

FACULTY PROFILE



Name: Dr. Satish Kumar

Designation: Assistant Professor

Email: satishks@srmist.edu.in

Professional Qualification:

- Ph.D. (2014), “Replenishment Policies for Perishable Items with Time Dependent Demand Rates” from Chaudhary Charan Singh University, Meerut.
- M.Sc. (2002), from Chaudhary Charan Singh University, Meerut
- B.Sc. (2000), from Chaudhary Charan Singh University, Meerut

Publications (Journals & Conferences):

- Model for Retailers with Price Dependent Demand Rates “International Conference on Intelligent Engineering and Management (ICIEM-2022), IEEE Xplore, Page 50-52”.
- Algorithm of Modeling on Repositioning “International Conference on Innovative Practices in Technology and Management (ICIPTM-2022), IEEE Xplore, Page 406-410”.
- An inventory model with price dependent demand rates as power law form using ant colony optimization “Journal of Management Information and Decision Science ISSN: 1532-5806, Volume 24, Issue 6, 2021 (1-10)”.

- Analysis of the Arrival Geo/G/1queue with Geometric Distributed Multiple “International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, April 2020”.
- Inventory System with Shortages and Weibull Deterioration Purpose “International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020”.
- “Algorithm of Model on Zoning Process” published in “International Journal of Engineering and Advanced Technology (IJRAT), Volume 8, Number 2S2, January 2019, Page 26-28”.
- “Two-Warehouse Inventory Model for Deteriorating Items under the Effect of Inflation and Partial Backlogging” published in “International Journal of Operations Research and Optimization, Volume 3, Number 1, January-June 2012, Page 173-188”.
- “Retailer’s Optimal Replenishment Policy for Life Time Items under Two-Level Trade Credit” published in “International Journal of Operations Research and Optimization, Volume 2, Number 2, July-December 2011, Page 160-178”.
- “An Integrated Production-Inventory Model for Deteriorating Items under the effect of Inflation” published in “International Transactions in Applied Sciences, Volume 3, Number 3, July-September 2011, Page 537-542”.
- “An Inventory Model with Power Demand, Partial Backlogging and Incremental Holding cost under Inflation” published in “International Transactions in Applied Sciences Volume 1, Number 2, June 2009, Page 217-226”.
- “Effect of Inflation and Lost Sales on Decaying Items with Variable Demand Rate” published in “International Journal of Essential Sciences, Volume 2, Number 1, 2008, Page 42-51”.

- "An EPQ Model for Deteriorating Items with Variable Demand, Partial Backlogging and Inflation" published in "Reflection des ERA-Journal of Physical Sciences, Volume 1, Issue 1-4, November 2007, Page 1-16".
- "Inventory System for Decaying Items with Time and Price Dependent Demand Rate" published in "Reflection des ERA-Journal of Mathematical Sciences, Volume 2, Issue 3, August 2007, Page 273-288".

Paper Presentation in Conferences

- "Model for Retailers with Price Dependent Demand Rates" presented online in "International Conference on Intelligent Engineering and Management (ICIEM-2022)" on April 27-29, 2022 at , Amity University in London.
- "Algorithm of Model on Zoning Process" presented in "5th International Conference on Recent Trends in Computing (ICRTC-18)" on December 27-28, 2018 at Department of Computer Science & Engineering, SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar Ghaziabad.
- "An Inventory Model for Deteriorating Items with Power Demand and Backlogging" presented in National Conference on "Role of Mathematics in Sustainable Development" on October 17-18, 2014 at Department of Mathematics, Government Degree College Karanprayag (Chamoli), Uttarakhand.
- "An Inventory Model for Deteriorating Items with Time and Price Dependent Demand Rate" presented in National Conference on "Role of Mathematics and Physical Sciences in Engineering and Technology" on October 21-22, 2011 at Department of Mathematics and Physics, Government Degree College Karanprayag (Chamoli), Uttarakhand.

Achievements and Awards

- Certification Programme from NPTEL in Numerical Methods, Aug-Sep 2018.
- Certification Programme from NPTEL in Engineering Mathematics-I, Jan-Apr 2019.

- Certification Programme from NPTEL in Calculus of One Real Variable, Jul-Sep 2019.

Workshops /Seminars/Conferences/FDP

- Attended a six day FDP on “IoT and Wearable Devices for Smart City Infrastructure” from June 20-25, 2022 organized by Department of Electronics and Communication Engineering at SRM IST, Delhi NCR Campus, Ghaziabad.
- Attended 10th international conference on “Recent Trends in Computing, ICRTC-2022” from June 04-05, 2022 organized by Department of Computer Science and Engineering, SRM IST, Delhi NCR Campus, Ghaziabad (U.P.).
- Attended a six day FDP on “Role of Optimization in Computational Mathematics, Supply Chain Management & Engineering” from May 23-28, 2022 organized by Department of Mathematics at SRM IST, Delhi NCR Campus, Ghaziabad.
- Attended a six day FDP on “Advanced Security Analytics and Machine Learning” from April 18-23, 2022 organized by Department of Computer Science and Engineering at SRM IST, Delhi NCR Campus, Ghaziabad.
- Attended an international Workshop on “Numerical and Analytical Techniques in Engineering Problems (IWNATEP-2022)” held on January 19-21, 2022 organized by the Department of Mathematics at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India.
- Attended a five day online FDP on “Inculcating Universal Human Values in Technical Education” from August 09-13, 2021 organized by All India Council for Technical Education(AICTE), New Delhi.
- Attended a five day Workshop on “Computational Tools for Research in Science and Technology 2021 (CTRST 2021)” from May 24-29, 2021 organized by Department of Mathematics and Department of statistics, Amity Institute of Sciences, Amity University, Noida, Uttar Pradesh.

- Attended a six day online FDP on “Prominence of Mathematics in Diverse Sectors” from July 15-20, 2020 organized by Science and Humanities of Hindustan College of Engineering and Technology, Anna University, Chennai.
- Attended 3rd international conference on “Micro-Electronics and Telecommunication Engineering, ICMETE-2019” from September 28-29, 2019 organized by Department of Electronics and Communication Engineering, SRM IST, Delhi NCR Campus, Ghaziabad (U.P.).
- Attended a three day seminar on “Application of Technical Terminology in Modeling, Optimization and Computing in Science and Technology” on April 26-28, 2019 organized by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development (MHRD), Department of Higher Education at SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar Ghaziabad.
- Attended 21st Annual Conference of Vijnana Parishad of India on “Modeling, Optimization and Computing for Technological and Sustainable Development (MOCTSD-2019)” organized by Department of Mathematics from 26th to 28th April, 2019, at SRM IST Delhi NCR Campus, Ghaziabad.
- Attended 2nd international conference on “Micro-Electronics and Telecommunication Engineering, ICMETE-2018” from September 20-21, 2018 organized by Department of Electronics and Communication Engineering, SRM IST, Delhi NCR Campus, Ghaziabad (U.P.).
- Attended an international conference on “Advance Techniques & Devices in Mathematics & Physical Science (An International Meet)” held on 23rd-25th January, 2015 jointly organized by Department of Mathematics & Physics, SRM University, Delhi NCR Campus, Ghaziabad (U.P.).
- Attended a two days “International Telecommunication Union (ITU) Workshop” on “Standards and Intellectual Property Rights (IPR) Issues” on December 19-20th, 2011 at HMR Institute of Technology and Management, Delhi.

- Attended a one day seminar on “ Operations Research and its applications to Engineering and Management” on May 08, 2010 at Department of Applied Sciences and Humanities, I.T.S Engineering College, Greater Noida, India.

Professional Memberships:

- Life time member of **Operational Research Society of India, 1076/S/14/ML**, Meerut Chapter.
- Member of “**International Association of Engineers (IAENG)**”, with member number: **315385**.
- Member of “**International Association of Academic plus Corporate (IAAC)**”, with unique identity number: **CE000888**.

Dated: 28/07/2023

Place: Ghaziabad

(Dr. Satish Kumar)