

International Webinar on Emerging Trends in Sustainable Supply Chain Management

June 12 -13, 2021



Department of Mathematics, Gujrat University

The Gujarat University, established in 1949 is the largest university of Gujarat with more than 4 lac students. The university regulates, supervises and controls postgraduate teaching through postgraduate departments and centers. The university has more than 250 affiliated colleges and many recognized institutes. The university caters various certificate, diploma, degree courses in the faculty of Arts, Commerce, Science, Medicine, Dentistry, Pharmacy and Law. The university has central library and research facilities, Health centre, SC/ST cell and Women's Development Cell. The university provides scholarships, fellowships and Gold medals to meritorious students. (For more information visit www.gujaratuniversity.ac.in) The Department of Mathematics (DST-FIST Supported) is known for its teaching, research, and scholarly achievement in pure and applied branches. The faculty consists of internationally recognized researchers. Department of Mathematics run diploma course in Actuarial Science.

- Prof. Nita H. Shah, Head of Department



Association of Inventory Academicians and Practitioners (AIAP)

The Association of Inventory Academicians and Practitioners (AIAP) was founded in 2014 to provide a forum for researchers, experts as well as an avenue to widen their horizon by exchange of knowledge and application of techniques from outside the country in the area of inventory management and related disciplines. The Society office is located in New Delhi, India. The society took the initiative to organize the 1st International Conference on "Emerging Trends in Inventory, Supply Chain & Reliability Modeling (ETISCRM 2018)" with an objective to promote research and generate awareness in the areas of inventory control, supply chain management & reliability modeling and their applications in industry, society, educational and research development organizations.

- Prof. Chandra K. Jaggi, President



Department of Operational Research, University of Delhi












Established in 1922, the University of Delhi is today truly a pioneering institution, known for its internationally renowned faculty, highly reputed departments and above all for its commitment to impart quality, variety, depth and relevance in education to the students. With extensive research libraries and superb cultural and recreational facilities, the university attracts students from all corners of the globe. Operational Research as a subject was first introduced in the University of Delhi in 1963 with the introduction of a two-year post graduate program in Operational Research. Being the first to start a post graduate program in operational research in India, it is widely acknowledged as one of the leading OR departments in India. The Department of Operational Research is renowned for its high standards in teaching, research, and scholarly achievement. The faculty consists of internationally recognized researchers with considerable expertise in applying OR and statistical methods.

- Prof. Pankaj Gupta, Head of Department

Conference Chair: Prof. (Dr.) Nita H. Shah, Department of Mathematics, Gujarat University
Program Chair: Dr. Ravi Gor, Department of Mathematics, Gujarat University

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Time	Day 1 June 12, 2021	Day 2 June 13, 2021
15:00 - 15:30	<u><i>Welcome</i></u>	 <p><i>Prof. C K Jaggi</i> Department of Operational Research, University of Delhi, India Title: Integrating Sustainable Practices within Supply Chain Management</p>
15:30 - 16:00	 <p><i>Prof. Nyoman Pujawan</i> Supply Chain Engineering Department of Industrial Engineering, Sepuluh Nopember Institute of Technology, Indonesia Title: Research in sustainable supply chain: achievement and aspiration</p>	 <p><i>Prof. Asoke Bhunia</i> Department of Mathematics, The University of Burdwan, India Title: Inventory models with type-2 interval valued parameters</p>
16:00 - 16:30	 <p><i>Prof. Nita Shah</i> Department of Mathematics, Gujarat University, India Title: Manufacturer-Distributor Supply Chain for Vaccine with Carbon Emission dependent Demand</p>	 <p><i>Dr. Shib Sankar Sana</i> Kishore Bharti Bhagini Nivedita College, University of Calcutta, India Title: A mathematical model on eco-friendly manufacturing system under probabilistic demand</p>
16:30 - 17:00	 <p><i>Georgios Karakatsoulis</i> Department of Mathematics, University of Ioannina, Greece Title: Optimal reorder level and lot size decisions for an inventory system with defective items</p>	 <p><i>Prof. Murlikrishana Iyyanki</i> India Academic Programs Director, Hyderabad, India Title: Artificial Intelligence for Sustainable Supply Chain Management – An Appraisal</p>
17:00 - 17:30	 <p><i>Prof. S. R. Singh</i> Department of Mathematics, CCS University, Meerut, India Title: A sustainable inventory model for deteriorating items with manageable carbon emission</p>	 <p><i>Dr. Sujit De</i> Department of Mathematics, Midnapore College (Autonomous), India Title: A Robust Two Layer Green Supply Chain Modelling under Performance Based Fuzzy Game Theoretic Approach</p>
17:30 - 18:00	 <p><i>Prof. Peruvemba Sundaram Ravi</i> Department of operations and decision sciences, Lazaridis School of Business and Economics, Wilfrid Laurier University, Waterloo, Canada Title: Globalization and Sustainable Supply Chains</p>	 <p><i>Prof. Leopoldo Eduardo Cárdenas Barrón</i> Industrial and Systems Engineering Department at Tecnológico de Monterrey, Mexico Title: An EOQ model for deteriorating products with price-, stock-, and time-dependent demand and nonlinear holding costs</p>

Registration Link: <https://forms.gle/UwWGEuLtJZj3xtbb9>