

## Curriculum Vitae

**Deo Chandra Jaiswal, Ph.D.**

🏠 Guest Faculty

Electronics Engineering Department

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### EMPLOYMENT DETAILS

- 05/08/2023 - Till date ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 31/08/2021–03/08/2023 ■ **Assistant Professor (Contractual Faculty)**, Electronics and Communication Engineering Department, I. E. T. Lucknow.
- 01/09/2020–31/07/2021 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 08/06/2020–14/08/2020 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 18/07/2020–31/05/2021 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 03/01/2019–31/05/2019 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 23/07/2018–03/11/2018 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 24/05/2014–23/05/2018 ■ **Ph.D. (Teacher Fellow)**, Electronics Engineering Department, HBTU Kanpur.
- 28/07/2013–23/05/2014 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.
- 06/08/2012–31/05/2013 ■ **Guest Faculty**, Electronics Engineering Department, HBTU Kanpur.

### EDUCATION

EXAMINATION	YEAR OF PASSING	INSTITUTE	BOARD / UNIVERSITY	PERCENTAGE
Ph.D.	2020	H.B.T.I. Kanpur	A.K.T.U. Lucknow	Awarded
M.Tech.	2012	H.B.T.I. Kanpur	G.B.T.U. Lucknow	77.00%
B.Tech.	2010	H.B.T.I. Kanpur	G.B.T.U. Lucknow	69.06%

## Ph.D. THESIS

2014 – 2020 ■ **Ph. D., HBTI Kanpur:** Electronics Engineering

- Thesis Title: Quality Enhancement of p-Cycle Protection with Monitoring Cycles, Bandwidth Squeezed Restoration and Minimized Power in New Optical Networking Paradigms.
- Major Research Area: Power Optimization in Optical Networks
- Date of Award of degree: October 2020.

## M.TECH. THESIS

2010 – 2012 ■ **M. Tech., HBTI Kanpur:** Electronics & Communication Engineering

- Thesis Title: Anycast Protection in Optical Networks using p-Cycles.
- Research Area: Protection and Restoration in Optical Networks.

## AREA OF INTEREST

- Digital Communication
- Optical Communication

## SOFTWARE KNOWN

- Programming Languages: C, OPL, MATLAB
- Application Softwares: Proteus, AIM Spice, Active HDL

## RESEARCH PUBLICATIONS

### International Journal

1. S. K. Sriwas, **Deo Chandra Jaiswal**, and Mahendra Kumar. "Long Distance Transmission in Optical-IDMA System." SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, Vol 15, No. 01, pp. 83-85, 2023 (a UGC-CARE Journal).
2. **Deo Chandra Jaiswal** and Rachna Asthana "Dynamic Path Routing with Maximum Allowable p-Cycle Length and with m-Cycle in Optical Mesh Networks" Journal of The Institution of Engineers (India): Series B, Vol 100, No. 5, pp. 417-423, 2019 (a SCOPUS indexed Journal).
3. **Deo Chandra Jaiswal** and Rachna Asthana "Quality Enhancement with Maximum Allowable p-Cycle Length and with m-Cycle in Optical Mesh Networks" International Journal of Engineering & Technology, Vol 7, No. 4.41, pp.174-178, Dec. 2018 (a SCOPUS indexed Journal).
4. **Deo Chandra Jaiswal** and Rachna Asthana "Power Efficiency with Optimized Power Routing and Dedicated Path Protection in Elastic Optical Networks" International Journal of Engineering & Technology, Vol 7, No. 4.41, pp. 31-35, Dec. 2018 (a SCOPUS indexed Journal).
5. Prerana, Anjali Sharma, **Deo Chandra Jaiswal** and Rachna Asthana "Power Efficiency in Optical Networks with p-Cycle Protection" International Journal of Control Theory and Applications, Vol 10, No 6, pp. 557-585, 2017 (IJCTA, ISSN: 0974-5572, a SCOPUS indexed Journal).

## International Conferences

1. **Deo Chandra Jaiswal** and Rachna Asthana “ $p$ -Cycles as their own  $m$ -Cycles for Fault Detection and Localization in Elastic Optical Networks” International Conference on VLSI, Communication and Signal Processing (Springer), MNNIT Allahabad, India, 29 Nov.-1 Dec 2018, pp. 181-188.

2. **Deo Chandra Jaiswal** and Rachna Asthana “Power-Efficient  $p$ -Cycle Protection with Power Conscious Routing in Elastic Optical Networks” International Conference on Current Trends towards Converging Technologies (IEEE), Coimbatore, Tamil Nadu, India, 1-3 March 2018, pp. 1-6.

3. **Deo Chandra Jaiswal** and Rachna Asthana “Bandwidth Squeezed Restoration using  $p$ -Cycle together with Minimum Power Consumption in Elastic Optical Networks” International Conference on Current Trends towards Converging Technologies (IEEE), Coimbatore, Tamil Nadu, India, 1-3 March 2018, pp. 1-6.

## PARTICIPATION IN SHORT TERM COURSES / FACULTY DEVELOPMENT PROGRAMES

S.No.	Programme	Duration with dates	Organized by
1.	Advances in Wireless and Optical Networks (AWON-2019)	27 May to 1 June 2019	M.N.N.I.T. Allahabad
2.	FDP on Modelling and Simulations of Custom Power Devices for Power Quality Improvement	19 November to 23 November 2018	M. N. I. T. Jaipur
3.	STC/FDP on Communication Networks: A Research Perspective	27 February to 04 March 2017	H. B. T. U. Kanpur
4.	FDP on Advance Course on Antennas Microwaves	30 January to 04 February 2017	H. B. T. U. Kanpur

## DECLARATION

I hereby declare that above information is correct to the best of my knowledge and belief.

Date:

Place: Kanpur

**Deo Chandra Jaiswal**