

CURRICULUM VITAE



Orcid Id	0000-0002-1867-9723
Scopus Id	57213969931
Researcher Id	FWH-4929-2022
Google Scholar Id	https://scholar.google.com/citations?hl=en&tzom=-330&user=J2gusigAAAAJ
Research Gate Profile	https://www.researchgate.net/profile/Rashmi-Singh-23
Linked-in Profile	https://in.linkedin.com/in/dr-rashmi-singh-b9a7335b

Dr. RASHMI SINGH

Assistant Professor (Operations & Analytics)
D-23, Old D quarter, IIT (ISM) Dhanbad,

Phone: +91 9590399698

Email id: rashmis@iitism.ac.in

Dr. Rashmi Singh is an Assistant Professor at IIT (ISM) Dhanbad specializing in **Operations Research, Simulation Modelling**, Optimization, Artificial Intelligence, **Systemic Cyber Risk**, Financial Network Resilience, **Decision Support Systems**, Entrepreneurship, and Sustainable Development.

Key achievements include

- Selected Journals: *Reliability Engineering & System Safety, Management Decision, Social Indicators Research*, International Journal of System Assurance Engineering & Management, International Journal of Advanced Manufacturing Technology, IEEE Transactions on Semiconductor Manufacturing, Journal of International Entrepreneurship, and Journal of Simulation etc.
- **₹4+ Crores research funding** mobilized from national agencies including NCSTC, SEED, DST, Ministry of Tribal Affairs, ICSSR, Coal India Limited, and BCCL; Principal Investigator (PI) of 9 sponsored projects and Co-PI of 2 major projects.
- Consultancy projects worth **₹44.6 Lakhs**.
- Executive education programmes **generating ₹1.5+ Crores**.
- 12 journal publications including Web of Science WoS: Q1 (3) and Q2 (4) journals.
- Research and outreach impact on **9,000+ students, 400+ tribal beneficiaries, and 60+ women entrepreneurs**.

Research Areas

- Simulation Modelling and Decision Support Systems
- Systemic Cyber Risk and Financial Networks
- Operations Research & Modelling
- Artificial Intelligence Applications
- Entrepreneurship and MSME Development
- Sustainable Development

Academic Qualification

- **Doctor of Philosophy (PhD):** Indian Institute of Science (IISc), Bangalore from Faculty of Engineering (2017).
- **Master of Science in Engineering (MSc. (Engg)):** Indian Institute of Science (IISc), Bangalore from Faculty of Engineering with CGPA: 6.4/8.0 or 80%.
- **Bachelor of Engineering (Electronics & Communication):** Birla Institute of Technology (BIT) Mesra Ranchi (2009) (Marks: 86%).

Doctoral Research Details

Research Area: Scheduling in Semiconductor Manufacturing Industries.

Title: Investigation of Existing Release Policies & Development of a Few Efficient Release Policies for Wafer Fabrication System – **A Simulation Approach.**

Advisor: Prof. M. Mathirajan

Selected Awards and Recognition

- Women Achiever of the Year 2023
- Best Student Paper Award – ORSI
- ANRF Conference Grant Awardee
- SERB International Travel Support (twice)
- Recipient of MHRD Doctoral Scholarship
- NCSTC Project Rated "Excellent"

Career Highlights

- Research funding mobilized: **₹4+ Crores** (Sponsored Agencies: NCSTC, SEED, SERB, DST, GOI, Ministry of Tribal Affairs (MOTA), ICSSR, BCCL, CIL etc; Principal Investigator (PI) of **9 sponsored projects** (Rs. 3.5 Crore +), and Co-Principal Investigator (Co-PI) of **2 major funded projects** (Rs. 53 Lakhs +)
- **Consultancy as PI:** Jindal Power Limited (JPL), Rs. 44.6 Lakhs
- **Executive Development Program: Rs. 1.5 Crore +** (Delivered executive development programmes successfully for NHPC, SECL, CCL, BCCL and Government of Jharkhand)
- **Total Articles** Published in leading journals including: 12 Articles; WoS: Q1: 3, Q2: 4, and Q3: 4, & one book chapter in springer).
- Guided **1 PhD completed, 4 PhD scholars ongoing**; M. Tech Supervision: 14 Completed & 2 Ongoing; MBA: 2, MBA (BA): 8, & Ex-MBA: 1 Completed
- Organized international conference and multiple national capacity-building programmes

International Academic Engagement

- IFORS 2023, Chile
- APORS 2022, Manila
- MISTA 2015, Prague
- ISMI 2015, South Korea
- IEEE IEEM 2014, Malaysia

Academic Service

- ❖ **Journal Reviewer**
- Harvard Business Publishing

- International Journal of Production Research
- Annals of Operations Research
- Computers & Industrial Engineering
- Simulation
- International Journal of Industrial and Systems Engineering

❖ **Conference Roles**

- Session Chair, APORS 2022
- Convener, ICDTBESDVB 2025

Academic Leadership

- Executive MBA Co-Coordinator
- DUGC Convener
- Senate Member
- Chief Warden
- Faculty Coordinator (International Relations)
- PIC Guest House
- Training & Placement Faculty Coordinator

Societal Impact

- Digital capacity building of tribal communities: Secured ₹1.92 Crore funding from the Ministry of Tribal Affairs.
- Designed and implemented entrepreneurship and livelihood development initiatives for tribal women through CSR-supported interventions (**60+ women entrepreneurs**).
- Led STEM outreach initiatives: Promoted STEM education through innovative techniques: a logical, digital and experimental approach among underprivileged impacting over 9,000 government school students in mining-affected regions.
- Designed DST-supported interventions for improving economic well-being of Scheduled Tribe communities (**400+ tribal communities**).
- Supported policy-oriented research in entrepreneurship, MSMEs, digital transformation and sustainable development.

List of Publications in Reputed Journal

Authors	Title	Journal	Vol.	Issue	Page No.	Year	DOI
Santanu Mondal & Rashmi Singh	Enhancing Cyber Resilience in Financial Networks: A High uncertainty Simulation Tool for Probabilistic Risk Assessment and Strategic Resource Allocation	<i>Reliability Engineering & System Safety</i> (WoS JCR Q1)				2026	10.1016/j.res.s.2026.112961
Deependra Pal, Rashmi Singh & Niladri Das	Adaptive Entrepreneurial Logics and Rural Enterprise Performance: Role of	<i>Management Decision</i> (WoS JCR Q1)				2026	10.1108/MD-11-2025-3409

	Dynamic Capabilities and Digital Technology Adoption						
Santanu Mondal & Rashmi Singh	Cyber risk propagation and budget optimization in financial networks: a Monte Carlo approach	<i>International Journal of System Assurance Engineering & Management</i> (WoS JCR Q2)			1-20	2025	https://doi.org/10.1007/s13198-025-03050-6
Sumita Biswas, Rashmi Singh & Niladri Das	Assessing the Impact of ESG Initiatives on Financial Performance in the Energy Sector from Developing Countries: Efficiency Analysis and Productivity Growth by Data Envelopment Analysis and Malmquist Index	<i>Data Analytics for Decision Making towards Business Excellence. Uncertainty and Operations Research. Springer, Singapore.</i> (Book Chapter)			241-280	2025	https://doi.org/10.1007/978-981-95-2429-7_10
Deependra Pal, Rashmi Singh & Niladri Das	Entrepreneurship and MSMEs' financial performance: A bibliometric analysis and future research avenues	<i>Journal of International Entrepreneurship</i> (WoS JCR Q2)			1-58	2025	https://doi.org/10.1007/s10843-025-00399-4
Madhu Kumari, Rashmi Singh & V.B. Singh	Prioritization of Software Bugs Using Entropy-Based Measures” in “Journal of Software: Evolution and Process	<i>Journal of Software: Evolution and Process</i> (WoS JCR Q3)	37	2	1-20	2024	https://doi.org/10.1002/sm.r.2742
Sumita Biswas, Rashmi Singh & Niladri Das	A new paradigm for assessing the relationship between indigenous wellbeing and health: A meta-analytical study of critical factors in a global context	<i>Social Indicators Research</i> (WoS JCR Q1)	176		257-286	2024	https://doi.org/10.1007/s11205-024-03446-0
Abhinav Karthikeyan Ravichandran & Rashmi Singh	Investigating the potential domino effect of a dazzling fiscal-period on CSR performance: a luxury brand scenario	<i>International Journal of Corporate Social Responsibility</i> (Springer)	9	13		2024	https://doi.org/10.1186/s40991-024-00092-0
Rashmi Singh & M Mathirajan	Simulation modeling techniques for managing epidemic outbreak: a review,	<i>Journal of Simulation</i>	17	6	709-728	2023	10.1080/17477778.2022.2067012

	classification schemes, and meta-analysis	(WoS JCR Q3)					
Rashmi Singh & M Mathirajan	A New Stage-Wise Control Release Policy for Semiconductor Wafer Fabrication Systems	<i>IEEE Transactions on Semiconductor Manufacturing</i> (WoS JCR Q3)	34	1	115-134	2021	10.1109/TSM.2020.3042856
Rashmi Singh & M Mathirajan	Investigation of Different Inputs and A New Release Policy in Proposed Simulation Model for Wafer Fabrication System	<i>Sadhana-Academy Proceedings in Engineering Sciences</i> (WoS JCR Q2)	44	2	41(1-19)	2019	https://www.iias.ac.in/article/fulltext/sadh/044/02/0041
Rashmi Singh & M Mathirajan	Experimental Investigation for Performance Assessment of Scheduling Policies in Semiconductor Wafer Fabrication – A Simulation Approach	<i>International Journal of Advanced Manufacturing Technology</i> (WoS JCR Q2)	99	5-8	1503-1520	2018	https://link.springer.com/article/10.1007/s00170-018-2414-y
Mahamaya Mohanty, Rashmi Singh and Ravi Shankar	Improving the Operational Efficiency of Outbound Retail Logistics Using Clustering of Retailers and Consumers	<i>Journal of Modelling in Management</i> (WoS JCR Q3)	13	3	646-674	2018	https://doi.org/10.1108/JM-2-12-2016-0137

Details of Sponsored Research Funding Received as Principal Investigator

1. **Principal Investigator (PI):** “Promoting STEM Education for Underprivileged and Project Affected Person (PAP) students of BCCL areas in Dhanbad through Innovative Techniques: A logical, Digital, and Experimental Approach for Learning” funded by the **Bharat Coking Coal Limited (BCCL)** for one year (**10th February 2026 – 10th February 2027**) with the amount of **Rs. 33,13,200** & status: **Ongoing**. Project Id: **SRDP 1265 I**.
2. **Principal Investigator (PI):** “Development of Strategic Interventions through Innovative Techniques to Promote STEM Education among underprivileged students with special emphasis on PAP (Project Affected Person) students in Dhanbad” funded by the **Bharat Coking Coal Limited (BCCL)** for six months (**20th August 2024 – 20th February 2025**) with the amount of **Rs. 9,99,900** & status: **Completed**. Project Id: **BCCL/2024-2025/1117/MSIE**.
3. **Principal Investigator (PI):** “Capacity Building Training Programme on Basic Level and Advanced Level Information Technology and Computer Training for Tribals in Jharkhand” under **Center of Excellence (CoE) Scheme** funded by the **Ministry of Tribal Affairs (MOTA)** for four years (**28th March 2024 – 28th March 2028**) with the amount of **Rs. 1,92, 47,184 Lakhs (1.92 Crore)** & status: **Ongoing**. Project Id: **MOTA (CoE)/2023-24/04/MSIE-01**.

4. “High-End Workshop on Stochastic Modeling Technique” under **Accelerate Vigyan Scheme** announced by the **Science and Engineering Research Board (SERB), DST, GoI.** Approved by the funding agency (SERB) for three months (**December 2022 - February 2023**) with the amount of **Rs. 5 Lakhs** & status: **Completed.** Project Id: **DST (SERB) (WORKSHOP)/2022-2023/18/MS.**
5. “Improving the Economic Well-Being of Scheduled Tribe Communities (ST) Using Game Theoretic and Operations Research Techniques in Jamtara District of Jharkhand State”, under the **Science Technology & Innovation Hubs for the development of SC/ST communities** from **Science for Equity Empowerment and Development (SEED) Division of Department of Science & Technology, GoI.** Approved by the funding agency (SEED), DST, GoI., for three years (**22nd February 2022-21st August 2025**) with the sanctioned amount of **Rs. 60.75 Lakhs** & status: **Completed.** Project Id: **DST (SEED) (317)/2021-2022/869/MS.**
6. “Motivate School Students and Teachers Concerning the Relevance of Science and Technology through Innovative Communication Techniques” under the **STEM scheme** of the **National Council for Science and Technology Communication (NCSTC).** Approved by the funding agency (NCSTC), DST, GoI., for two years (**March 2022-March 2024**) with the sanctioned amount of **Rs. 18.82 Lakhs** & status: **Completed.** Project Id: **DST (NCSTC) (323)/2021-2022/878/MS.**
7. “Development of Strategic Interventions through Communication and Science Media for Enforcing Sustainable and Healthy Lifestyles among School Children, Teachers and Women” under the **YASH scheme** of the **National Council for Science and Technology Communication (NCSTC).** Approved by the funding agency (NCSTC), DST, and GoI., for one year (**December 2020-December 2021**) with the sanctioned amount of **Rs. 13.27 Lakhs** & status: **Completed.** Project Id: **DST (NCSTC) (279)/2020-2021/768/MS.**
8. “High-End Workshop for Enriching the Minds of the Young Talented Researchers and Students with The Data Science and Analytical Tools and Techniques” under **Accelerate Vigyan Scheme** announced by the **Science and Engineering Research Board (SERB), DST, GoI.** Approved by the funding agency (SERB) for two months (**May 2021-July 2021**) with the amount of **Rs. 5 Lakhs** & status: **Completed.** Project Id: **DST (SERB) (288)/2021-2022/797/MS.**
9. “Investigation of Status Quo of Digital Manufacturing in India and Exploration of Digital Shop Floor System with Big Data Analytics,” Under **Faculty Research Grant** from the **Indian Institute of Technology (ISM) Dhanbad.** Approved by IIT(ISM) Dhanbad with the sanctioned amount of **Rs. 8.5 lakhs (December 2020-December 2023)** & status: **Completed.** Project Id: **FRS (144)/2020-2021/MS.**

Details of Sponsored Research Funding Received as Co-Principal Investigator

1. “Designing and delivering Capacity Building Programme for High Quality Millet Cultivation to empower Tribal Women Entrepreneurs in West Bengal creating digital marketing platform for effective delivery through IIT-ISM Dhanbad under CSR” Sanctioned by **Coal India Limited (CIL), funded for two years (20th January 2025-20th January 2027)** with the sanctioned amount of **Rs. 39.85 Lakhs** & status: **Ongoing.** Project Id: **SRDP1167I.**

2. “Factors Affecting Transformational Rural Development and Enhanced Employment Opportunities through Sustainable Entrepreneurial Ventures in Rural areas of Eastern India” **Sanctioned by Indian Council of Social Science and Research (ICSSR)**, Ministry of Education, **GoI.**, for two years (**20th March 2023-12th June 2025**) with the sanctioned amount of **Rs. 13.67 Lakhs** & status: **Completed**. Project Id: **ICSSR (9)/2023-2024/1002/MSIE**.

Consultancy (As Consultant Incharge)

- Consultant In-charge of Consultancy Project titled as “**Conducting Social Impact Assessment Study for 14 Villages Under Gare Palma Sector-1 Coal Mines**” for **Jindal Power Limited (JPL)** **12th November 2024-12th February 2025**, Raigarh. (Value: **Rs. 44,60,400**; Cons No.: **CONS/7371/2024-2025**; & status: **Completed**)

Professional Development Programs (As Consultant In-charge/Co- Consultant In-charge)

1. **Co-Consultant In-charge (CI)** of Professional Development Programme on “**Working Capital Management in Power Projects**” for Executives of **NHPC** from **18th – 20th February 2026** at **IIT(ISM), Dhanbad**. (Value: **Rs.9,44,000**; EDP No.: **OCEP 0021 E**).
2. Consultant In-charge of Professional Development Programme on “**EDP on Project & Financial Management and Simulation Software for Executives of SECL**” for Executives of **SECL** from **27th -31st January 2026** at **SECL, Bilaspur**. (Value: **Rs.12,39,000**; EDP No.: **OCEP 0060 E**).
3. **Co-Consultant In-charge (CI)** Professional Development Programme on “**MDP on 5-day Leadership & Management Development Programme for Elected Representatives and Functionaries of the DoPR, Govt. of Jharkhand**” for Elected Representatives and Functionaries of the **DoPR, Govt. of Jharkhand** from **10th-14th, 17th-21st, and 24th-28th November 2025**. (Value: **Rs.37,50,000**; EDP No.: **OCEP 0042 E**).
4. Consultant In-charge of Professional Development Programme on “**EDP on Project & Financial Management with MS Project Management and Simulation Software for Executives of SECL**” for Executives of **SECL** from **2nd-6th June 2025** at **SECL, Bilaspur**. (Value: **Rs.12,39,000**; EDP No.: **CONS 7470 E**).
5. **Co-Consultant In-charge (CI)** Professional Development Programme on “**EDP on Project & Financial Management with MS Project Management and Simulation Software for Executives of NCL Singrauli**” for Executives of **NCL Singrauli** from **19th-23rd May 2025** at **NCL, Singrauli**. (Value: **Rs.12,39,000**; EDP No.: **CONS 7473 E**).
6. Consultant In-charge of Professional Development Programme on “**EDP on Project & Financial Management with MS Project Management and Simulation Software for Executives of SECL**” for Executives of **SECL** from **6-10 January 2025** at **SECL, Bilaspur**. (Value: **Rs.12,39,000**; EDP No.: **CONS 7393 E**).
7. Consultant In-charge of Professional Development Programme on “**Certificate Program on Project and Financial Management with Project Management and Simulation Software for Executives of CCL**” for Executives of **CCL** from **3-7 September 2024** at **CCL, Ranchi**. (Value: **Rs.10,62,000**; EDP No.: **CONS 7301 E**).

8. **Co-Consultant In-charge (CI)** of Professional Development Programme on “**Working Capital Management in Power Projects**” for Executives of NHPC from **28-30 August 2024** at IIT(ISM), Dhanbad. (Value: Rs.9,44,000; EDP No.: CONS 7295 E).
9. Consultant In-charge of Professional Development Programme on “**EDP on Project & Financial Management with Project Management and Simulation Software for Executives of SECL**” for Executives of SECL from **5-9 August 2024** at SECL, Bilaspur. (Value: Rs.14,16,000; EDP No.: EDP/7283/2024-2025).
10. **Co-Consultant In-charge (CI)** of Professional Development Programme on “**Project and Financial Management with Project Management and Simulation Software for Executives of BCCL**” for Executives of BCCL from **6-10 May 2024** at IIT(ISM), Dhanbad. (Value: Rs.6,49,000; EDP No.: EDP/7232/2024-25).
11. Consultant In-charge of Professional Development Programme on “**Certificate Programme on Project and Financial Management with Application Software**” for Executives of SECL from **24-28 July 2023** at SECL, Bilaspur. (Value: Rs.14,16,000; EDP No.: EDP/7098/2023-24).
12. Consultant In-charge of Professional Development Programme on “**Certificate Programme on Project and Financial Management with Application Software**” for Executives of SECL from **22-26 May 2023** at IIT(ISM), Dhanbad. (Value: Rs.14,16,000; EDP No.: EDP/7066/2022-23).

Thesis/Project Guidance

Ph.D. student Thesis –

Guide for research scholar: Dr. Santanu Mondal (22DR0212) who had submitted his Ph.D. thesis entitled as “**Development of an Integrated Stochastic Optimization Models and AI-Driven Framework for Systemic Cyber Risk Management in Interdependent Financial Networks**” in partial fulfilment of the requirement for award of degree Doctor of Philosophy at IIT (ISM) Dhanbad and successfully **defended his thesis** on 18th May 2026.

Co-Guide for research scholar: Dr. Surajit Dey (12DR1031) who had submitted his Ph.D. thesis entitled as “**Development of Decision Support System for Operational Scheduling of Major Earth Moving Equipment in an Opencast Coal Mine**”, in partial fulfilment of the requirement for award of degree Doctor of Philosophy at IIT (ISM) Dhanbad and successfully **defended his thesis** on 23rd July 2021.

- **Current Ph.D. scholar-**

1. Mrs. Romi (**Regn. No.: 22DR0193**), a full-time research scholar from the Department of Management Studies & Industrial Engineering.
2. Mr. Abhishek Kumar Tarun (**Regn. No.: 23DR0002**), a full-time research scholar from the Department of Management Studies & Industrial Engineering.
3. Mrs. Sumita Biswas (**Regn. No.: 23DR0331**), a full-time research scholar from the Department of Management Studies & Industrial Engineering.

4. Mr. Sachin Kumar Singh (**Regn. No.: 23DP0086**), a part-time research scholar from the Department of Management Studies & Industrial Engineering.
 Guided fourteen M. Tech students and three M. Tech students are in the process of completing their master's dissertation.
 Guided two MBA, eight MBA (BA), and one Ex-MBA students for their Project Work

Details of International Conference & Paper Presentation

Author's	Title	Conference	Year	Venue & Date
Sambuddha Maitra, Rashmi Singh, & Pragya Bajpai	Facilitating Human Capital Quality Control in Service Industry: A Case Study on Urban Company using Automated Query Systems, Visual Tracker Enabled Dashboards and Spreadsheet-based Communication Tools	<i>23rd Conference of the International Federation of Operations Research Societies (IFORS 2023)</i>	2023	Santiago - Chile (July 10-14, 2023)
Pragya Bajpai and Rashmi Singh	Optimize the Idle Freight for Flat Products Via Rail Network: Case Study in Steel Industry	<i>13th Conference of the Association of Asia Pacific Operations Research Societies (APORS 2022)</i>	2022	Eastwood Richmonde Hotel, Quezon City, Manila (November 9 - 12, 2022)
Rashmi Singh and M Mathirajan	A Simulation Study for Assessing the Impact of Release Policies, Dispatching Rules and System Factors in Semiconductor Wafer Fabrication	<i>Fourth International Conference on Business Analytics and Intelligence (ICBAI 2016)</i>	2016	Indian Institute of Science, Bangalore, India (19-21, Dec. 2016).
Rashmi Singh and M Mathirajan	Simulation Based Experimental Investigation for Performance Assessment of Scheduling Policies in Wafer Fabrication.	<i>International Symposium on Semiconductor Manufacturing Intelligence (ISMI2015)</i>	2015	KAIST, Daejeon, South Korea (16-18, Oct. 2015).
Rashmi Singh and M Mathirajan	Simulation Based Cause and Effect analysis of Input Variables in Wafer Fabrication Re-entrant Flow.	<i>Multidisciplinary International Scheduling Conference: Theory & Applications (MISTA 2015)</i>	2015	Prague, Czech Republic (25th – 28th August 2015).
Rashmi Singh and M Mathirajan	A Conceptual Framework for the Performance Assessment of Lot Release Policies	<i>The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2014)</i>	2014	Malaysia, Selangor, pp: 948-952, (9th to 12th December).

Details of National Conference & Paper Presentation

- Rashmi Singh and M Mathirajan. (2015). A Conceptual Simulation Framework for the Performance Assessment of Input Variables in Wafer Fabrication. *Presented in National Conference on Recent Trends and Developments in Statistics (NCRTDS)*, 21st – 23rd February 2015, M.D. University, and Rohtak.
- Rashmi Singh and M Mathirajan. (2012). Lot Release Control in Semiconductor Wafer Fabrication. *Presented in Conference on Optimization Modelling and Applications (OPTIMA)*, 29th October-1st November 2012, Delhi University, New Delhi.

Conferences/Seminars/Webinars Conducted

- **International Conference Convener:** Organized **International Conference on Digital Technologies for Business Excellence and Sustainable Development and Creating Viksit Bharat@2047 (ICDTBESDVB 2025), ORAC 0168**, organized on 5th and 6th July 2025 at the Indian Institute of Technology (ISM), Dhanbad.
- **Webinar Coordinator:** Organized webinar session that includes **9 talks from industry & academia experts** in the department as a **webinar coordinator** to prepare the students to deal with the new normal environment created due to COVID-19 outbreak and to strengthen their brain.
- Introduced to the **Design Thinking** Team as a member at IIT (ISM) Dhanbad and successfully completed **Enterprise Design Thinking Practitioner and Enterprise Design Thinking Co-Creator** certificates from IBM and visited Eastern Coal mines.

Development of Laboratory

- **Setting up, Indenter & Faculty in Charge of Computer/Systems Lab** in the Department of Management Studies & Industrial Engineering.

Industrial Experience (2 years approximately)

- **Project Engineer:** Wipro Technologies, Bangalore, from Jan-2010 to Aug-2011.

Training & Workshop

- **Statistics & R Workshop** (15th to 16th) December 2015 at Indian Institute of Management, (IIMB), Bangalore.
- **Optimization & its Applications** (26th to 28th) November 2012 at **Delhi University**, New Delhi.
- **Statistical Machine Learning & Game Theory Approaches for Large Scale Data Analysis** (9th to 14th) July 2012 at M.S. Ramaiah Institute of Technology (**MSRIT**), Bangalore.
- **Mainframe Coding (COBOL, JCL, DBMS, CICS, DIALOG, IMS-DB, Micro focus COBOL and VSAM) and C & data structure** (19th January 2010 to 19th April 2010) at Wipro (**Wipro Technologies**, Electronic City, and Bangalore - 560100).

- Mathematical Modelling for Performance Oriented Heuristic Techniques & its Application to Industry (7th to 11th) December 2009 at M.S. Ramaiah Institute of technology (**MSRIT**), Bangalore.

Computer Awareness

- Language: C, C++ & COBOL, Python
- OS: LINUX, Windows, Windows-Vista
- Software skills: Arena, RStudio, Weka, SPSS, Minitab, Excel, Solver, and Matlab

Reviewer in Reputed Journals

- Harvard Business Publishing (HBS)
- International Journal of Production Research (IJPR)
- Annals of Operations Research (ANOR)
- Computers & Industrial Engineering (CAIE)
- Simulation: Transactions of the Society for Modeling and Simulation
- International Journal of Industrial and Systems Engineering

Administration Responsibilities

- **Professor-In-Charge (PIC) of SAH & EDC** guest house from 4th April 2025 till now.
- **Executive MBA Co-Coordinator:** Handling the role of Executive MBA Co-Coordinator from 2024 October till now.
- **DUGC Convener:** Handling the role of DUGC convener from November 2024 July till now.
- **Senate Member:** Nominated by the Competent Authority as a member in the Senate from 30th June 2023 to 30th June 2024.
- **Chief Warden:** I was managing the Ruby and Rosaline hostel at the Indian Institute of Technology (ISM) Dhanbad as Chief Warden effective from July 1st, 2023, to July 1st, 2024.
- **Faculty Coordinator for International Relations & Alumni Affairs from March 2022-June 2023.**
- **Hostel Warden:** I was managing the Ruby and Rosaline hostel at the Indian Institute of Technology (ISM) Dhanbad as Warden from July 1st, 2021-July 1st, 2023.
- **Faculty advisor for international students' mobility from July 2021 to July 2023**
- **Faculty Coordinator for Data & Software Lab from July 2022 to July 2024**
- **Faculty Coordinator for Media & Promotion for Naresh Vashisht Centre for Tinkering & Innovation (NVCTI) from July 2022 to July 2023**
- **Member of Departmental Faculty Selection Committee (DFSC) from 2021 Dec to July 2024**
- **Member of Departmental Undergraduate Committee (DUGC)**
- Organizing committee member in 41st Convocation that was held on 13th -14th August 2022.
- Organizing committee member in 42nd Convocation & 97th foundation day that was held on 12th December 2022.

- Organizing committee member in 43rd Convocation that was held on 10th December 2023.
- Organizing committee member in 44th Convocation that was held on 10th December 2024.
- Organizing committee member in 45th Convocation that was held on 1st August 2025.
- **Training & Placement Faculty Coordinator:** Handled this role & responsibility from January 2020 - June 2022.
- **Chairperson Admission:** I was chairperson admission at IIM Jammu from 2019 May to 2019 November.

Membership

- Life Member of Indian Society for Probability & Statistics (**ISPS**).
- Member of the Institute for Operations Research and the Management Sciences (**INFORMS**).
- Member of the Institute of Electrical and Electronics Engineers (**IEEE**).
- Life Member of the Operational Research Society of India (**ORSI**).

Awards/Honors/Recognition:

- Received **Women Achievers of the Year 2023 for Empowering Tribal Community** from **Indian Institute of Technology (ISM) Dhanbad** during Foundation Day held on 9th December 2023.
- Received **“Excellent Rating”** for the project entitled “Development of Strategic Interventions through Communication and Science Media for Enforcing Sustainable and Healthy Lifestyles among School Children, Teachers and Women” from the **National Council for Science and Technology Communication (NCSTC), Department of Science & Technology (DST), GoI**.
- Received the **best student paper award** from **operational research society of India** during 52nd, Annual Convention of ORSI & International Conference held at **IIM Ahmedabad** on December, 2019 for the paper entitled “Experimental Investigation for Performance Assessment of Scheduling Policies in Semiconductor Wafer Fabrication – A Simulation Approach”, *International Journal of Advanced Manufacturing Technology (Impact factor: 3.266), 99 (5-8), pp:1503-1520, 2018*.
- **Session Chair** at the *13th Triennial International Conference of the Association of Asia Pacific Operational Research Societies (APORS) 2022*, held from November 9 - 12, 2022 at Eastwood Richmonde Hotel, Quezon City, Manila.
- Received **ANRF Conference grant** (Rs. 4.5 Lakhs) for organizing conference titled **“International Conference on Digital Technologies for Business Excellence and Sustainable Development and Creating Vikshit Bharat @2047(ICDTBESDVB 2025)”** as convener.
- Received **SERB International Travel Support (ITS)** for presenting a research paper in **IFORS 2023** conference.
- Recipient of MHRD Scholarship for PhD.
- Received **SERB International Travel Support (ITS)** for presenting a research paper in 2014 IEEE conference (**IEEM2014**).

References for recommendation letter:

- Dr. M. Mathirajan
Chief Research Scientist (CRS)
Ex-President of Operations Research Society of India (ORSI)
Department of Management Studies
Faculty of Engineering
Indian Institute of Science, (IISc)
Bangalore - 560012
Email address: msdmathi@iisc.ac.in
Phone: + 91 80 22932605 (O), 99456 68905 (M)
- Prof. U. Dinesh Kumar
Officiating Director of IIM Bangalore
Professor QMIS Area
Decision Sciences and Information Systems
Indian Institute of Management Bangalore, (IIMB)
Bannerghatta Road, Bangalore 560076
Email address 1: dineshk@iimb.ernet.in
Email address 2: udkumar@gmail.com
Phone: + 91 80 26993146 (O), 26993216 (R), 9742221309(M)
- Prof. M.K. Tiwari
Director of IIM Mumbai
Professor
Department of Industrial and Systems Engineering
Indian Institute of Technology (IIT), Kharagpur
West Bengal, India - 721302.
Email address 1: mktiwari9@iem.iitkgp.ernet.in
Email address 2: mkt09@hotmail.com
Phone: +91-3222-283746 (O), 9734444693 (M)