

## CURRICULUM – VITAE

**Name:** SANDEEP RAWAT

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**Date of Birth:** August 10, 1988

**Category:** OBC

**Nationality:** Indian

**Sex:** Male

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**Place of Birth:** Faizabad (Ayodhya), Uttar Pradesh



### 1. ACADEMIC PROFILE

Exam Passed/ position held	University/Board/institute	Subjects	Year	Division
High School	U. P. Board, Allahabad	Hindi, English, Maths, Science, So Sci, H. Sci.	2003	Second
Intermediate	U. P. Board, Allahabad	Hindi, English, Maths, Physics, Chemistry	2005	Second
B. Sc.	Dr Ram Manohar Lohia Avadh University, Faizabad (UP)	Mathematics, Chemistry, Physics	2008	Second
M. Sc.	Dr Ram Manohar Lohia Avadh University, Faizabad (UP)	Complex Analysis, Operations Research, Measure Theory & Functional Analysis, Statistical Inference, Special Function	2011	First
SRF/ JRF (02/01)	National Board For Higher Mathematics, Govt. of India, Mumbai (India)	Mathematical Sciences	2013-2016	Completed

	( A Major Research Project Sponsored by Dept. of Atomic Energy Govt. of India)			
Post Graduate Diploma in Computer Application (P.G.D.C.A)	Maharishi Dayanand Collage of Computer Science, New Delhi, India	Computer Diploma Course	2017	First
Ph.D (Part Time) (Operations Research)	Babu Banrasi Das University, Faizabad Road, Lucknow-226028	Regd. No. : 99/Ph.D(PT)-Math/2018/00002	14.08.2018	03 Yr Complete

## 2. TEACHING EXPERIENCE

### Guest Faculty/ Teaching Assistant:

- i. Taught the M.Sc. classes at Dept. of Mathematics, K.S.S.P.G. College, Ayodhya-Faizabad during December-February 2017.
- ii. Taught the M.Sc. classes at Dept. of Mathematics and Statistics (Centre of Excellence), Dr Rammanohar Lohia Avadh University Faizabad, Faizabad during February 21, 2018-June 30, 2018.
- iii. Taught the M.Sc. classes at Dept. of Mathematics and Statistics (Centre of Excellence), Dr Rammanohar Lohia Avadh University Faizabad, Faizabad during July 25, 2019-June 30, 2019.
- iv. Taught the M.Sc. classes at Dept. of Mathematics and Statistics (Centre of Excellence), Dr Rammanohar Lohia Avadh University Ayodhya, Ayodhya during September 05, 2019-June 30, 2020.
- v. Taught the M.Sc. classes at Dept. of Mathematics and Statistics (Centre of Excellence), Dr Rammanohar Lohia Avadh University Ayodhya, Ayodhya during July 01, 2020-June 30, 2021.

## 3. RESEARCH EXPERIENCE

### (a) Research Area:

- (1) Operations Research
- (2) Fuzzification & Defuzzification
- (3) Computing
- (4) Artificial Neural Network

**(b) Published Research Papers**

- I. S.S. Mishra, S.K. Yadav and **S. Rawat** (2019), Fuzzified analysis of deteriorating inventory model with decreasing demand and changing holding cost, *Journal of International Academy of Physical Sciences*, 23 (1), 25-40
- II. S.S. Mishra, S.K. Yadav, Dinesh K. Sharma and **S. Rawat** , Computational approach to fuzzified profit optimization of inventory flow in supply chain with deteriorating items, **International Journal of Operational Research, Inder Science, 2017, Vol. 30, No. 1., ISSN-1745-7653.**
- III. S.S. Mishra, S.K. Yadav and **S. Rawat** (2015), Inventory Flow in Supply Chain with Deteriorating Items for Customers in Queue: Computation of Profit Optimization in Fuzzy Environment, *American Journal of Operational Research*, 5, 1, 1-8.
- IV. S.S. Mishra, S.K. Yadav and **S. Rawat** (2015), Optimization of Fuzzified Economic Order Quantity Model Allowing Shortage and Deterioration, *American Journal of Operational Research*, 5(3),103-110.

**(c) Conferences / Seminars attended and paper presented**

- I. 67<sup>th</sup> Annual Conference of Bharat Ganit Parisad, Conference on Modern Analysis & Application-An International Meet (CMAA-2019) Organized by Department of Mathematics & Computer Science Babu Banarasi Das University, Lucknow (Uttar Pradesh), India, Sponsored by SERB, Department of Science & Technology, Govt. of India, New Delhi during November 16-17, 2019. The title of the paper presented is **“Fuzzy Queuing Model with Removable Service Station”**.
- II. 25<sup>th</sup> International Conference (CONIAPS XXV) on “Physical and Biological Sciences at Cross-roads: Interdisciplinary Explorations and Exciting Challenges” under the Auspices of the International of Physical Sciences (IAPS), Organized by Department of Chemistry , Guru Jambheshwar University of Sciences & Technology (NAAC A Grade), during December 29-31, 2019, Hisar-125001(Haryana), India. The title of the paper presented is **“Development of Fuzzy Model and optimizing its Costs”**.

- III. National Seminar on Recent Advances in Yoga and Naturopathy jointly organized by Department of Yoga Therapy, Dr Rammanohar Lohia Avadh University, Ayodhya (U.P.) & International Naturopathy Organization (INO) DURING March 30-31, 2019.
- IV. International conference on Innovative Research in Science, Management and Technology Organized by Department of Computer Science and application, Bilaspur University, Bilaspur (C.G.) India in Association with Modern Technology and Management Institute (MTMI) INC., USA in Collaboration with University of Maryland Eastern Shore, Maryland, USA and Frostburg State University, Frostburg, USA during August 04-05, 2018. The title of the paper presented is **“Comparative Approach to Crisp and Fuzzy Inventory Models with Ramp Type Demand Quadratic Deterioration and Occurrence of Shortages”**.
- V. 22<sup>th</sup> International conference of International Academy of Physical Sciences on Physical Sciences (CONIAPS XXII) on Emerging Trends in Physical Sciences , held at the faculty of sciences, Dr. Rammanohar Lohia Avadh University Ayodhya during April 13-15, 2018. The title of the presented paper in Young Scientist Award Category. The title of the paper presented is **“Optimum Cost for A Fuzzy Model for deteriorating items with Decling Demand and Varying Holding Cost”**.
- VI. 20<sup>th</sup> International conference of International Academy of Physical Sciences on Physical Sciences (CONIAPS XXII) on Recent Advances in Physical sciences and Future Challenges organized by Faculty of science, Department of Mathematics, Physics, Chemistry, Osmania University, Hyderabad.
- VII. National Seminar on Applications of Scientific Software in Research, Founded by State Govt. organized by School of Sciences, U.P. Rajarshi Tandon Open University, Allahabad during March 30-31, 2017. The title of the paper presented is **“Optimum Cost for a Fuzzy Model for deteriorating items with Decling Demand and Varying Holding Cost”**.
- VIII. International conference on Recent Advances in Mathematics and their Application (ICRAMTA-2016) organized by the Department of Mathematics, University of Rajasthan, Jaipur, U.P., India during July 10-12, 2016. The title of the paper presented is **“A Fuzzified Inventory Model for .....Time-Varying holding cost”**.
- IX. International conference on Statistics and Related Areas for Equality Sustainability and Development (SRAESD-2015) in conjunction with xxxv annual convention of Indian Society for Probability and Statistics, University of Lucknow, Lucknow , U. P.

during Nov. 28-30, 2015. The title of the presented paper is **“Fuzzyfied inventory model with deterioration and shortages under full backlogging”**.

- X. 18<sup>th</sup> International conference of International Academy of Physical Sciences on Physical Sciences on Recent Trends in Physical Sciences, held at the faculty of sciences, university of Allahabad during Dec. 22-24, 2015. The title of the presented paper is **“Fuzzy inventory model for deteriorating items with shortages”**.
- XI. International Conference on Recent Trends in Mathematics (ICRTM 2015), Sponsored by DST, UGC, CSIR, Govt. of India, IMSc., Chennai & IAPS, ORGANIZED BY Department of Mathematics, University of Allahabad, Allahabad during July 10-12, 2015. The title of the presented paper is **“Fuzzyfied Total Optimum Cost of Inventory Model with Deteriorating and Shortages under Full Backlogging”**.
- XII. XVI Annual conference on International Academy of Physical Sciences on Physical Science and Technology for Sustainable Development held at PDPM Indian Institute of Information Technology (IIIT), Design & Manufacturing Jabalpur during March 20-22, 2014. The Title of the presented paper is **“Fuzzified profit optimization of inventory flow in supply chain with deteriorating items and power form stock dependent demand”**.
- XIII. International conference on mathematics and numerical simulation, organized by the Department of Applied Mathematics, School for Physical Sciences, Babasah Bhimrao Ambedkar University, Lucknow, India, during July 01-03, 2013. The title of the presented paper is **“Partial Backlogging EOQ model for Queued Customers with power Demand and Quardratic Deterioration.**

#### **(d) Workshops/Training Programs**

- I. One Week Faculty Development Program entitled “Role of Matrix Laboratory (MATLAB) in Advance Communication” held during March 15<sup>th</sup> to 19<sup>th</sup>, 2019 at Institute of Engineering And Technology, Dr. Rammanohar Lohia Avadh University Ayodhya, U.P. (India), Sponsored by TEQIP-III National Project Implementation Unit, MHRD, Govt. of India.
- II. National Workshop on “R-Computing for Learning, Research and Industrial Applications’ Organized by Department of Mathematics & Statistics, Dr. Rammanohar Lohia Avadh University Ayudhya, U.P. (India) In Association With IAPS Ayodhya Chapter (U.P.) during April 27<sup>th</sup> to May 1<sup>th</sup>, 2019 .

- III. National Workshop on “RESEARCH METHODOLOGY” Organized by Internal Quality Assurance Cell(IQAC) Department of Mathematics & Statistics, Dr. Rammanohar Lohia Avadh University Ayudhya, U.P. (India) In Collaboration with Research for Resurgence Foundation (RFRF), Nagpur during May 20<sup>th</sup> to 26<sup>th</sup>, 2019
- IV. Three days “Training Program” Organized by Jhunjhunwala Business School Affiliated to UPTU Lucknow and Approved by AICTE MHRH, New Delhi on Dated January 18<sup>th</sup>, 23<sup>th</sup> & 24<sup>th</sup>, 2011 on the following topics:

- (a) Overview of Statistical Foundation for management Research.
- (b) Research Methodology
- (c) Data Analysis Using SPSS

**(e) Communicated Research Papers**

- I. ANN Approach to Simulation and Prediction of Traffic Congestion for Markovian Queue with Single Server.
- II. Simulation and prediction modeling of Cost of Markovian Model of M/M/1 Model using Artificial Neural Network Technique

**(f) Online Webinar Workshops/Training Programs**

- I. 02 days instructor Led Live online workshop on MI & AI using Covid-19 virus data analysis organized by Finland Labs ( A Unit of Revert Technology Pvt. Ltd.) in association with National Social Summit (NSS)-IIT Roorkee held on 29<sup>th</sup> – 30<sup>th</sup> April, 2020.
- II. An international video conference organized by Department of Computer Science & Engineering, School of Engineering, Babu Banarasi Das University, Lucknow, U.P., in association with the institution of Engineers, India (IEI) held on 2-3 May, 2020.
- III. Webinar on solving linear and non linear equations using MATLAB organized by Department of Electronics Engineering, Harcourt Butler Technical University, Kanpur held on May 19, 2020.
- IV. Webinar on Ordinary differential equations-PART-1 organized by Department of electronics engineering, Harcourt Butler Technical University, Kanpur held on May 21, 2020
- V. Participated in the workshop “An Introduction to LaTeX” organized by the Graduate School for Production Ecology & Resource Conservation (PE & RC) under Dainius

- Masiliunas- Lab for Geo information Science & Remote sensing (WUR) during 22 May, 2020.
- VI. Webinar on representation of signal in MATLAB organized by Department of electronics engineering, Harcourt Butler Technical University, Kanpur held on May 23, 2020.
  - VII. National webinar on remedies of RF and microwave signals organized by Harcourt Butler Technical University, Kanpur & Govt. Women Engineering College, Ajmer, in association with association of electronics engineers, Kanpur & IEEE APS chapter, Jaipur held on 25 May 2020.
  - VIII. Soft computing research society (SCRS), India registered under the societies registration act XXI of 1860. Lecture series on soft computing organized by soft computing research society, New Delhi held on from May 30, 2020 to June 01, 2020.
  - IX. A systematic statistical approach for optimal solutions of industrial problems organized by the Department of Mathematics Koneru Lakshmaiah (K L) University education foundation held on 5<sup>th</sup> June, 2020
  - X. National webinar on Application on Mathematical Modeling and Statistical Learning Covid-19 and its related problems organized by conducted jointly by the Department of Mathematics & Statistics, Bareilly Collage, Bareilly, U.P. during 07 June, 2020.
  - XI. Weekly webinar/ workshop on Atmospheric Processes and Applications of Computational Mathematics organized by Department of Mathematics, Gautam Buddha University & Indian Meteorology Society ( Noida Chapter) during 5-20 June, 2020.
  - XII. International Yoga Day and International e-conference on “ Latest Aspects of Yoga and Holistic : Covid-19 & Beyond organized by Institute of Yogic Science, Dr Rammanohar Lohia Avadh University, Ayodhya, U.P. (India) during the period 21-22 June, 2020.
  - XIII. National Seminar on Recent Trends in statistical Theory and Applications -2020 (NSSTA-2020) webinar organized by Department of Statistics, University of Kerala, Trivandrum during June 29-01 July, 2020.
  - XIV. 05 days faculty development programme on E-content creation for MOOCs and Model through video conferencing hosted by institute of Engineering & Technology, Dr Rammanohar Lohia Avadh University, Ayodhya, U.P. (India) during the period 10-14 July, 2020.

- XV. National Workshop on Origin of Mathematics in Vedas and its Different Dimensions organized by Gautam Buddha University and Siksha Sanskriti Utthan Nyas during the period 18-19 July, 2020.
- XVI. One week faculty development programme on “ICT Learning and E-Content Development” organized by Internal Quality Assurance Cell & Placement & Soft Skills Development Cell in association with Indira Gandhi National Open University Regional Central, Lucknow on 20-26, July 2020.

#### 4. AFFILIATION TO ACADEMIC BODIES

Membership	Indian Science Congress	<b>Enr. No. A11373</b>	2017-2018	Annual
Life Membership	International Academy of Physical Sci.	<b>Enr. No.: N11831</b>	Life Time	Life Time
Life Membership	Indian Science Congress	<b>Process</b>	Life Time	Life Time
Life Membership	Bharat Ganita Parisad	<b>Process</b>	Life Time	Life Time

**Date: Ayodhya**  
**Place: 10.08.2020**

  
(SANDEEP RAWAT)