Faculty Profile

Faculty Name	Sanjeev Kumar
Designation	Professor
Qualification	M.Sc. (Mathematical Statistics), M.Sc. (Mathematics), M.Phil., Ph.D.
Email	drsanjeev.applied@piet.co.in
Area of Interest	Queuing Theory and Reliability
Work Experience (Total)	20 Years
• Teaching	20 Years
• Research	10 Years
• Industry	N.A.
• Others	N.A.
Courses taught at Diploma/ Post Diploma/ Undergraduate/ Postgraduate/ Post Graduate Diploma Level	PG: - Stochastic Methods, Applied Mathematics in Chemical Engineering, Operation Research. UG: - Probability and Statistics, Computational Technique, Multivariable Calculus, Calculus and Ordinary differential equation, Calculus and linear algebra, Remedial Mathematics, Business Mathematics.
Membership of Professional Bodies	Editorial Member of Mathematics Journal, Mathematical Journal of Interdisciplinary Sciences, ISSN Print: 2278-9561, ISSN Online: 2278-957X
Research Publications	
• Research Papers UGC-CARE	10
• Research Papers SCOPUS	N.A.
• Research Papers WoS/SCI/ABDC	N.A.
• List of Publications	• Sanjeev Kumar & Jugmendra Singh, 2015, Profit Analysis of Programmable Logical Control (PLC) system with Expert Repairman, International Journal of Management Sociology & Humanities, Volume 6, Issue 10, PP-227-241 • Sanjeev Kumar, June 2013, Comparison of Two Unit Redundant System with and Without Correlated Lifetimes Aryabhatta Journal of Mathematics and Informatics, Volume 5, No. 1, Jan – June 2013, PP - 81-92 • Mohit Kakkar , Ashok Chitkara & Sanjeev Kumar, February 2012, Reliability Analysis of a Cold Stand By System with Repair -

	Equipment Failure and Appearance and Disappearance of Repairman with Correlated Life Time, International Journal of Scientific & Engineering Research, Volume 3, Issue 2, pp - 1-6
	• Mohit Kakkar , Ashok Chitkara & Sanjeev Kumar, 2011, Stochastic Behavior of Two Parallel Unit System with Appearance and Disappearance of Repairman and Correlated Life Time, International Journal of Advances in Science and Technology, Vol. 3, No.3, pp. 30-38
	• Sanjeev Kumar, Nitin Bhardwaj & Ashok Kumar, 2010, Analysis of The Effect of Correlation on Redundant System with Two types of failure and repair rates, Advances in Information Theory and Operations Research (2010), pp.154-173 (Germany).
	• Sanjeev Kumar, Nitin Bhardwaj & Ashok Kumar, July –December 2009, Analysis of Two-Unit Redundant System with Imperfect Switching and Connection Time, International Transactions in Mathematical Sciences and Compute, Volumr2. No.2, pp. 195 – 202.
	• Dr. Ashok Kumar, Sanjeev Kumar & Vijay Kumar, June -2009, Analysis of a two similar unit cold-standby redundant system with different failure mode and regular repairman, International Journal of Mathematics & Applications. Vol. 2, No. 1, pp. 115 – 119.
	• Dr. Ashok Kumar, Sanjeev Kumar & Vijay Kumar, January – December 2008, Two similar unit cold standby redundant systems with different failure and repair modes with tiring period, Pacific – Asian Journal of Mathematics. Vol. 2 No. 1-2, PP. 101-106.
	• Dr. Ashok Kumar, Sanjeev Kumar & Nitin Bhardwaj, 2008, Stochastic analysis of a single unit redundant system with two kinds of failure and repair, Reflections des ERA-JMS, Vol. 3 Issue 2, PP. 115-134
	• Dr. Ashok Kumar & Sanjeev Kumar, 2007, Analysis of a two-component single unit redundant system with standbys of each component, Journal of Rajasthan Academy of Physical Sciences., Vol. 6 PP. 433-448.

Book and Chapter Publications	
• Books Authored published by International Publishers	N.A.
• Books Authored published by National Publishers	N.A.
• Publication of Chapter in Edited Books	N.A.
• Editor of Book by International Publishers	N.A.
• Editor of Book by National Publishers	N.A.
• Translation Work of Book	N.A.
• List of Book and Chapter Publications	N.A.
Patents	
• Published	N.A.
• List of published patent(s)	N.A.
• Filed	N.A.
• List of filed patent(s)	N.A.
PhD Guidance	
• Degree Awarded	1
• Thesis Submitted	
M.Tech. Guidance/M.Phil	
• Degree Awarded	1
• Thesis Submitted	
Research Project	N.A.
• List of Research project	
Consultancy	N.A.
• List of Consultancy	

Awards & Honours	
• List of Awards & Honours	Dainik Bhaskar Best teacher award, 5 December 2017
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	Invited Talk on the topic "Design of Experiments and its Factors" on 10 July 2017 in one-week short term course on Design of Experiments and Advanced Optimization Technique (DEAOT-2017)
• International (Abroad)	N.A.
• International (Within Country)	4
• National	4
• List of published papers	• Sanjeev Kumar, November 21 – 24, 2013, Analysis and Comparison of Two-unit Parallel System with and Without Correlated Lifetimes, International Conference on History and Development of Mathematical Sciences, Department of Mathematic, MDU, Rohtak. • Sanjeev Kumar, December 05 – 07, 2011, Comparative Analysis of Two Unit redundant System with and without Correlated Life Times, International Conference on Advances in Modeling, Optimization and Computing (AMOC 2011), IIT Roorkee, UK. • Dr. Ashok Kumar & Sanjeev Kumar, January 30 – 31, 2010, Analysis of a component redundant computer numerical control system with correlated life times, 2nd National seminar on 'Recent Trends In Advancement of Mathematical and physical Sciences' D. N. College, Meerut (U.P). • Dr. Ashok Kumar & Sanjeev Kumar, March 18-20, 2006, Analysis of a two unit component redundant system, 8th Annual National Conference on Information Technology: Setting Trends in Modern Era' Israna, Panipat, Haryana. • Dr. Ashok Kumar & Sanjeev Kumar, Jan 19-20, 2007, Stochastic analysis of a single unit redundant system with two kinds of failure and repair, NSSA – 07 SLIET Longowal (Pb). • Dr. Ashok Kumar & Sanjeev Kumar, Feb. 22-23, 2008, Reliability analysis of a computer numerical control system with redundancy, National Conference on Emerging Trends in Statistical Method and Optimization

	Technique, Jammu University Jammu. • Dr. Ashok Kumar & Sanjeev Kumar, May 31, June1, 2. 2007, Analysis of two unit redundant system with two kinds of failure and repair with correlated life times, International conference on statistics. (Mumbai). • Dr. Ashok Kumar & Sanjeev Kumar, Dec 29-31, 2008, Effect of redundancy on computer numerical control system with correlated failure and repair life times, VI International Symposium on Optimization and Statistics, Aligarh. • Dr. Ashok Kumar & Sanjeev Kumar, 2005, Behaviour of a complex sub-system with two kinds of failure, Application of Mathematics in Engineering & Technology PP. 106-110. Malout Punjab. • Dr. Ashok Kumar, Sanjeev Kumar & Rajbir Bhardwaj, 2005, Analysis of three-unit system with two kinds of failure and repair, Application of Mathematics in Engineering & Technology PP. 111-117. Malout Punjab.
Organizing National Conference/ International Conference/ FDP/STTP	
• List of Conference/FDP/STTP committee	International Conference on Intelligent Systems: approaches, Technologies and Networks Sponsored by: ICSSR, MHRD, New Delhi
Social Contributions and Sports	
• **List of Social Contributions and Sports**	I help and teach people about meditation.