Curriculum Vitae

Bhupendra Kumar Pathak, Ph.D.

Asst. Prof. (Senior Grade), Department of Mathematics,
Japyee University of Information Technology, Waknaghat, Solan,
Himachal Pradesh, India.
Contact Number: +91-9816181519
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Research Interests:

Evolutionary Computation Methods, Soft Computing Techniques, Applied Optimization.

Teaching Interests:

Applied Mathematics for Engineers, Probability Theory and Random Process, Statistics, Numerical Methods.

Qualifications (Chronological order year wise):

S.No	Exam	Board/ Univ.	Year of Passing	Specialized Subject(s)
1.	M.A. (Mathematics)	Dr. BRA University, Agra, India.	2009	Mathematics
2.	Ph.D (Project Scheduling Using Meta-Heuristics)	DEI, Dayalbagh, Agra, India.	2007	Operation Research
3.	PGDCSA	DEI, Dayalbagh, Agra, India.	2003	Computer science
4.	Master of Statistics	Dr. BRA University, Agra, India.	2001	Statistics
5.	B.Sc.	Dr. BRA University, Agra, India.	1999	Phy, Stat, Maths

Working and Research Experience

Post PhD Experience:

- Working as an Assistant Professor (Sr. Grade) in mathematics department at **JAYPEE University of Information Technology**, Waknaghat, Solan, Himachal Pradesh, India, since **01-Sept-2020 to till date.**

- Worked as an Assistant Professor (Sr. Grade) and Head of mathematics department at **JAYPEE University**, Anoopshahr, Bulandshahr, Uttar Pradesh, India, since **21-July-2014 to 31-Aug-2020.**

- Worked as an Assistant Professor (Sr. Grade) at **JAYPEE University of Information Technology**, Waknaghat, Solan, Himachal Pradesh, India from **01-August-2013 to 20-July-2014**

- Worked as an Assistant Professor (Grade-II) at **JAYPEE University of Information Technology**, Waknaghat, Solan, Himachal Pradesh, India from **24-June-2011 to 31-July-2013.**

- Worked as an Assistant Professor (Sr. Scale) at **ITM University**, Gurgaon, India from **20-July-2009 to 21-June 2011.**

- Worked as a Lecturer at the **ASET**, AMITY University, Noida, Uttar Pradesh, India from **4-Jan 2008 to 19-July 2009.**
- Worked as a Guest Lecturer at Faculty of Engineering and Technology, **R.B.S. College**, Agra, Uttar Pradesh, India from **01-Sept. 2007 to 31-Dec. 2007.**

Pre PhD Experience:

- Worked as a Guest Lecturer in the Department of Mathematics and Statistics, **R.B.S. Degree College**, Agra, India from **2003 to Aug. 2007 (4 Years).**
- Worked as a Lecturer at **Agra Institute of Engineering and Technology**, Agra, India from **July 2001 to May 2002 (1 Year).**
- Research experience from March **2004 to August 2007**.

Professional Membership:

1. Member of Technical Program Committee of "IEEE International Conference on Signal Processing, Computing and Control (2013 IEEE ISPCC)".
2. Member of organizing committee of "2nd International Conference on Eco-friendly Computing and Communication Systems (ICECCS)".
3. Reviewer of "IEEE Transactions on Engineering Management".
4. Member of Organizing Committee of "National conference on performance evaluation of big data (PEBD-2019)".

Administrative and Extra Curricular Activities:

1. Chairman of Jaypee Youth Club (JYC) from July-2014 to Aug-2020. This club is a sole student body which is responsible for organizing and managing their own events such as technical fest, fresher's party, cultural fest, musical nights and university sports tournaments.
2. Member of board of studies.
3. Member of Anti-Ragging committee from July-2014 to 31-Aug-2020.
4. Worked as a Tutorial Associate in the Advanced Training Schools in Mathematics, supported by National Board of Higher Mathematics (NBHM) for Instructional School for Lecturers on Differential Equations and Computing, June 3-15, 2013 at Department of Mathematics, JUIT, Waknaghat, Solan, H.P., India.

List of Publications:

1. Eti Goel, **Bhupendra Kumar Pathak**, "Impact of various linguistic factors on the academic performance of the students", International Journal of Research in Advent Technology, 135-138, **2019**.

2. Neel Kanth**, Bhupendra Kumar Pathak, "**Artificial Neural Network for Modeling the Uniform Load on Nip Width of Machine Calendering**",** Journal of Information and Optimization Sciences, Vol. 37:6, 861-871, **2016** (Taylor & Francis). [**ESCI**]

3. **Bhupendra Kumar Pathak,** Sanjay Srivastava, "Effects of Project Uncertainties on Nonlinear Time-Cost Tradeoff Profile", Iranian Journal of Fuzzy Systems, Vol. 12, No. 4, pp. 79-100, **2015**. **[IF: 1.27]**

4. Neesha Singh, Gunjan Goel, Niharika Singh, **Bhupendra Kumar Pathak**, Deepti Kaushik, "Modeling the red pigment production by Monascus purpureus MTCC 369 by Artificial Neural Network", Food Bioscience, pp. 17-22, **2015** (Elsevier). **[IF: 2.371]**

5. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "Integrated Fuzzy-HMH for Project Uncertainties in Time-Cost Tradeoff Problem", Applied Soft Computing Journal, Vol. 21, pp. 320-329, **2014** (Elsevier). **[IF: 3.907]**

6. Praharshit Sharma, **Bhupendra Kumar Pathak**, Tiratha Raj Singh, " A mathematical model of central dogma of molecular biology employing a novel irrational-integral-imaginary (i3) encoding based on Outer-Totalistic Cellular Automaton", International Journal for Computational Biology, Vol. 3, No. 1, pp. 40-43, **2014**.

7. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "Integrated ANN-HMH Approach for Nonlinear Time-Cost Tradeoff Problem", International Journal of Computational Intelligence Systems, pp. 1-16, **2014** (Taylor & Francis). **[IF: 2.00]**

8. Vikash Agarwal, Rajeev Kumar Upadhyay, **Bhupendra Kumar Pathak**, "A State of Art Review on Time-Cost Tradeoff Problems in Project Scheduling", International Journal of Application or Innovation in Engineering & Management, Vol. 2, Issue 5, pp. 37-44, **2013**. **[IF: 2.379]**

9. Lavkush Sharma, **Bhupendra Kumar Pathak** , Nidhi Sharma, "Breaking of Simplified Data Encryption Standard Using Binary Particle Swarm Optimization", International Journal of Computer Science Issues, Vol. 9, Issue 3, No 1, pp. 307-313, May **2012**. **[IF: 0.242]**

10. Lavkush Sharma, **Bhupendra Kumar Pathak** , Ramgopal Sharma, "Breaking of Simplified Data Encryption Standard Using Genetic Algorithm", Global Journal of Computer Science and Technology, Vol. XII, Issue V, Version I, pp.55-59, March **2012**.

11. **Bhupendra Kumar Pathak**, Sanjay Srivastava, Kamal Srivastava, "Neural Network Embedded Multiobjective Genetic Algorithm to Solve Non-Linear Time-Cost Tradeoff Problems of Project Scheduling", Journal of Scientific & Industrial Research, Vol. 67/2, pp. 124-131, **2008**. **[IF: 0.505]**

12. **Bhupendra Kumar Pathak**, Sanjay Srivastava, Kamal Srivastava, "Multimode Resource-Constrained Project Scheduling System for Time-Cost Tradeoff with Heuristic Embedded Multiobjective GA.", Journal of Systems Science & Engineering, Vol. 15/2, pp. 72-79, **2007**.

13. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "An Intelligent approach for resource-constrained nonlinear multi-objective time-cost tradeoff", DEI Journal of Scientific and Engineering Research, Vol. 14/No 1 & 2, pp. 153-165, **2008**.

International Proceedings:

1. Eti Goel, **Bhupendra Kumar Pathak,** "Fuzzy inference system for analyzing the impact of various factors on the academic performance of students", International conference on recent trends in mathematical modeling-2019, Manglaytan University, Aligarh, March 05-06, 2019.

2. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "MOGA based time-cost tradeoffs: responsiveness for project uncertainties", IEEE Congress on Evolutionary Computation, Singapore, Sep 25-28, pp. 3085-3092, **2007**.

3. **Bhupendra Kumar Pathak**, Harish Kumar Singh, Sanjay Srivastava, "Multi-resource-constrained discrete time-cost tradeoff with MOGA based hybrid method", IEEE Congress on Evolutionary Computation, Singapore, Sep 25-28, pp. 4425-4432, **2007**.

4. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "Sensitivity Analysis of Time-Cost Tradeoff Profiles using an Integrated Fuzzy-GA Approach", Proc. of International Conf. on Global Manuf. & Innovation, CIT, Coimbatore; University of Massachusetts-Dartmouth, USA, July 27-29, **2006**, pp. OR-36/1 - OR-36/8.

National Proceedings:

1. Eti Goel, **Bhupendra Kumar Pathak**, "Impact of various linguistic factors on the Academic Performance of the students", National conference on performance evaluation of big data-2019, Jaypee university, anoopshahr, March 02-03, 2019.

2. **Bhupendra Kumar Pathak**, Sanjay Srivastava, "An Integrated ANN-GA Approach to Solve Non-linear Time-Cost Tradeoff Problem in Project Scheduling", Proc. of National Conf. on Diff. Geometry & Topology in the Perspective of Modern Trends, DEI, Agra, Feb 18-19, pp. 29-29, **2006**.

Research Edited Book:

1. Sanjay Srivastava**, Bhupendra Kumar Pathak**, Kamal Srivastava, "Project Scheduling: Time-Cost Tradeoff Problems", Computational Intelligence in Optimization ([Adaptation, Learning, and Optimization](#)), Vol. 7, pp. 325-357, **2010**, Y. Tenne and C.-K. Goh(Ed.), Springer-Verlag.

2. Kamal Srivastava, Sanjay Srivastava, **Bhupendra Kumar Pathak**, Kalyanmoy Deb, "Discrete Time-Cost Tradeoff with a Novel Hybrid Meta Heuristics", Lecture Notes in Economics and Mathematical System (LNEMS), vol. 634, part 2, pp. 177-188, **2010,** (Springer Publication).

3. Sanjay Srivastava, Yogesh K. Anand, Devi P. Sharma, Ajit, **Bhupendra Kumar Pathak**, "Modeling of Occupational Health Hazards of Glass Workers with ANN for Intelligent System", In : Surila

Agarwal, Ira Das, and Kavita Kumar (Ed.), Health Psychology Allied Publisher Pvt. Ltd. 184-191, **2009**.

Paper Presented/Workshop Attended:

1. Presented a paper in National Conference on Differential Geometry & Topology in the Perspective of Modern Trends, DEI, Agra, India Feb 18-19, **2006**, pp. 29-29.

2. Attended Indo-US Shared Vision Workshop (An International Program) on Soft, Quantum and Nano Computing (SQUAN-2007) from February 22-25, **2007** at Dayalbagh Educational Institute (Deemed University), Agra, India.

3. Attended Workshop on "Project Funding and Technical Consulting (For Startups and Researchers)" at Amity School of Engineering and Technology in Collaboration with Amity Innovation Incubator, Noida, India, May, **2009**.

4. Participated in the "National Seminar on Advances in Materials and Devices" at itm University, Gurgaon, India, may, **2010**.

5. Attended Workshop on "Faculty Development Program – Effective Lecture Design & Delivery" at itm University, Gurgaon, India, from Jan 04-07, **2010**.

6. Attended Workshop on "Mission10x-High Impact Teaching Skill" organized by Wipro, at itm University, Gurgaon, India, from June 07-11, **2010**.

7. Attended Workshop on "Communication Skills" at itm University, Gurgaon, India, from July 14-16, **2010**.

8. Attended Workshop on "Effective Teaching" organized by IUCEE, at Jaypee University of Information Technology, Waknaghat, Solan, India, from June 01-6, **2012**.

Project Co-supervised (M. Tech level):

1. "Time-Cost Tradeoff of a Large Real Life Network", Mechanical Engineering, Dayalbagh, Educational Institute, Agra, India, 2006-2007.

2. "Relating Quality of Life with Occupational Health Hazards", Mechanical Engineering, Dayalbagh, Educational Institute, Agra, India, 2006-2007.