Ramanujan College

FACULTY PROFILE

FIRST NAME	**Dr. Rahul**	**MIDDLE NAME (if any)**		**PHOTOGRAPH (ATTACH BELOW)**
LAST NAME	**Solanki**			
DEPARTMENT	Department of Management			
DESIGNATION	Assistant Professor			
GENDER	Male			
DATE OF BIRTH (DD/MM/YYYY)	08/10/1991			
LANGUAGE PROFICIENCY	English, Hindi			
ADDRESS	B-301, Maharani Aventi Bai Society, Dwarka Sector -22, South West Delhi, Delhi-110077			
MOBILE	**+91 9873738655**			
EMAIL	**rahul.solanki@ramanujan.du.ac.in , solanki.rahul1470@gmail.com**			

EDUCATIONAL QUALIFICATIONS:

DEGREE	INSTITUTION	YEAR
B.Sc. (H) Physics	Hansraj College, University of Delhi, India	2013
M.Sc. (Operational Research)	Department of Operational Research, Faculty of Mathematical Sciences, University of Delhi, India	2016
M.Phil. (Operations Research)	Department of Operational Research, Faculty of Mathematical Sciences, University of Delhi, India	2018

Ph.D. (Operations Research)	Department of Operational Research, Faculty of Mathematical Sciences, University of Delhi, India	January, 2023

CAREER PROFILE: TEACHING EXPERIENCE

- Assistant Professor on Regular Basis at Ramanujan College, University of Delhi, New Delhi, India (from 07/08/2023)
- Assistant Professor (Guest), Department of Management, Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi, India
- Assistant Professor (Guest), Department of Economics, Dyal Singh College (Evening), University of Delhi, New Delhi, India
- Research Assistant, Department of Operational Research, University of Delhi, India

CAREER PROFILE: INDUSTRY EXPERIENCE

N/A

ADMINISTRATIVE ASSIGNMENTS: (List any administrative roles or responsibilities you have held)

- Member of Ramanujan International Journal of Business & Research (RIJBR), Ramanujan College (2024-)
- Member of Alumni Cell, Ramanujan College (2024-)
- Member of Placement and Career Development Cell, Ramanujan College (2024-)
- Member of ICT committee, Ramanujan College (2024-)
- Member of Fee-Concession/Scholarship & Award Committee, Ramanujan College (2024-)
- Member of Tark-The Debating Society, Ramanujan College (2023-2024)
- Member of NSS, Ramanujan College (2023-2024)

AREAS OF INTEREST / SPECIALIZATION: (Highlight your specific areas of interest or fields of specialization within your subject area)

Optimization, Supply chain management, multi-criteria optimization models, Carbon policies implementation, Carbon neutrality, Net-Zero emissions, Circular economy

SUBJECTS TAUGHT: (List all the subjects you have taught)

- Quantitative techniques for management
- Data Analytics using Python
- Supply Chain Management
- Inventory management
- Digital Marketing
- Marketing
- Advanced linear programming
- Mathematics for Computing-I

- ➢ Mathematics for Computing-II
- ➢ Data Structures

COURSE DEVELOPMENT: (Mention any courses you have developed or contributed to designing)

N/A

RESEARCH GUIDANCE: (Provide details on research supervision, indicating the number of doctoral and postgraduate students guided)

Co- supervision of Doctoral thesis (under process): 1

PUBLICATIONS PROFILE: RESEARCH PAPERS (List your published research papers, including the title, journal, and year)

- ➢ **Solanki, R.**, Kannan, D., Darbari, J. D., & Jha, P. C. (**2024**). Identification and analysis of drivers for carbon regulatory environmental policies implementation in manufacturing supply chain: A zero carbon perspective. *Cleaner Logistics and Supply Chain*, *11*, 100150.
- ➢ Kannan, D., **Solanki, R.**, Darbari, J. D., Govindan, K., & Jha, P. C. (**2023**). A novel bi-objective optimization model for an eco-efficient reverse logistics network design configuration. *Journal of Cleaner Production*, *394*, 136357. *SCI-indexed*. *Impact factor,* 11.072.
- ➢ Devika, K., **Solanki, R.**, Kaul, A., & Jha, P. C. (**2022**). Barrier analysis for carbon regulatory environmental policies implementation in manufacturing supply chains to achieve zero carbon. *Journal of Cleaner Production*, 131910. *SCI-indexed*. *Impact factor,* 11.072.
- ➢ Singh, G., Solanki, R., & Jha, P. K. (2023). A Bayesian Approach to Estimate Reliability under Exponential Failure Time Distribution. *IOSR Journal of Mathematics (IOSR-JM),* 19, 2278-5728*.*

PUBLICATIONS PROFILE: BOOK CHAPTERS (List your published book chapters, including the title, publisher, ISBN and year)

- ➢ **Solanki, R.**, & Darbari, J. D. (**2021**). A Multi Objective Reverse Logistics Network Design Model Under Carbon Pricing: An Emerging Economy Perspective. In *Soft Computing for Problem Solving* (pp. 589-601). Springer, Singapore.
- ➢ **Solanki, R.**, Darbari, J. D., Agarwal, V., & Jha, P. C. (**2020**). A fuzzy multi-criteria decision model for analysis of socio-ecological performance key factors of supply chain. In *Soft Computing for Problem Solving* (pp. 671-685). Springer, Singapore.
- ➢ **Solanki, R.**, Jha, P. C., Darbari, J. D., & Agarwal, V (**2019**). An Interpretive Structural Model for Analysing the Impact of Sustainability Driven Supply Chain Strategies. SCOPUS Indexed. *Proceedings of the International Conference on Industrial Engineering and Operations Management*, Volume 2019, Issue MAR, 2019.

PUBLICATIONS PROFILE: OTHERS (Mention any other relevant publications details)

N/A

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

Co-ordinator:

➤ '*NEP Orientation and Sensitization Programme*', organized by Malviya Mission Teacher training Centre (MMTTC), Ramanujan College, University of Delhi, sponsored by University Grant Commission, Malviya Mission for Teacher Training Programme (UGC-MMTTP), from **12th December to 23rd December 2024**.
➤ '*NEP Orientation and Sensitization Programme*', organized by Malviya Mission Teacher training Centre (MMTTC), Ramanujan College, University of Delhi, sponsored by University Grant Commission, Malviya Mission for Teacher Training Programme (UGC-MMTTP), from **30th October to 12th November 2024**.

Member:

➤ '*NEP Orientation and Sensitization Programme*', organized by Malviya Mission Teacher training Centre (MMTTC), Ramanujan College, University of Delhi, sponsored by University Grant Commission, Malviya Mission for Teacher Training Programme (UGC-MMTTP), from **20th November to 29th November 2024**.
➤ '*NEP Orientation and Sensitization Programme*', organized by Malviya Mission Teacher training Centre (MMTTC), Ramanujan College, University of Delhi, sponsored by University Grant Commission, Malviya Mission for Teacher Training Programme (UGC-MMTTP), from **15th October to 24th November 2024**.
➤ '*NEP Orientation and Sensitization Programme*', organized by Malviya Mission Teacher training Centre (MMTTC), Ramanujan College, University of Delhi, sponsored by University Grant Commission, Malviya Mission for Teacher Training Programme (UGC-MMTTP), from **30th September to 10th October 2024**.

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

N/A

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- *SERB* sponsored **workshop** under Scientific Social Responsibility scheme (SSR) on 'Recent Advancements in Mathematical Sciences, RAMS 2024', organized by Department of Mathemantics, Atma Ram Sanatan Dharma (ARSD) College, University of Delhi, 5th – 6th February, 2024.
- **Induction Program,** titled '*NEP 2020: Pedagogical Imperatives of Higher Education*", organized by University of Delhi, 1st December 2023.
- *Refresher Course,* titled "*Shrimad Bhagvad Gita: Enlightenment and Relevance*", organized by Bharatam, Teacher learning centre (TLC), Ramanujan College, University of Delhi, from 22nd December 2023 - 10th January, 2024.

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

Paper presentations in international/national conferences:

- International Conference on Business analytics and Intelligence (*ICBAI-2021, IISC Bangalore*), paper entitled "Analysis of carbon regulatory policies inhibitors in manufacturing supply chain: Insights from an Indian case study".
- Indo-French seminar on Optimization, Variational Analysis and Applications (*Department of Mathematics, BHU, Varanasi, India, February 2020*), paper entitled "Supply chain network design under carbon tax policy scheme: A developing nation case study".
- The ninth annual international conference on 'Industrial Engineering and Operations Management' (*IEOM-2019, Bangkok*), paper entitled "An Interpretive Structural Model for Analyzing the Impact of Sustainability Driven Supply Chain Strategies".
- International conference on Operations Research (*EISOR-2018, MDU Rohtak*), paper entitled: "*Application of Fuzzy-VIKOR for Strategic Supplier Selection in Sustainable Supply Chain*"
- International conference on business analytics (*ICBAI- 2018, IISC Bangalore*), paper entitled titled: "*An Integrated Supplier Selection Decision Model for Minimizing the Sustainability Related Supply Chain Risks*".
- National Seminar on '*Environmental Sustainability and Conservation: Issues and Challenges in 21st century*', paper entitled "Stakeholders Framework for Analyzing Relationship Between Sustainability Metrics of Supply Chain".
- '*Mathematical Sciences and Scientific Computing for Industrial Development* (*MSSCID-2017*, *Manipal University, Jaipur*)', paper entitled "DEMATEL Approach for Assessment of Social Sustainability Factors Affecting Closed Loop Supply Chain".
- '*International Conference on Business Analytics and Intelligence*', (*ICBAI-2017*, *IIM Bangalore*), paper entitled "Multi-Criteria Decision-Making Modeling for Sustainability Performance Evaluation of Automobile Industry".
- International conference on '*Recent Trends in Operational Research and Statistics*' (*RTORS-2017, IIT Roorkee*), paper entitled "Adoption of Sustainability Practices in Supply chain: A Multi-Criteria Analysis".

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

N/A

AWARDS AND DISTINCTIONS:
N/A

ASSOCIATION WITH PROFESSIONAL BODIES:

Society memberships:

- Operational Research Society of India
- Soft Computing Research Society
- Industrial Engineering and Operations Research Society International

OTHER ACTIVITIES: (Include any additional relevant activities or contributions not covered in the above sections.)

Certifications and other Faculty Development Programs:

- Faculty development program on 'Biostatistical & Mathematical Skills with Excel and R', Ministry of Education, government of India (16 – 31st August, 2021).
- Workshop on 'New Trends in Fuzzy Set Theory and its Application (FRSTA-2020)', Manipal University Jaipur (25-29 September, 2020)
- Faculty development program on 'Multi Criteria Decision Making Technique and Applications', Calcutta business school (24 August – 4 September, 2020)
- **Data Analytics Certification, IIM-Rohtak** (July-October, 2019).
- Faculty Development Program in Swamp Evolutionary Computation, South Asian University (25-25 November, 2018).
- Faculty Development Program on Data Analytics Using R-Environment, Satyawati College, University of Delhi (25-26 August 2017).