Department of Mathematics

Faculty Name Sanjay Chaudhary
Qualification Ph.D. (Mathematics)
Designation Professor
Experience 28 Years
Department Mathematics

Contact Information

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Administrative Assignment: Coordinator RUSA, Head Dept. of Mathematics

Personal Achievements / Distinctions / Seminars / Paper Presentation

I. Professor and Additional Director in Mathematics (2008-2009) , Department of Mathematics, PSIT , Kanpur

II. Abroad visit :

1. Presented a contributed talk "Reliability analysis of three different series system built up of different devices", International Congress of Mathematician, Madrid (Spain) , 21-30 , Aug 2006

2. Presented a contributed talk on "Reliability enhancement and fixed transmission times of acyclic transmission multi state networks (ATMNs), 6th International Congress on Industrial and Applied Mathematics (ICIAM07), July 16-20, Zurich, Switzerland

3. Presented a contributed talk on "Reliability Equivalence of a Series System" 18th Triennial Conference of the International Federation for Operations Research Society, July 13-18, 2008, Sandon, Johannesburg, South Africa

4. Presented contributed talk on Reliability Aspects at 7th International Congress on Industrial and Applied Mathematics (ICIAM11), Vancouver (Canada) July 2011

5. Presented contributed talk on Multi state Reliability at 27th European Conference on Operations Research, July 2015 , Glasgow, United Kingdom

6. Presented contributed talk on Fuzzy Modeling at 8th International Congress on Industrial and Applied Mathematics (ICIAM11), August 2015, Bejing, China

7. Participated in a Workshop on "Multiscale modeling and Analysis in Material Science, August 2015, Shanghai, China

8. Participated in "International summer school on Various Aspects of Mathematical Physics" Saint Petersburg, Russia, August 2016

Fields of Interests

Reliability Theory, Fuzzy Logic, Queueing Systems, Software Reliability
Research Being Guided: Ph. D. (02) M.Phil. (80)

Recent Publications/ Documentary Contributions: (Recent Publications)

Publications :

1. "Reliability Evaluation of Acyclic Linear Multi-state Consecutively Connected Network (ALMCCN)", Ac. C. In. , Act/02/M010, 2010)

2. Reliabilty Analysis of Network through the Enumeration of Minimal Cut Sets, International Journal of Information and Computing Science,December 2010

3. Implementation of Elliptic Curve Cryptography in 'C', International Journal on Emerging Technologies, 3(2):38-51(2012)

4. A Mathematical Model to Diagnose the level of Diabetes using Fuzzy Logic System, Jnanabha, Vol 45, 2015

Books:

1. Engineering Mathematics, Darbose Prentice Hall , India
2. Probability Theory , R.P Sons
3. Fundamentals of Calculus,R.P Sons
4. Applied Discrete mathematics, R.P Sons
5. Operations Research, Students' Friends & Company
6. Business Mathematics, Sahitya Bhawan Publications
7. A set of Eight Books for Class IX and X for UP Board Course

Research in Hand

Submitted a Research Project to RUSA : "Mathematical Model for the Insurance and Finance Sector using the concept of Fuzzy Logic"
M. Phil. Scholars -5