, Kanpur.
4. Worked as committee member in various committees in Sports meet yearly.
5. Worked as member of Department Purchase committee in EED for more than 8years.
6. Worked as Assistant Superintendent in Exam cell at HBTI, Kanpur for two years.
7. Worked as committee member in anti-ragging committee yearly.
8. Worked as member of Board of Studies at HBTI, Kanpur and IET, Lucknow.
9. Worked as paper setter for the courses taught at H.B.T.I. and other Universities.
10. Worked as External practical examiner in various colleges.
11. Worked as member of Photography Club.
12. Worked as Judge of various Students' cultural activities.
13. Working as Sectary of USAC HBTU Since 26-08-2017 till 07/10/16
14. Worked as Yoga Conveners Since 24/10/16 to 2022.
15. Worked as Time Table deputy Coordinators along with Prof. Ram Avtar, Math deptt. with letter no. 408/HBTU/adm/OTTSC/18 dt 13 July 2018
16. Worked in pre Screening of application of A.P. with letter no 328/vi.a. /2018 on 20/04/2018
17. Worked as committee member for Ph.D. Candidate Selection along with Prof. Sunil kr., Prof. Y. Singh and Dr. A.K. Shankhwar with letter no. 239 (UI)/adm/2018 dt 14 July 2018.
18. Worked as committee member for Ph.D. Candidate Selection along with Prof. Y. Singh ,Dr. A.K. Shankhwar and Prof. Sunil Kumar as Chairman with letter no.306(UII)/acad./2019 dt12July,2019.
19. Reviewed one paper and got certificate for session chair of Paper presentation in International Conference on Defense and Space Technologies,ICDST-19 at IET Lucknow during 23-25Aug,2019.
20. Worked as committee member in Fresher function and Foundation day on 1Sep'19.
21. Worked as committee member of Women Study Centre since June'2021 to Oct'2023
22. Worked as committee member for Convocation held in Oct'2022.
23. Worked as convener of physical verification committee in May'22.
24. Worked as NAAC committee member (criteria-wise) in 2022.
25. Organized expert talk for students and faculties in Sep,22.
26. Worked as committee member in academic audit of EED in 2022.
27. Worked as Department Moderation Committee member for odd and even semester of 2021-22.
28. Worked as anti ragging committee member in 2022.
29. Worked as committee member for PhD entrance interview session -2022,23,24.
30. Worked as committee member in USAC activities in June'22.
31. Received Ideal Teacher honour from D.M.-Mr.Vishakh Ayyer on dt 05/09/23 organized by State Employee's Joint Council, U.P. at Atal auditorium, KDA, Kanpur.
32. Working as Presiding officer of Internal Complaint Committee(ICC) and President of Women Study Centre(WSC) since Nov'23.

Dr. Archana Singh  
Professor  
Electrical Engineering,  
H.B.T.U, Kanpur