

## CURRICULUM VITAE

### PERSONAL INFORMATION

Name : Dr. Pawan Kumar  
 Father's Name : Shri Sompal Singh  
 Mother's name : Smt. Kusum Vati  
 Date of Birth : 15/07/1989  
 Marital Status : Married  
 Nationality : Indian  
 Languages Known : English, Hindi  
 Designation : Assistant Professor (Before this I taught at Government College Bhikyasain)  
 Mailing Address : Radhey Hari Govt. PG. College,  
 Kashipur- 244713 (U. S. Nagar), Uttarakhand  
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### EDUCATIONAL QUALIFICATION:

Examination Passed	University/Board	Year of Passing	%Marks/CGPA	Subjects
High School (10 <sup>th</sup> )	Uttarakhand Board	2004	60.2%	Hindi, English, Computer, Mathematics, Science, Social sciences.
Intermediate (10+2)	Uttarakhand Board	2006	74%	Hindi, English, Physics, Chemistry, Mathematics,
B.Sc.	Kumaun University, Nainital	2009	57.78%	Physics, Chemistry, Mathematics
B.Ed.	Himachal Pradesh University, Shimla	2010	61.7%	Science
M. Sc.	Kumaun University, Nainital	2012	63.88%	Mathematics
Ph.D.	G. B. Pant University of Agriculture and Technology, Pantnagar-263145	2016	7.837	Major- Mathematics Minor- Computer Science

### RESEARCH WORK

**Research Area:** Reliability, Fuzzy system Reliability.

## SEMINARS AND CONFERENCES ATTENDED

- International Conference on Modeling, Simulation & Optimizing Techniques (ICMSOT-2015) held at D.A.V College, Jalandhar, Punjab on February 12-14, 2015.
- Two day national seminar on Interdisciplinary approach of science in advancement of technology: art of human welfare (IASAT-'15) held at Galgotias college of Engineering & Technology, Greater Noida, U.P.
- 2<sup>nd</sup> International Conference on Mathematical Techniques in Engineering Applications (ICMTEA-2016) held at Graphic Era University Dehradun, India.
- 5<sup>th</sup> International Conference on Mathematical Techniques in Engineering Applications (ICMTEA-2021) held at Graphic Era Deemed to be University Dehradun, Uttarakhand, India.
- International Conference on innovation and application in science & technology (ICIAST-2021) organized by Department of Applied Sciences, Galgotias College of Engineering and Technology Greater Noida, U.P, India
- A Two Day International Conference On Applied Mathematical Sciences (ICAMS-2022) (Virtual Mode) organized by J. J. College of Arts and Science(Autonomous) affiliated to Bharathidasan University, Tiruchirappalli J.J. Nagar, Sivapuram Post, Pudukkottai- 622 422, Tamil Nadu, India.
- One day National webinar on various dimensions on NEP 2020 Globalization of higher education organized by M. B. G. Govt. Post Graduation College, Haldwani, Uttarakhand, India.
- A two day International conference on applied mathematical sciences- icams2022 (virtual mode) organized by department of mathematics, J. J. College of Arts and Science (Autonomous), Tamil Nadu, India.

## PUBLICATIONS:

### PAPERS PUBLISHED:

- **Kumar P., Singh S. B. 2015.** Fuzzy fault tree analysis using level  $(\lambda, \rho)$  interval-valued fuzzy numbers. *Mathematical Theory and Modeling*, Vol. 5(2), 136-142.
- **Kumar P., Singh S. B. 2015.** Fuzzy system reliability using intuitionistic fuzzy Weibull lifetime distribution. *International Journal of Reliability and Applications*, Vol. 16(1), 15-26.
- **Kumar P., Singh S. B. (2018).** Fuzzy reliability of systems using different types of level  $(\lambda, 1)$  interval-valued fuzzy numbers, *Reliability Engineering*, 197-214.

- **Kumar P. (2021)** Fuzzy System Reliability Using Fuzzy Lifetime Distribution Emphasizing Octagonal Intuitionistic Fuzzy Numbers, *Advancements in Fuzzy Reliability Theory*, 192-208.
- **D Kumar, S B Singh, P Kumar (2022).** Fuzzy reliability appraisal of a system using probabilistic dual hesitant fuzzy element emphasising score function, *International Journal of Mathematics in Operational Research* 21 (1), 67-82.
- **Kumar P and Kumar D (2022).** Fuzzy reliability Assessment based on Interval-Valued Intuitionistic Fuzzy Numbers with upgraded operations, *Current journal* 11(29), 88-95.
- **Kumar P and Kumar D (2023).** Evaluating Fuzzy System Reliability using a Time-Dependent Hexagonal Fuzzy Number, *Advances in Soft Computing Applications*, pp 247-265, River publisher.
- **Kumar P and Kumar D (2024).** The use of intuitionistic fuzzy numbers in reliability calculations, *Advances and Applications in Mathematical Sciences* Volume 23(5), pp 419-429.
- **TRAINING PROGRAMME & WORKSHOP ATTENDED:**
  - Completed one day training program on “Effective use of e-Resources” held at G. B. Pant University of Agriculture and Technology, Pantnagar.
  - Participated in a one day training program on “Effective use of e-Resources” organized by university library, 1 May 2015, G.B. Pant Univ. of Ag. & Tech. Pantnagar, Uttarakhand.
  - Orientation Programme organized by HRDC Kumaun University, Nainital dated 15/11/2021 to 15/12/2021.
  - Inter-disciplinary two-week Refresher Course on “Managing Online Classes & Co-creating MOOCS 23.0” organized by Ramanujan College, University of Delhi.
  - Online two-week Refresher Course on “Mathematics” organized by Ramanujan College, University of Delhi.
  - Professional Development Programme on ‘Implementation of NEP-2020 for University and College Teachers’ conducted by IGNOU.

#### **COMPUTER PROFICIENCY**

- MS-Office (MS Word, MS Excel, MS Power Point) and internet applications.
- MATLAB
- R-Software

**DECLARATION**

I hereby solemnly declare that all the information furnished here is true to the best of my knowledge.

**Place: Kashipur**

**Date: 15/08/2024**