

# Sanjay C. Choudhari

Associate Professor

Operations Management and Quantitative Techniques

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## Educational Qualification:

PhD (Operations Management), 2012, SJMSOM, Indian Institute of Technology Bombay.  
(Received award of excellence in Ph.D. Thesis in Convocation: 2013, IIT Bombay)

M.Tech (Industrial), 2001, Visvesvaraya Regional College of Engineering Nagpur,  
(Currently, VNIT Nagpur), Nagpur University,

BE (Mechanical), 1999, Yeshwantrao Chavan College of Engineering Nagpur  
(Autonomous Institute), Nagpur University

Diploma (Mechanical), Government Polytechnic Nagpur

## Publications:

### In Refereed / International Journals

1. Jeetendra Kumar Saraswat and Sanjay Choudhari, "Integrating big data and cloud computing into the existing system and performance impact: A case study in manufacturing", *Technological Forecasting & Social Change*, (2025), Vol. 210 No.1, pp. 1-13, Elsevier pub. [ABDC "A" \(to appear\)](#)
2. Sanjay Choudhari and Saurabh Chandra, "Case Article: Route planning at an Animal Husbandry Department", *INFORMS Transactions on Education*, (2022), INFORM publication. Vol. 23 No.1, pp. 35-40, [ABS \(2\) "B"](#)
3. Sanjay Choudhari and Saurabh Chandra, "Case: Route planning at an Animal Husbandry Department", *INFORMS Transactions on Education*, (2022), INFORM publication. Vol. 23 No.1, pp. 41-45 [ABS \(2\) "B"](#)
4. Sanjay Choudhari and Hasmukh Gajjar, "Simulation of electrical maintenance service facility", *Business Process Management Journal*, (2018), Vol. 24 No.1, pp. 1-22. Emerald pub. [ABDC "B"](#)
5. Sanjay Choudhari and Amit Tindwani, "Logistics optimization in road construction project", *Construction Innovation: Information, Process, Management*, (2017), Vol. 17 No.2, pp. 1-36. Emerald pub. [ABDC "B"](#)
6. Sanjay Choudhari, Gajendra K. Adil and Usha Ananthakumar, "Configuration of manufacturing strategy decision areas in line production system: five case studies" *International Journal of Advance Manufacturing Technology*, (2013), Vol. 64 No.1-4, pp. 459-474. Springer pub. [ARC ERA "B"](#)
7. Sanjay Choudhari, Gajendra K. Adil and Usha Ananthakumar, "Exploratory case studies on manufacturing decision areas in the job production system", *International Journal of Operations & Production Management*, (2012), Vol. 32 No.11, pp. 1337-1361. Emerald pub. [ABDC "A" & ABS \(4\) "A"](#)
8. Sanjay Choudhari, Gajendra K. Adil and Usha Ananthakumar, "Choices in manufacturing strategy decision areas in batch production system - Six case studies", *International Journal of Production Research*, (2012), Vol. 50 No.14, pp. 3698-3717. Taylor & Francis Gr. Lt. [ABDC "A"](#)

9. Sanjay Choudhari, Gajendra K. Adil and Usha Ananthakumar, "Congruence of manufacturing decision areas in a production system: A research framework", *International Journal of Production Research*, (2010), Vol. 48 No.20, pp. 5963-5989. Taylor & Francis Group Ltd. ABDC "A"
10. Sanjay Choudhari and Hasmukh Gajjar, "Case study on simulation technique: Electrical Maintenance of IIT Bombay Hostels", *Asian Journal of Management Cases*, (2010), Vol. 7 No.1, pp. 73-87. Sage Publication. ABDC "C"
11. Sarang Deo, Sanjay Kumar Singh, G Raghuram and Sanjay Choudhari, "Case study on logistics and warehouse management: Adani Wilmar Limited", *Asian Case Research Journal*, (2009), Vol. 13 No.1, pp. 157-176. World Scientific Publishing Co. ABDC "C"

#### Teaching Cases Written (Published/unpublished)

- 1) Adani Wilmar Limited, Asian Case Research Journal
- 2) Electrical Maintenance of IIT Bombay Hostels, Asian Journal of Management Cases
- 3) Route planning at an Animal Husbandry Department, INFORMS Transactions on Education
- 4) L&T EBG - The Automatic Interutility, Intercompany Meter Reading Project
- 5) Project Planning at Malgudi Paper Mill

#### Case Analysis

Sanjay Choudhari (2013) "Akshaya Patra, Gandhinagar: Supply chain challenges: case analysis I," *Vikalpa*, Vol 38, No 4, October - December, IIM Ahmedabad.

Sanjay Choudhari (2023) "Clean India mission: Building nation through sustainable waste management practices", *Vision*, Vol 27, No 1,

#### Book Chapter

1. Sanjay Choudhari, "Case study on logistics and warehouse management issues in Agribusiness supply chain: Adani Wilmar Limited". In N. Chandrasekaran and G. Raghuram (Eds.), *Agribusiness Supply Chain Management*, 2014, (pp. 515-532). CRC Press: Taylor & Francis.

#### International Conferences

1. Sanjay Choudhari & Jeetendra Kumar Saraswat, "Integrating the ERP system with big data for realtime monitoring and control of manufacturing system", The International Conference on Industrial Engineering and Engineering Management (IEEM), Dec. 18-21, 2023, Singapore
2. Sanjay Choudhari, "Spreadsheet modelling for supply chain route planning", Association of Asia Pacific Operations Research Societies (APORS), Manila, Philippines, 9-12 Nov 2022
3. Sanjay Choudhari and Saurabh Chandra, "Routes planning for managing inventory at animal husbandry department", EURO OR 2018 conference, Valencia, Spain, 8-11 July 2018
4. Sanjay Choudhari & Amit Tindwani, "Logistics Network: Modelling the project supply chain", XX Annual International Conference of Society of Operations Management- 2016, SOM16- M128, 22 to 23 Dec 2016 at ABV-IIITM Gwalior
5. Saurabh Chandra, Sanjay Choudhari, "Cyclic Inventory routing of liquid Nitrogen at an animal husbandry department", XX Annual International Conference of

- Society of Operations Management- 2016, SOM16- M128, 22 to 23 Dec 2016 at ABV-IIITM Gwalior.
6. Sanjay Choudhari, Prasanta Sahu, and Debopam Roy, "Optimization of earthwork cost for road projects using mathematical programming" at 3rd Conference of Transportation Research Group of India (CTRG2015) at Kolkata during December 17-20, 2015
  7. Sanjay Choudhari, Gajendra K. Adil and Usha Ananthakumar, "Congruence between competitive priorities and manufacturing decisions: an exploratory study", The International Conference on Industrial Engineering and Engineering Management (IEEM), Dec. 8-11, 2008, Singapore
  8. Sanjay Choudhari, Venkat Reddy, Arunabh Gupta and Ashutosh Garg "Building competencies through maintenance outsourcing in manufacturing firms: A case study of an Indian glass company", *IIMB Management Review Conference 2006*, July 13 -15, 2006, Indian Institute of Management Bangalore

### Doctoral Students:

**Jeetendra Kumar Saraswat**, EFPM 2020, Thesis Submitted (October 2024)

Thesis area: Industry 4.0 patterns in manufacturing

Publication from Thesis:

Jeetendra Kumar Saraswat and Sanjay Choudhari, "Integrating big data and cloud computing into the existing system and performance impact: A case study in manufacturing", *Technological Forecasting & Social Change*, (2025), Vol. 210 No.1, pp. 1-13, Elsevier pub. **ABDC "A"** (to appear)

Jeetendra Kumar Saraswat and Sanjay Choudhari, "Digital mapping of Industry 4.0 in manufacturing" (To be submitted to ABDC "A")

### Research Interest:

Manufacturing Strategy, Typology of production systems, Industry 4.0  
Operations research and Simulation applications in Operations and Supply chain  
Lean, Six Sigma Quality, Case Research

### Teaching Interest:

Production and Operations Management (Core)  
Quantitative Methods/ Operations Research  
Modelling in Supply Chain Management (Elective)  
Supply Chain Management (Elective)  
Lean operations and Six Sigma (Elective)  
Discrete Event System Simulation (Elective)  
Process improvement (Elective)  
Case Research in Operations and Supply Chain Management (Doctoral Course)

### Work Experience:

Associate Professor, Indian Institute of Management Indore, Dec. 2017 to till.

Assistant Professor, Indian Institute of Management Indore, Oct. 2014 to Dec 2017.

Visiting Assistant Professor, Indian Institute of Management Indore, Sep 2013 to Oct 2014.

Assistant Professor, T. A. Pai Management Institute, Manipal, April 2012 to August 2014.

Assistant Professor, National Institute of Construction Management & Research (NICMAR) Pune, May 2010 to April 2012.

Senior Lecturer, National Institute of Construction Management & Research (NICMAR) Pune, June 2005 to April 2010.

### Administrative work at IIM Indore

Coordinator, Himalayan Outbound Program, PGP II in year 2014, 2015, 2016

Coordinator, CCBMDO (Defense officer) Program, 2018-19, 19-20, 20-21

Area Chair, OMQT area, AY 2021-2023

### Courses taught at IIM Indore:

Supply Chain Management, PGP II, EPGP, CCBMDO, FPM (I)

Operations Management II, PGP I

Operations Management I, PGP I

Operations Management, EPGP, GMP

Managing Non-Profit, IPM

### Contributions to professional community

Reviewer, International Journal of Operations & Production Management (IJOPM), Emerald publication

Reviewer, Asian Case Research Journal (ACRJ), World Scientific Publishing

Reviewer, Asian Journal of Management Cases (AJMC), Sage Publishing

Reviewer, INFORMS Transactions on Education

Reviewer, Construction Management and Economics

Reviewer, Construction Innovation: Information, Process, Management

Reviewer, IIM Kozhikode Society and Management Review

### Others:

- Awards and Achievements:
  - Award of Excellence in Ph.D. Thesis 2013, IIT Bombay, Convocation 2013
  - National Merit Scholarship – Govt. of India 1991-1994
  - GATE Scholarship – Ministry of Human Resource Department, India 1999-2001