


Ramanujan College

FACULTY PROFILE

FIRST NAME	DR. NEHA	MIDDLE NAME (if any)		PHOTOGRAPH (ATTACH BELOW) 
LAST NAME				
DEPARTMENT	DEPARTMENT OF MANAGEMENT STUDIES			
DESIGNATION	ASSISTANT PROFESSOR			
GENDER	FEMALE			
DATE OF BIRTH (DD/MM/YYYY)	28/12/1992			
LANGUAGE PROFICIENCY	HINDI, ENGLISH			
ADDRESS	DEPARTMENT OF MANAGEMENT STUDIES, RAMANUJAN COLLEGE, CR PARK MAIN ROAD, UNIVERSITY OF DELHI BLOCK H, KALKAJI, NEW DELHI-110019			
EMAIL	neha@ramanujan.du.ac.in			
EDUCATIONAL QUALIFICATIONS:				
DEGREE	INSTITUTION		YEAR	
Ph.D.	DEPARTMENT OF OPERATIONAL RESEARCH, UNIVERSITY OF DELHI		2024	
M.Phil.	DEPARTMENT OF OPERATIONAL RESEARCH, UNIVERSITY OF DELHI		2017	
M.Sc.	DEPARTMENT OF OPERATIONAL RESEARCH, UNIVERSITY OF DELHI		2015	
B.Sc.	C.C.S. UNIVERSITY		2012	

CAREER PROFILE: TEACHING EXPERIENCE

- Currently working as Assistant Professor on Regular Basis in Ramanujan College, University of Delhi, G-18B, CR Park Main Rd, Block H, Kalkaji, New Delhi, Delhi 110019 from 2023.
- Guest lecturer at Department of Management Studies (MBA), School of Open Learning, University of Delhi. (Feb 2024-May 2024)
- Guest lecturer at IILM, Lodhi Industrial Area, Lodhi Road. from Feb-2022-May-2022.

CAREER PROFILE: INDUSTRY EXPERIENCE

- INTERN AT OIL AND NATURAL GAS CORPORATION LTD (ONGC) in 2014.
- INDUSTRIAL PROJECT ON “*ANALYSES OF CONSUMER BEHAVIOR TOWARDS CAB SERVICES*” FOR METROCITY CABS in 2015.

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

- Member, ENACTUS society, Ramanujan College, University of Delhi, New Delhi. (3-12-2024-PRESENT)
- Member, Examination Committee, Ramanujan College, University of Delhi, New Delhi. (06-11-2024-PRESENT)
- Member, Magazine, Annual Report, Prospectus and Handbook Committee, Ramanujan College, University of Delhi, New Delhi. (2024-PRESENT)
- Member, Canteen Committee, Ramanujan College, University of Delhi, New Delhi. (2024-PRESENT)
- Member, DNA Dance Committee, Ramanujan College, University of Delhi, New Delhi. (2024-PRESENT)
- Member, Cultural Committee, Ramanujan College, University of Delhi, New Delhi. (2023 – 2024)
- Member, Organizing Committee, Josh 2024, Annual Cultural Festival of Ramanujan College, organized by the Cultural Committee and Students’ Union Advisory Committee, held on February 1-2, 2024.

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

Operational Research, Marketing Management, Machine Learning, Online Marketing, Software Reliability, Multi-Criteria-Decision-Making-Technique (MCDM), Data Envelopment Analysis (DEA), Mathematical Programming, Text Analytics, Business Statistics, Modelling, Soft Computing techniques, Software Reliability and Marketing Management,

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

- Operations Management
- Software Modelling
- Management Information System

- Business Statistics
- Business Analytics using Python
- Econometrics
- Digital Marketing
- Digital Empowerment
- Business Intelligence and Data Visualization
- Programming Using Python
- Python Programming (Junior Data Associate)
- Computer Applications in Business
- Geographical Information Systems,
- System Optimization and Management Science
- Marketing Research.

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

NA

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

NA

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

- **Neha**, N., Tandon, A., Kaur, G., & Aggarwal, A. G. (2024). Synergic impact of development cost and slippage cost on software delivery time. *International Journal of System Assurance Engineering and Management*, 745–757 (2024). <https://doi.org/10.1007/s13198-022-01850-8> (SCOPUS)
- **Neha**, Tandon, A. & Aggarwal, A. G. (2023). Impact of slippage cost and risk cost on software development under imperfect debugging environment. *International Journal of Operational Research*. (Accepted) (SCOPUS)
- **Neha**, Tandon, A. & Aggarwal, A. G. A unified testing coverage based SRGM from the perspective of multi-release. *International Journal of Statistics and Reliability Engineering (IJSRE)*. VOL 10(3).
- Tandon, A., **Neha** & Gurjeet Kaur (2022). Release Planning Problem with Testing Coverage and Fault Reduction Factor under Imperfect Debugging. *Advances in Mathematical Sciences and Applications*, Vol. 31, no. 1. (SCOPUS)
- Tandon, A., **Neha** & Aggarwal, A. G. (2020). Testing Coverage based Reliability Modeling for Multi-Release Open-Source Software incorporating Fault Reduction Factor. *Life Cycle Reliability and Safety Engineering*, 9(4), 425-435. (SCOPUS)

- Tandon, A., **Neha**, Aggarwal, A. G., & Jaiswal, A. (2020). Reliability Assessment of Software System Using IFS and OWA-Tree Analysis. *International Journal of Reliability, Quality and Safety Engineering*, 27(05), 2040013. <https://doi.org/10.1142/S0218539320400136>. (SCOPUS)
- **Neha**, Verma, V., Tandon, A., & Aggarwal, A. G. (2021). Software reliability allocation incorporating Pythagorean fuzzy theory and AHP. *International Journal of Industrial and Systems Engineering*, 38(1), 19-34. (SCOPUS)

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

- **Neha**, Kaur, G., & Jindal, V. (2022). Release Planning Analysis Through Testing Coverage and Fault Reduction Factor Based Models with Change Point Perspective. In *Optimization Models in Software Reliability* (pp. 83-110). Springer, Cham.
- **Neha**, Aggarwal, A. G., & Jaiswal, A. (2022). Multi-objective Release Time Problem for Modular Software using Fuzzy Analytical Hierarchy Process. In *Optimization Models in Software Reliability* (pp. 159-191). Springer, Cham.
- Verma, V., **Neha**, N., & Aggarwal, A. G. (2020). Software Release Planning Using Grey Wolf Optimizer. In *Soft Computing Methods for System Dependability* (pp. 1-44). IGI Global.
- Verma, V., **Neha**, N., & Aggarwal, A. G. (2020). Applications of Machine Learning for Software Management. In *Handbook of Research on Emerging Trends and Applications of Machine Learning* (pp. 130-156). IGI Global.

Content Written

Chapter-“Strategic Technology Management for Innovation and Portfolio Excellence”.

Subject- Technology Innovation and New Product Management.

Course- MBA

Institute- Department of Department of Management Studies, School of Open Learning, University of Delhi.

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

NA

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

- Member, NEP: ORIENTATION & SENSITIZATIONPROGRAMME Under the Aegis of UGC-MMTTP organized by Ramanujan College, University of Delhi. (December 18, 2024- December 28, 2024)
- Member, NEP: ORIENTATION & SENSITIZATIONPROGRAMME Under the Aegis of UGC-MMTTP organized by Ramanujan College, University of Delhi. (October 30, 2024- November 12, 2024)

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

NA

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- Successfully completed one week FDP on Design Thinking and Innovation Organized by Udhmodaya Foundation, University of Delhi and Institute of Eminence from 11 September 2023- 18 September 2023.
- Attended National Workshop on Brain Balancing and Hypnosis organized by Ramanujan College, University of Delhi on 13 October 2023.
- Attended workshop on Unlocking the Potential of AI in Teaching pedagogy organised by Jaipuria Institute of Management, Noida, India. 2023
- Attended two days workshop on National Workshop on the Relevance of Bharatiya Gyan Parampara in Management Department of Commerce in collaboration with Teaching Learning Centre (TLC), Ramanujan College, University of Delhi from 7 November 2023- 8 November 2023.
- Attended workshop on Faculty Induction Program on NEP2020: Pedagogical Imperatives of Higher Education organized by university of Delhi on 1 December 2023.
- Successfully Completed a two-week Refresher Course in Shrimad Bhagavad Gita: Enlightenment and Relevance organised by BHĀRATAM Bhārtiya Gyān Paramparā: Adhyayan, Adhyāpan Evam Anusāndhān Kendra from 22 December 2023 to 10 January 2024.
- Successfully completed Faculty Induction Programme (FIP) Guru Dakshita (16/12/2024 to 14/01/2025) organized by MMTTC Ramanujan college, University of Delhi.

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

- **Neha**, Tandon A., Kaur G.; & Kapur P.K. (2023). Modelling Software Reliability Growth incorporating Testing Coverage Function and Fault Reduction Factor. Presented at 2nd International Conference on Recent Trends in Engineering, Technology and Business Management (ICRTETBM 2023) (Sustainability, Digitization and Business Operations) held on Feb 22, 2023, Amity University, Noida, India.
- **Neha**, Abhishek Tandon & Anu Gupta Aggarwal (2022). A Unified approach for Testing Coverage based Software Reliability Growth Modelling with insights of Multi-Release. Presented at 5th international conference on "Recent Advances in Mathematical Sciences with Applications in Engineering and Technology" held in Jawaharlal Nehru University, Delhi, India.
- **Neha**, Jaiswal A. & Tandon A. (2020). Object Oriented Fault Prediction Analysis Using Machine Learning Algorithms. Presented at 1st International Conference on Data Science, Machine Learning and Applications (ICDSMLA, 2019) held in Hyderabad, India.

- **Neha**, Aggarwal A.G. & Tandon A. (2018), A New Approach for Software Reliability Assessment incorporating Intuitionistic Fuzzy Set and OWA Tree. Presented at 1st International Conference on Emerging Trends in Inventory, Supply Chain & Reliability Modeling (ETISCRM, 2018) held in University of Delhi, Delhi, India.
- **Neha**, Tandon A. & Aggarwal A.G. (2018). An Approach to Reliability Allocation for Software using a Pythagorean Fuzzy Analytical Hierarchy Process. Presented at 9th International Conference on Quality, Reliability, Infocom Technology and Business Operations (ICQRIT, 2018) held in University of Delhi, Delhi, India.
- Gandhi, N., **Neha**, Aggarwal, A. G., & Tandon, A. (2017, September). Estimating reliability for OSS: An approach with change-point in operational phase. In 2017 6th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO) (pp. 248-253). IEEE.
- Gandhi, N., **Neha**., & Tandon, A. (2017). Reliability Modeling of OSS Systems based on Innovation-Diffusion Theory and Imperfect Debugging. In *ICITKM* (pp. 53-58).

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

NA

AWARDS AND DISTINCTIONS:

UGC-NET 2019

ASSOCIATION WITH PROFESSIONAL BODIES:

NA

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

- Attended a Management Development Program (MDP) on Strategic Framework to Analyze Supply Chain Through Artificial Intelligence and Machine Learning organized by IMS Ghaziabad on January 08, 2022.
- Successfully completed two weeks online training course on "Python Programming " jointly organized by Electronics and ICT Academies (IIT Kanpur, IIT Guwahati, MNIT Jaipur, NIT Patna, IIT Roorkee, NIT Warangal and PDPM IITDM Jabalpur) from July 26 – August 06, 2021 supported by Ministry of Electronics and Information Technology (MeitY), Government of India.
- Participated in an International Webinar on Artificial Intelligence: Societal Implications of Thinking Machines Organized by Bhaskaracharya College of Applied Sciences, University of Delhi held on June 22, 2020.