



Dr. AKHILESH BARVE

Professor – Industrial Engineering, Operations, Supply Chain, Entrepreneurship

Chairman – MANIT Rolta Incubation Centre

Maulana Azad National Institute of Technology (MANIT), Bhopal, India

Email: akhileshbarve@manit.ac.in | Mobile: +91-9692603927

Professor of Industrial Engineering with over 20 years of academic and research experience in sustainable, agile, and digital supply chains, smart manufacturing, and entrepreneurship. Founder and Director of MANIT Rolta Innovation and Incubation Foundation (section-8 company), contributing significantly to research park establishment, innovation ecosystems, and startup mentoring under national initiatives such as MSME and MoE programs.

Educational Qualification

Degree	Discipline / Specialization	Institution	Year of Completion	Division
Ph.D.	Mechanical Engineering (Specialization: Supply Chain Agility & Logistics)	IIT Delhi	2008	First
M.Tech.	Industrial Engineering	IIT Delhi	2002	First

Work Experience

Designation	Institution / Organization	Duration
Professor	Maulana Azad National Institute of Technology (MANIT), Bhopal	21 December 2023 – Present
Associate Professor	Maulana Azad National Institute of Technology (MANIT), Bhopal	7 February 2019 – 20 December 2023
Associate Professor	Indian Institute of Foreign Trade (IIFT), New Delhi	31 August 2018 – 6 February 2019
Assistant Professor	School of Mechanical Sciences IIT Bhubaneswar	February 2010 – August 2018
Assistant Professor	Gautam Buddha University, Greater Noida	2009 – 2010

Administrative Roles & Responsibility

Position / Role	Duration	Institution
Director – MANIT Rolta Innovation and Incubation Foundation (Section-8 company)	2024 – Present	MANIT Bhopal
Chairman – Rolta Incubation Centre	2021 – Present	MANIT Bhopal
Nodal Officer – Proposed MANIT Research Park	2024 – Present	MANIT Bhopal
NIRF Ranking Officer	2023 – Present	MANIT Bhopal
Coordinator – PM Gati Shakti Program	2022 – Present	MANIT Bhopal
Coordinator – Entrepreneurship Cell (E-Cell)	2019 – Present	MANIT Bhopal
Hostel Warden	2019 – 2024	MANIT Bhopal
Coordinator – M.Tech IEM Program	2023 – Present	MANIT Bhopal
DUPC Coordinator	2024 – Present	MANIT Bhopal
Member – ACoFAR Committee	2024 – Present	MANIT Bhopal
Member – Library Committee	2024 – Present	MANIT Bhopal
Member – DRPC Committee	2024 – Present	MANIT Bhopal
Faculty Coordinator – E-Summit	2021 – 2023	MANIT Bhopal
Coordinator – CBDE (MoE) Program	2024 – Present	MANIT Bhopal
Coordinator – Proposal for Smart Manufacturing Centre	2022	MANIT Bhopal
BoAC Coordinator – Bajaj Auto BEST Program	2025 – Present	MANIT Bhopal
PIC – Startup Centre	2016 – 2018	IIT Bhubaneswar
PIC - Website	2014-2016	IIT Bhubaneswar
PIC - Seminar	2012-2014	IIT Bhubaneswar

Awards and Recognitions

- Received “**Excellent Paper Award**” at the *International Conference on Innovation, Management and Service (ICIMS 2011)*, Singapore (September 16–18, 2011) for the paper titled “*Challenges to Environmental Management Practices in Indian Mining Industries.*”
- **Recognized among the Top 10 Global Researchers** in *Green Supply Chain Management (2006–2016)* as cited in *U.R. de Oliveira et al. (2018), “A Systematic Literature Review on Green Supply Chain Management: Research Implications and Future Perspectives,” Journal of Cleaner Production, Vol. 187, pp. 537–561 (Table 17, p. 548).*

Patents: 02

- **Design Patent No. 122996** – “*Semi-Automated Trolley Attachment for Warehouse Picking Operations*”, issued on January 2, 2022, **by the** Patent Office, Government of India.
- **Design Patent No. 400720-001** – “*EASEBIN*”, issued on November 26, 2023, **by the** Patent Office, Government of India.

Ph.D. Supervision

Awarded / Completed: 04

- Dr. Kamalakanta Muduli — *Green Supply Chain Management*, Ph.D. awarded 2015, IIT Bhubaneswar.
- Dr. Devendra Yadav — *Humanitarian Supply Chain Management*, Ph.D. awarded 2019, IIT Bhubaneswar.
- Dr. Sumanta Das — *Food Grain Supply Chain Management*, Ph.D. awarded 2023, IIT Bhubaneswar.
- Mr. Shubham Sachan — *Global Supply Chain Management*, Thesis submitted 2025, MANIT Bhopal.

Ongoing Supervision: 05

- Mr. Satyam Kumar — *Digi-Sustainable Supply Chain*, MANIT Bhopal.
- Mr. Adesh Gupta — *Green Logistics in Perishable Supply Chain*, MANIT Bhopal.
- Mrs. Bharti Patel — *Impact of Digital Supply Chain in Indian Energy Sector*, MANIT Bhopal.
- Mrs. Reenu Masram — *Digital Supply Chain*, MANIT Bhopal.
- Mr. Saket Shanker — *Quick Commerce Supply Chain*, MANIT Bhopal.

Research & Academic Contribution

- Circular Economy, Sustainability and Green Supply Chain Management
- Food, Agile and Global Supply Chains
- Humanitarian Logistics and Disaster Response Operations
- Digital Supply Chain and Industry 4.0 Applications
- Smart Manufacturing and Intelligent Operations Systems
- Data Analytics, AI, and Decision Support in Operations
- Logistics Optimization and Sustainable Transportation
- Entrepreneurship, Innovation, and Technology Commercialization

Publications: 79

Publication	All
International Journals	45
International Conferences	23
National Conferences	11
Total	79

Google Scholar Profile : As on 1st Nov 2025

Citations	3350
H index	31
i-10 Index	48

Research Profiles

- Google Scholar Link: <https://scholar.google.com/citations?user=bnTIFo8AAAAJ&hl=en>
- ORCID Link : <https://orcid.org/0000-0002-9924-0332>
- Vidwan Link : <https://vidwan.inflibnet.ac.in/profile/421128>
- Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=23501049000>

International Journals

2025:

1. Sachan S, Barve A, Muduli K, Kumar A, Samadhiya A, Luthra S (2025;), "Can smart manufacturing benchmark the complex landscape of global success?". *Benchmarking: An International Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/BIJ-10-2024-0879>

2024:

2. Karthik Bajar, Aditya Kamat, Saket Shanker, Akhilesh Barve, (2024) Blockchain technology: a catalyst for reverse logistics of the automobile industry, *Smart and Sustainable Built Environment*, 13 (1), pp. 133-178
3. Saraf K, Bajar K, Jain A, Barve A (2024), "Assessment of barriers impeding the incorporation of blockchain technology in the service sector: a case of hotel and health care". *Journal of Modelling in Management*, Vol. 19 No. 2 pp. 407–440, doi: <https://doi.org/10.1108/JM2-06-2022-0159>

2023:

4. S Das, A Barve, N.C Sahu and D.K Yadav, (2023), "Selecting enablers for sustainable PDS supply chain in the Indian context using fuzzy-DEMATEL approach", *Journal of Agribusiness in Developing and Emerging Economies*, Vol. 13 No. 2, pp. 299-322.

5. A Kamat, S Shanker, A Barve, (2023), "Assessing the factors affecting implementation of unmanned aerial vehicles in Indian humanitarian logistics: a g-DANP approach", *Journal of Modelling in Management*, Vol. 18 No. 2, pp. 416-456.
6. S. Joshi, M. Sharma, A Barve, (2023), Implementation Challenges of Blockchain technology in Closed-loop supply chain: A Waste Electrical and Electronic Equipment (WEEE) Management perspective in developing countries, *Supply Chain Forum: An International Journal*, Vol 24, pp 59-80
7. Sumanta Das, Akhilesh Barve, Naresh Chandra Sahu, Kamalakanta Muduli, Anil Kumar, Sunil Luthra, Analysing the challenges to sustainable food grain storage management: a path to food security in emerging nations, *International Journal of Food Science and Technology*, Volume 58, Issue 10, October 2023, Pages 5501–5509, <https://doi.org/10.1111/ijfs.16437>
8. Sahu, S., Shanker, S., Kamat, A, Barve A. ,(2023) “ India’s public transportation system: the repercussions of COVID-19”,*Public Transport.*, pp.1-44.
9. S Das, A.Y Myla, A Barve, AKumar, N.CSahu, KMuduli, S Luthra,(2023) “A systematic assessment of multi-dimensional risk factors for sustainable development in food grain supply chains: A business strategic prospective analysis ”, *Business Strategy and the Environment*, 32 (8), 5536-5562 (in Press.)

2022:

10. S Sachan, A Barve, A Kamat, S Shanker, (2022). "Assessing the Barriers Towards the Glocalization of Indiaan Mobile Industry: An IVIFs-DEMATEL with Choquet Integral Method," *International Journal of Information Technology & Decision Making (IJITDM)*, World Scientific Publishing Co. Pte. Ltd., vol. 21(06), pages 1821-1858, December.2021
11. Arora, C., Kamat, A., Shanker, S. and Barve, A. (2022), "Integrating agriculture and industry 4.0 under “agri-food 4.0” to analyze suitable technologies to overcome agronomical barriers", *British Food Journal*, Vol. 124 No. 7, pp. 2061-2095
12. S Singh, A Barve, K Muduli, A Kumar, S Luthra , (2022).”Evaluating roadblocks to implementing a green freight transportation system: an interval valued intuitionistic fuzzy digraph matrix approach”, *IEEE Transactions on Engineering Management*, pp.1-14.
13. S Shanker, A Barve, K Muduli, A Kumar, Jose Arturo Garza-Reyes & Sudhanshu Joshi (2022), “Enhancing resiliency of perishable product supply chains in the context of the COVID-19 outbreak”,*International Journal of Logistics Research and Applications*, 25(9), pp.1219-1243.
14. A Jain, SShanker, A Barve. (2022), "Resilience against the COVID-19 pandemic: is the hotel and tourism supply chain on the right path?", *Benchmarking: An International Journal*,29(10), pp.3194-3225.
15. Kamat, A., Shanker, S., Barve, A.SachinM. , Sunil L. (2022), “Uncovering interrelationships between barriers to unmanned aerial vehicles in humanitarian logistics”, *Operation Management Research*, Vol. 15 pp. 1134–1160.

16. Dwivedi, N., Sharma, H., Shanker, S. & Barve, A. (2022), "Third-party Logistics in Bio-medical Waste System: a Path Towards a Risk-free Sector", *Process Integration and Optimisation for Sustainability*, vol 6, pp. 1075–1102.
17. S. Shanker, H. Sharma, & A. Barve, "Analysing the critical success factors and the risks associated with third-party logistics in the food supply chain: a case of coffee industry", *Journal of Advances in Management Research*, 19(2), pp. 161-197.
18. Sharma. H, Shaker. S, Barve. A, Muduli.K, Kumar.A, Luthra. S, "Interval-valued intuitionistic fuzzy digraph -matrix approach with PERMAN algorithm for measuring COVID -19 impact on perishable food supply chain", *Environment, Development and Sustainability*, 1-40

2021:

19. S Singh, A Barve, S Shanker "An ISM-gDEMATEL framework for assessing barriers to green freight transportation: a case of Indian logistics system", *International Journal of Sustainable Engineering*, 14(6), pp. 1871-1892.
20. Shanker, S., Sharma, H & A. Barve, "Assessment of Risks Associated with Third-Party Logistics in Restaurant Supply Chain", *Benchmarking: International Journal*, 28(8), pp. 2432-2464.
21. S. Shanker, A. Barve, "Analysing sustainable concerns in diamond supply chain: a fuzzy ISM-MICMAC and DEMATEL approach", *International Journal of Sustainable Engineering*, 14(5), pp. 1269-1285.

2020:

22. A. Barve, R. N. Prasad, and D. K. Yadav, "Investigating causal relationship of disaster risk reduction activities in the Indian context" *International Journal of Emergency Management*, Vol. 1, No. 1, pp 1-21
23. D. Lamba, D. K. Yadav, A. Barve, G. Panda, "Prioritizing barriers in reverse logistics of E-commerce supply chain using fuzzy-analytic hierarchy process" *Electronic Commerce Research*, 2020, Vol. 20, No. 2, pp. 381- 403. [IF=1.940; Scopus and A Category in ABDC]

2019:

24. D. K. Yadav and A. Barve, "Prioritization of cyclone preparedness activities in humanitarian supply chains using fuzzy analytical network process", *Natural Hazards*, Vol. 97, No. 2, pp. 683-726. [Impact Factor 2.319]
25. M. Kumar, A. Barve, and D. K. Yadav, "Analysis of Barriers in Implementation of Goods and Service Tax (GST) in India Using Interpretive Structural Modelling (ISM) Approach", *Journal of Revenue and Pricing Management*, Vol 18, No. 5, pp 355-366. [Scopus and B Category in ABDC]

2018:

26. DK Yadav, A Barve“Segmenting Critical Success Factors of Humanitarian Supply Chains using Fuzzy-DEMATEL”, *Benchmarking: An International Journal* Vol. 25, No. 2, pp. 400-425. B-Category (ABDC), Scopus listed

2017:

27. DK Yadav, A Barve“Analysis of Socioeconomic Vulnerability for Cyclone-Affected Communities in Coastal Odisha, India”, *International Journal of Disaster Risk Reduction*. Vol 22, pp.387-396. Impact factor: 1.603, Scopus listed
28. K Govindan, K Muduli, K Devika, A Barve“Investigation of Influential Factors of Green Supply Chain Management in Indian Mining Industries: An Empirical Study”, *International Journal of Business Excellence*, Vol. 15, No.2, pp 159-182.

2016:

29. DK Yadav, A Barve “Modeling Post-Disaster Challenges of Humanitarian Supply Chains: A TISM approach”, *Global Journal of Flexible Systems Management*, Vol.17 No.3, pp. 321-340.Scopus listed
30. K Govindan, K Muduli, K Devika, A Barve“Investigation of Influential Strength of factors on GSCM Adoption in Mining Industries Operating in India”, *Resources Conservation and Recycling* Vol.107, pp.185-194.Impact factor: 3.313, Scopus & SCI listed
31. K Muduli, A Barve, S Tripathy, JN Biswal “Green Practices Adopted by the Mining Supply Chains in India: A Case Study”, *International Journal of Environment and Sustainable Development*, Vol. 15, No.2, pp.159-182.

2015:

32. DK Yadav, A Barve“Analysis of Critical Success Factors of Humanitarian Supply Chain: An Application of Interpretive Structural Modeling”, *International Journal of Disaster Risk Reduction*, Vol 12, pp. 213-225.Impact factor: 1.603, Scopus listed
33. K Muduli, A Barve“Analysis of Critical Activities for GSCM Implementation in Mining Supply Chains in India using Fuzzy Analytical Hierarchy Process”*International Journal of Business Excellence*, Vol. 8, No. 6, pp.767-797. Scopus listed
34. A Barve, DK Yadav “Developing a Sustainable Development Framework in the Context of Indian Mining Industries: AHP approach”, *Resources Policy*, Vol.46, No.1, pp. 15-26, Impact factor: 2.618.Scopus & SCI listed

2013:

35. K Muduli, K Govindan, A Barve, Y Geng“Barriers to Green Supply Chain Management in Indian Mining Industries: A Graph Theoretic Approach”,*Journal of Cleaner Production*, Vol.47 pp.335-344. A-Category (ABDC),, Scopus& SCI listed

36. K Muduli, K Govindan, A Barve, D Kannan, Y Geng "Role of Behavioural Factors in Green Supply Chain Management Implementation in Indian Mining Industries", *Resources Conservation and Recycling*, Vol. 76, pp. 50-60. Impact factor: 3.313. Scopus & SCI listed
37. A Barve, K Muduli "Modelling the Challenges of Green Supply Chain Management Practices in Indian Mining Industries", *Journal of Manufacturing Technology Management*, Vol. 24 No. 8, pp.1102-1122. Scopus listed
38. K Muduli, A Barve "Modelling the Behavioural Factors of GSCM Implementation in Mining Industries in Indian Scenario", *Asian Journal of Management Science and Applications*, Vol.1 No.1, pp.26-49.
39. K Muduli, A Barve "Sustainable Development Practices in Mining Sector: a GSCM Approach", *International Journal of Environment and Sustainable Development*, Vol.12, No.3, pp. 222-243.
40. K Muduli, A Barve "Establishment of a Sustainable Development Framework in Small Scale Mining Supply Chains in India", *International Journal of Intelligent Enterprise*, Vol.2, No.1, pp.84-100. Scopus listed

2012:

41. K Muduli, A Barve "Barriers to Green Practices in Health Care Waste Sector: an Indian Perspective", *International Journal of Environmental Science and Development*, Vol.3 No.4, pp.393-399.

2011:

42. K Muduli, A Barve "Role of Green Issues of Mining Supply Chain on Sustainable Development," *International Journal of Innovation, Management and Technology*, Vol. 2, No. 6, pp. 484-489.

2009:

43. A Barve, A Kanda, R Shankar "Role of Human Factors in Agile Supply Chains", *European Journal of Industrial Engineering*, Vol. 3, No.1, pp.2-20. Impact factor: 0.718, Scopus listed

2008:

44. A Barve, A Kanda, R Shankar "Making 3PL effective in Agile Supply Chains", *International Journal of Logistics Systems and Management*, Vol. 4, No. 1, pp. 40-60. Scopus listed

2007:

45. A Barve, A Kanda, R Shankar "Analysis of Interaction Among the Barriers of Third Party Logistics", *International Journal of Agile Systems and Management*, Vol. 2, No. 1, pp.109-129. Scopus listed

International Conferences

1. Sharma, H., Shanker, S., & **Barve, A.** (2021). "Assessing Factors Influencing Supply Chain 4.0: A Case of Smart City Development." *In Advances in Clean Energy Technologies*. Springer, Singapore, 2021. 641-648.
2. Sharma, H., Shanker, S. and **A. Barve**, (2020) "Risks Associated with Third-Party Logistics in Indian Restaurant Supply Chain" in the *International Conference on Industrial and Manufacturing Systems*, NIT Jalandhar, Punjab, India.
3. **A. Barve**, & S. Shanker, (2020) "Sustainable Supply Chain Concerns in Diamond Industries", Proceedings of the International Conference on Industrial Engineering and Operations Management, Dubai, UAE. 1632-1637.
4. S. Das and **A. Barve** (2017), "Insights to Grain Storage Management System in India", International Journal for Business and Economics, Nov. 14-17, British School at Rome, Italy.
5. **A. Barve** and D. K. Yadav (2016), "Role of Knowledge Management in Disaster Risk Mitigation in India", International Journal of Arts and Sciences' (IJAS) conference, University of London, November 8-11, 2016, London, UK.
6. D. K. Yadav and **A. Barve** (2016), "Analysis of Enablers for huManagement", 3rd International Conference on Innovations in Business and Management (ICIBM 2016), June 22 -24, Singapore.
7. D. K. Yadav and **A. Barve** (2016), "Analysis of Critical Success Factors of Humanitarian Supply Chains in Mitigating the Cyclone Risks in Odisha: A TISM Approach", International Conference on E-Business and Supply Chain Competitiveness (EBSCC 2016), Feb12-14, IIT Kharagpur, India.
8. D. K. Yadav, **A. Barve** and S. Sharma (2015), "Role of Information Technology in Disaster Risk Reduction in Coastal Regions of India", Young Scientist Conference, India International Science Festival (IISF 2015) December 5-7, IIT Delhi.
9. K.Muduli, J.N. Biswal, S. Satapathy, **A. Barve** and S.Tripathy, (2015), Best Practices of Green Supply Chain Management: Indian Mining Industry Cases, International Business Research Conference, IMI Bhubaneswar, 6-7 February.
10. K.Muduli, J.N. Biswal, S.Tripathy and **A. Barve** (2014), "Empirical Analysis of Success Factors of Green Supply Chain Management in the Context of Indian Mining Industries", International Conference on Multidisciplinary Approaches in Business Management & Sustainability, BIMTECH, Bhubaneswar, 28-29 November.
11. D.K.Yadav and **A. Barve**. "Role of Capacity Building in Disaster Preparedness: A Case of Cyclone Phailin", XVIII Annual International Conference of the Society of Operations Management (SOM 14), Dec.13-14 (2014), IIT Roorkee, India.
12. **A. Barve** and D. K. Yadav. "Developing A Framework To Study The Various Issues of Humanitarian Supply Chains", 10th Asian Business Research Conference, October 6-7, Bangkok. (2014)

13. D. K. Yadav and **A. Barve** (2014), "Humanitarian supply chain: An approach", 6th International conference on Excellence in Research and Education (CERE 2014), 8-11 May, IIM Indore, India.
14. K. Muduli and **A. Barve**, (2014), "Green supply chain management in Indian mining industries: an empirical study", International Conference on Environment, Technology and Sustainable Development: Promises and Challenges in the 21st Century, 2-4 March 2014, ABV- IITM Gwalior.
15. D. K. Yadav and **A. Barve** (2013), "Conceptual study of humanitarian supply chain in Indian context", International Conference on Humanitarian Logistics (ICHL 2013), 2-3 December, IIM Raipur, India.
16. K. Muduli, and **A. Barve**, (2013) "Impact of soft factors on GSCM performance", *International Conference on Advances in Social Science, Management and Human Behaviour (SMHB – 2013)*, 12-13 October, 2013, Zurich, Switzerland, pp. 46-50.
17. K. Muduli, and **A. Barve**, (2013) "Chall investigation of the barriers of green supply chain management (GSCM) implementation in Indian mining industries" *3rd International Conference on Business, Economics, Management and Behavioral Sciences (ICBEMBS'2013)*, 29 – 30 April, 2013, Singapore, pp. 290-294.
18. K. Muduli and **A. Barve**, (2013) "Developing a framework for study of GSCM criteria in Indian mining industries", *International Conference on Environmental Science and Development*, 19-20 January 2013, Dubai, UAE (ELSEVIER Procedia), pp. 22-26.
19. K. Muduli and **A. Barve**, (2012), "Challenges to waste management practices in Indian health care sector", *International Conference on Environment Science and Engineering*, 7-8 April, 2012, Bangkok, Thailand, Vol.32, pp. 62-67.
20. P. Kumar, K. Muduli and **A. Barve**, (2012) "To Establish Criteria for Evaluating Third Party Logistic Providers", *International Conference on Best Practices in Supply Chain Management*, 22-23 November, SOA Bhubaneswar, India.
21. K. Muduli and **A. Barve**, (2011), "Green aspects of supply chain management: a graph theoretic approach", *International Conference on Mathematical Modelling and Applications to Industrial Problems*, 28 March, NIT, Calicut, pp. 270-277.
22. **A. Barve** and K. Muduli, (2011), "Challenges to environmental management practices in Indian mining industries", *International Conference on Innovation, Management and Services (ICIMS 2011)*, 16-18 September, Singapore, Vol.14, pp. 297-301.
23. **A. Barve** (2010), "Impact of Supply Chain Agility on Customer Satisfaction", International Conference on E-business, Management and Economics, ICEME2010, HongKong, Dec 27-30.

National Conferences

1. Sahu A, Chaurasia K A, Gupta A, Kumar S, Barve A, Bridging the Gap: Investigating Barriers to Bioplastic Adoption in Sustainable Food Packaging Supply Chain,

- Proceedings of the 5th Indian International Conference on Industrial Engineering and Operations Management, Vellore, Tamil Nadu, India, November 6-8,(Accepted)*
2. Varkhedkar A, Kumar S, Barve A, (2025) Navigating Barriers to Aquaponics Adoption: Building Sustainable Supply Chains in Indian Agriculture, *Proceedings of the 5th Indian International Conference on Industrial Engineering and Operations Management, Vellore, Tamil Nadu, India, November 6-8,(Accepted)*
 3. Patidar P, Chaudhari K ,Nayak K Ayush,Gajbhiye H, Kumar S, Sachan S, Barve A,(2025) Evaluating Blockchain Technology for Sustainable Healthcare Supply Chains in India, Indian Conference on MedTech Innovations(ICMI) 2025 (ACCEPTED)
 4. Sharma, H., S, Shanker, & A, Barve,. (2020) Role of Smart City Development in Supply Chain Performance,*Recent Trends in Management and Commerce, REST Publisher*. 1(1), 51-55.
 5. A. Barve,&S.Shanker, (2019) "Challenges in implementation of Green Supply Chain Management practices in Indian Diamond Mining Industries" in *Logistics Conclave and Conference at IIFT, DELHI*.
 6. Vishwanath, K. Muduli, and A. Barve, (2013) "Sustainable development practices in Indian mining supply chains", *National Conference on Manufacturing and Logistics Management (NCMLM 2013)*, 8th - 9th March, 2013, MNIT Jaipur.
 7. P. Siddaiah, K. Muduli, and A. Barve, (2013) "Environmental management practices in mining supply chains: an Indian iron ore mining perspective", *National Conference on Manufacturing and Logistics Management (NCMLM 2013)*, 8th - 9th March, 2013, MNIT Jaipur.
 8. A. Barve and K. Muduli, (2011), "Drivers of green supply chain management: a literature survey", *National Conference on Industrial Engineering*, 16 February, WBUT,Kolkatta
 9. A. Bhurji, and A. Barve (2010), "Logistics as the Backbone of Agri Business Supply Chain", National Conference on Managing Agri-Food Supply Chain Centre for Food & Agribusiness Management, IIM Lucknow. April 9-11
 10. A. Bhurji, A. Barve and R. Kumar (2009), "Role of 3PL in supply chain management for enhancing competitiveness of an Auto-component manufacturer", supply chain management in SMEs: Gaining competitive advantage, Nov 14 , ITS institute of management.
 11. A. Barve, A. Kanda, R. Shankar (2006),"Enhancing Supply Chain Performance using Agility", Proceeding of National Conference on Trends and Advances in Mechanical Engineering , YMCA Faridabad, , Dec. 9-10, pp. 603-609.

Book Chapter

- M Akkaraboina, S. R Kodari, A Barve, K Muduli,(2023)"Securing Data of Online Learners Using Blockchain Technology",Advancements in Artificial Intelligence, Blockchain Technology, and IoT in Higher Education: Mitigating the Impact of COVID-19,pp. 181-202 Apple Academic Press.(Book Chapter)

International Conferences Presentations

Year	Conference Title / Event	Venue
2017	Presented a paper at the <i>International Conference for Business and Economics</i>	The British School at Rome, Italy
2016	Presented a paper at the <i>International Journal of Arts and Sciences Conference</i>	University of London Union, London, U.K.
2014	Presented a paper at the <i>10th Asian Business Research Conference</i>	Bangkok, Thailand
2013	Presented a paper at the <i>International Conference on Environmental Science and Development</i>	Dubai, U.A.E.
2011	Presented a paper at the <i>International Conference on Innovation, Management and Service</i>	Singapore
2010	Presented a paper at the <i>International Conference on E-Business, Management and Economics</i>	Hong Kong

Sponsored Research Projects

Title of the Project	Duration	Funding Agency	Amount (₹ Lakhs)
Programmable Automated Field Deployable High-Frequency Rainwater Sampler	2022–2025	Indian Space Research Organisation (ISRO), Government of India	8.6
Development of an Indigenous Ankle Continuous Passive Motion (CPM) Device	2024–2025	Biotechnology Industry Research Assistance Council (BIRAC), Government of India	2.5
Development of PET Waste Plastic and Bamboo-Based Composite Tiles	2023–2024	Carbon Zero Challenge 2022, IIT Madras	5.0
Assessing the Logistics Cost Competitiveness and the Impact of Zero Liquid Discharge (ZLD) Norm on Livelihood Patterns and Health Conditions in the Knitwear Capital of India: A Study on Tirupur Textile Cluster	2019–2021	Indian Council of Social Science Research (ICSSR), New Delhi	14.0
Investigation of Sustainable Development Practices in the Diamond Mining Industry of Madhya Pradesh	2019–2021	Maulana Azad National Institute of Technology (MANIT), Bhopal	3.5

Title of the Project	Duration	Funding Agency	Amount (₹ Lakhs)
Impact of Disaster Risk Reduction Activities on Livelihood Patterns, Community Resilience, and Socioeconomic Vulnerability in Coastal Districts of Odisha: A Case Study	2016–2019	Indian Council of Social Science Research (ICSSR), New Delhi	5.0
Study of Supply Chain Issues in the Healthcare Sector of Odisha	2010–2013	Indian Institute of Technology (IIT) Bhubaneswar	3.5

Industry-Sponsored Consultancy Projects

Title of the Project	Sponsoring Industry / Agency	Closing Date
Third-Party Study on Sustainability and Economic Feasibility for Inviting Bids on Point-to-Point or Per-MT-Per-KM Basis in Road Transport Contracts	Food Corporation of India (FCI), Regional Office, Bhopal	Jan 2024
Technical Viability Assessment for the Use of RPC in Manufacturing of ECP/Söderberg Paste	NOC Foundation	April 2022
Evaluation of 120 Low-Floor Buses Operated by Bhopal City Link Limited (BCLL)	Bhopal Municipal Corporation (Nagar Nigam Bhopal)	Nov 2020
Endorsement of Production Quantity Estimates for Sponge Iron and Steel Billets of Maa Mahamaya Industries Ltd., R.G. Peta (2006–07 to 2008–09)	Maa Mahamaya Industries Ltd., R.G. Peta, Vizianagaram, Andhra Pradesh	July 2016
Assessment of Quality Control Systems and Equipment at Maa Mahamaya Industries Ltd.	Maa Mahamaya Industries Ltd., R.G. Peta, Vizianagaram, Andhra Pradesh	May 2016
Process Study Survey of CPC and EPC Operations at Amritesh Industries Pvt. Ltd.	Amritesh Industries Pvt. Ltd., Angul, Odisha	June 2015
Capacity Assessment Survey of Amritesh Industries Pvt. Ltd.	Amritesh Industries Pvt. Ltd., Angul, Odisha	May 2015

Workshops, Conferences, and Faculty Development Programs (Organized)

Year	Title / Event	Venue
2025	<i>MANAK Award Workshop</i>	MANIT Bhopal
2024	<i>MANAK Award Workshop</i>	MANIT Bhopal
2023	<i>FITTIRI-ISAM Workshop</i>	MANIT Bhopal
2023	<i>MANAK Award Workshop</i>	MANIT Bhopal
2023	<i>AICTE-Sponsored ATAL Faculty Development Programme (FDP) on “Food Supply Chain” under Gati Shakti Capacity Building Mission (13–24 March)</i>	MANIT Bhopal
2022	<i>Toy Hackathon</i>	MANIT Bhopal
2021	<i>International Conference on Recent Advancements in Mechanical and Industrial Engineering (ICRAMIE-2021) (19–20 March 2021)</i>	MANIT Bhopal
2020	<i>AICTE-Sponsored FDP on “System Engineering” (28 September–2 October 2020)</i>	MANIT Bhopal
2020	<i>Workshop on “Research Methodology” (14 March)</i>	MANIT Bhopal
2019	<i>Workshop on “Importance of Entrepreneurship” (14 September 2019)</i>	MANIT Bhopal
2016	<i>Workshop on “Funding Opportunities and Legal Aspects of Startups” (9 April 2016)</i>	IIT Bhubaneswar
2016	<i>Workshop on “Business Plan, Opportunities and Risks, and Sources of Funds for Start-ups” (5 March 2016)</i>	IIT Bhubaneswar
2014	<i>Workshop on “Industrial Engineering for National Development” (5–6 April 2014)</i>	IIT Bhubaneswar
2010	<i>Workshop on “Multivariate Statistical Analysis” (26 March 2010)</i>	IIT Bhubaneswar

Workshop Attended

- Leadership Faculty Development Program (FDP) under *Madan Mohan Malaviya Scheme*, organized by IIM Lucknow, 2024 (Duration: 5 days).
- Online Certificate Course on “Data-Driven Supply Chain Transformation”, jointly organized by NITIE Mumbai and IIT (BHU), 2022 (Duration: 30 hours).
- Faculty Development Program (FDP) on Supply Chain Management, organized by IIT Delhi, 2005 (Duration: 5 days).
- Training Program on Outcome-Based Education (OBE), organized by NITTTR Bhopal, December 2019 (Duration: 15 days).

Membership

- Endorsement Life time membership of Indian Institution of Industrial Engineering (IIIE)
- Membership of IEEE.

Entrepreneurship Initiatives

- Founder - MANIT Rolta Innovation and Incubation Foundation (Section-8 Company).
- Established Startup Centre at IIT Bhubaneswar in 2016.
- Founder of E-Summit at MANIT Bhopal (Annual since 2021).
- Prepared MANIT Research Park proposal (₹450 Cr).
- Established E-Cell at MANIT Bhopal; Incubated 40+ startups

Grant Received:

- FDP/MDP/ESDP Grant – ₹21 Lakhs (MSME 2025–26).
- Host Institute under MSME Scheme – ₹15 Lakhs per project.
- Student Ignition Grant – ₹50,000 per startup (Rolta Incubation Centre, MANIT Bhopal).
- Capacity Building in Design and Entrepreneurship (CBDE) MoE Grant- Upto 10 Lakhs.

Representation of MANIT in Different Forums

- National Science Conference at MANIT Bhopal in 2022
- Science Exhibition at Narola Parisar Bhopal in 2021
- National Hechathon at GBU Greater Noida in 2022