



7. **Orientation Course  
Refresher Course/Workshop-** Annexure-II
8. **Additional Information if any-** Annexure-III

## **Annexure-I**

### **LIST OF PUBLICATIONS**

1. Prabha Agrawal, Singh, H.R. (1985): 'O R in Management of Poultry Industry'. Published in International Journal of Management and Systems, Vol 1, No.2, pp.71-77.
2. Prabha Agrawal, Singh, H.R. (1990): 'Information theoretic approach for optimum redundancy', IJOMAS, Vol. 6, No. 1, pp. 43-49.
3. Prabha Rohatgi and Nidhi Shrivastava (2008): "Maximum likelihood estimator of true scores a reliability of examiners." Journal of Ravishankar Shukla University, (Science), Vol. 21, pp. 31-35.
4. **Prabha Rohatgi and Nidhi Shrivastava (2009): "Application of Queueing Model Having Multiple Servr in Banking Services". Vidarbha Journal of Science, Vol. 4, No. 3-4, pp. 64-68.**
5. **Prabha Rohatgi and Nidhi Shrivastava (2010): "Simultaneous Decision Problem in Periodical Section of a Library ". International J. Agricult. Stat. Sci., vol. 6, no. 2, pp. 669-675.**
6. **Prabha Rohatgi (2010): "Application of Dynamic Programming for Resource Allocation Problem". Shodh Prakalp, Vol. XXXXX, No.1, Jan-March, 2010, pp. 46-54.**
7. **Prabha Rohatgi and Nidhi Shrivastava (2010): "Application of optimization Techniques to Library Services ". Vidarbha Journal of Science, Vol. 5, no. 1-2 pp.46-56, 2010.**
8. **Prabha Rohatgi (2010): "Resource Allocation methods for capital budgeting in educational institute" Indian Journal of Human Relations, Vol. 37, pp. 91-112, June, 2010.**
- 10 Prabha Rohatgi (2010): "Linear Programming Approach for Cost and Risk Minimization of CSP-1". Int. J. M.S.E.A, Vol.4, No.IV, pp. 101-113.

- 11 Prabha Rohatgi (2010): "Dynamic Programming Approach for Economic Screening". International Journal of Agricultural and Statistical Sciences, Vol.6, No.2, pp. 549-556.
12. Prabha Rohatgi and Nidhi Shrivastava (2010): "Goal Programming Approach for Resource Allocation in Library". Assam Statistical Review, vo. 24, no. 1-2, pp. 91-110.
13. Prabha Rohatgi and Nidhi Shrivastava (2011): "Queueing Analysis of Automatic Teller Machine (ATM) Services", Intenational Journal of Agricultural and Statistical Sciences, Vol.7, No.1.( Accepted).
14. Prabha Rohatgi (2011): Information Theoretic Approach for Optimal Inventory. Int. J. M.S.E.A, Vol.5, No.1, pp. 409-415.

### **Paper Published in 2015-2016**

1. Suchita Agrawal and Prabha Rohatgi (2016 April): Application of Critical Path Analysis for Transportation problems in Rural Development of India. Int. J. Agricult. Stat. Sci., Vol. 12, No.1, pp. 59-65. ( **Indexed/ Abstracted in Scopus, Thompson Reuters' Science Citation Index, Indian Science Abstract**)
2. Suchita Agrawal and Prabha Rohatgi (2016 April): Application of Dynamic Programming Technique for Shortest Path Analysis in Health care Services. Int. J. of Math. Sc. & Engg. Appls.( IJMSEA). ISSN 0973-9424, Vol. 10, No.1, pp. 87-102. ( **Open J-gate, Google Scholar, Mathematical Reviews, USA**)

### **Paper Accepted for Publication**

TITLE: Optimization of EOQ of Multi-item Inventory Control Problem through Nonlinear Programming Technique

Thank you for submitting your revised manuscript to **Journal of Ravishankar University (Part B- Science)**. After considering the changes you have made in the light of reviewers comments, I am pleased to accept your manuscript for publication in its current form.

### **Book Publication**

Application of Operations Research Techniques in Management Systems by Prabha Rohatgi and Nidhi Shrivastava (5 December 2012).

### **Conference Attended:**

1. Prabha Rohatgi, Singh, H.R. (1985): 'Application of quadratic programming approach to forecast the Population of Growing Pullets in India', Presented in Indian Science Congress Assoc., **1985**.
2. Prabha Rohatgi (2001): "Sports and Statistics", Presented in a seminar conducted by Deptt. Of Statistics, Pune University, Pune, 22-24 December, **2001**.

3. Participated as a member of organising committee "The XX Annual conference of Indian Society for probability and Statistics (ISPS) and National Seminar on Industries oriented Statistical research and Annual conference of Bayesian Society of India". February 19-21, **2001**. S.O.S. in Statistics Pt. Ravishankar Shukla University, Raipur (C.G.)
4. Participated as a Member of Organizing Committee of "National Seminar on Women's Empowement Year **2001**". Pt. Ravishankar Shukla University, Raipur. Dec., 2001.
5. Participated & presented a paper in "National Conference on Recent development in Statistical Research and National Seminar on Total Quality Management in Industries." Nov., 17-19, **2002**. Organised by School of Studies in Statistics, Pt. Ravishankar Shukla University, Raipur. (C.G.)
6. Prabha Rohatgi, H.R.Singh, Debmitra Sinha (2002): "Tandem Queue Model with blocks applicable to hospital Services." Nov., 17-19, 2002
7. Prabha Rohatgi, H.R.Singh, Soumi Sarkar (2002): "Optimization of waiting time in Bank Services having multiple servrs for mixed type Queue." Nov., 17-19, 2002
8. Prabha Rohatgi, H.R.Singh, Debmitra Sinha (2003): "Tandem Queue Model with three stages and blocking for health Services." Presented in 5<sup>th</sup> International Triennial symposium on probability & Statistics, Colcutta (W.B.) Dec., 28-31, 2003.
9. Prabha Rohatgi (2004): "Application of Queueing model having multiple servers in banking services." Presented in XIth International conference of the forum for interdisciplinary Mathematics SCRA-2004-FIM XI, 27-29 Dec., 2004, Lucknow.
10. Prabha Rohatgi (2005): "Application of Generalised Queueing model with special reference to Banking services". International Conference on Recent development in statistics and their Applications. 3-4 Jan, 2005, TIRUPATI (A.P.)
11. Prabha Rohatgi (2006): Application of Pre-emptive Priority Queueing to health services. 6<sup>th</sup> International conf. on Probability & Statistics Calcutta (W,B.), 29-31 Dec., 2006.
12. Prabha Rohatgi (2008): 'Application of queuing theory to library services', International Conference on Statistics & Applications in or, Management/Life Sciences. Jan., 10-12, 2008, Nagpur.
13. Prabha Rohatgi and Kanti Sahu (2008): "Caste, Class and Gendre in Rural India: The Perspective of Social Changes", Feb 27-29, National Conf. on "Caste, Class and Gendre in Rural India" Pt. R.S. University, Raipur.

14. Prabha Rohatgi (2010): Queueing Analysis of Automatic Teller Machine (ATM) Services in India. International Conference on statistics, Probability, Operations Research, 4-8, Jan., 2010 Vishakhapatnam.
15. Prabha Rohatgi (2010): 'Dynamic Programming Approach for Economic Screening', Accepted for presentation in the ICM Satellite Int. Conf. on Probability and Statistics held from 1-3 Sept. 2010, Sambalpur Univ., Sambalpur , Orissa.

## **Annexure-II**

### **Additional Training:-**

1. Training for computer applications in Industries by NSS, from 06-25 December 1978.
2. Research Investigator for survey on 20 Point Programme by Indian Institute of Mass-Communication, New-Delhi, 1978.
3. Training in FORTRAN Language - 1 week course (Hindustan Computers Ltd, Calcutta), 1982.

### **Invited Lectures:**

1. Prabha Rohatgi (2007): "Role of Statistics in Socio Economic Planning and Policy Formulation", National Sample Survey Organisation, Govt. of India, Ministry of Statistics & P. I., 29th June, 2007.
2. Prabha Rohatgi (2008): "Role of Statistics in Socio Economic Planning and Policy Formulation- Socio Economic Condition of SC/ST in C.G.", National Sample Survey Organisation, Govt. of India, Ministry of Statistics & P. I., 29<sup>th</sup> June, 2008.
3. Prabha Rohatgi (2009): "Testing Hypothesis on Statistics", 3<sup>rd</sup> National workshop on Statistical Application in **Nursing Research**, Govt. Nursing College, 19<sup>th</sup> Feb., 2009, Bhilai.

### **Membership:**

1. **Life Member- JISA, Pune**
2. **Annual Member- Vidarbha Journal of Science, Amravati.**
3. **Life Member- Journal of Human Relations, Jaunpur (U.P)**
4. **Annual Member- Indian Science Congress Association, Kolkata (W.B.)**

### **Social –Work:**

1. Donated Blood under "STATE-OF-THE ART MODEL BLOOD BANK", programme conducted by Dr. B.R. Ambedkar Hospital & Pt. J N M Medical College, Raipur, 21- 8 2007.

2. Demonstrator at the cubical of Pt. R.S. Univ. Raipur, in the Pavilion of Higher Education at the Rajyotsav.
3. Conducted a Survey on "General Awareness about Statistics as a subject among under-graduate students at Bhilai, Durg and Bilaspur, 2007.
4. Survey on Dr. A.P.J. Abdul Kalam Shiksha Gunwata Abhiyan, Chhattisgarh at Govt. Higher Secondary School Tarighat. Dist-Gariyaband Chhattisgarh.

## **Annexure-III**

### **Current Position**

1. **Professor & Head, SoS in Statistics, Pt. Ravishankar Shukla University, Raipur (C.G.)**
2. **Chairman, Department Research degree Committee, Statistics.**
3. **Chairman, Research Degree Committee in Statistics.**
4. **Chairman, Board of Studies in Statistics**
5. **Chairman, Department Purchase Committee**
6. **Chairman, Examination Committee in Statistics**
7. **Member, Library Committee, Pt. Ravishankar Shukla University, Raipur (C.G.)**
8. **Member, Academic Council, Pt. Ravishankar Shukla University, Raipur (C.G.)**
9. **Secretary & Treasurer, Alumni Association, , SoS in Statistics Pt. Ravishankar Shukla University, Raipur (C.G.)**
10. **Expert, Evaluation of proposals for Minor Research Projects, Organization of Workshop/ Seminar/ Conferences in Mathematics & Statistics, 2015-2015, University Grant Commission- Central Region, Bhopal.**