



## International Conference on

# Data Analytics in Public Procurement and Supply Chain 2022 (ICDAPS)



**Chief Guest – Dr. Rajiv Kumar,  
Ex Vice Chairman, NITI Aayog**



### Conference Convenors

**Prof. Madhu Ranjan Kumar**

**Arun Jaitley National Institute of Financial Management (AJNIFM)**

**Prof. Manoj Kumar Tiwari**

**National Institute of Industrial Engineering (NITIE) Mumbai**

### Topic

**Date of Conference:  
10th&11th June 2022**

**Applications of Data Analytics and  
Machine Learning in Public Procurement  
and Supply Chain Management**

### Venue

**Digital platform of AJNIFM and NITIE**

## Keynote Speakers

**Prof. David Simchi-Levi**

MIT Data Science Lab, USA

**Prof. Kiran Fernandes**

Durham University  
Business School, UK

**Prof. Rakesh Nagi**

University of Illinois, USA

**Prof. Christopher S. Tang**

UCLA Anderson School, USA

## About The Conference

The primary focus of the conference will be the applications of data analytics and machine learning in public procurement and supply chain management. The purpose of this event is to bring both scholars and professionals to share and discuss emergent issues in the role of data analytics in mediating the relationship between digital procurement and supply chain performance.

## ICDAPS 2022 - Schedule

Time (IST)	Event	Link	Password
<b>Day 1: 10<sup>th</sup> June 2022</b>			
10:00 AM to 11:00 AM	Inaugural Function	<a href="#">Click here to join</a>	icdaps
11:30 AM to 1:00 PM	FN Technical Session 1	<a href="#">Click here to join</a>	icdaps
	FN Technical Session 2	<a href="#">Click here to join</a>	icdaps
	FN Technical Session 3	<a href="#">Click here to join</a>	icdaps
2:00 PM to 3:00 PM	Panel Discussion	<a href="#">Click here to join</a>	icdaps
3:00 PM to 4:30 PM	AN Technical Session 1	<a href="#">Click here to join</a>	icdaps
	AN Technical Session 2	<a href="#">Click here to join</a>	icdaps
	AN Technical Session 3	<a href="#">Click here to join</a>	icdaps
4:30 PM to 5:00 PM	Keynote Speech	<a href="#">Click here to join</a>	icdaps
<b>Day 2: 11<sup>th</sup> June 2022</b>			
10:00 AM to 10:30 AM	Keynote Speech	<a href="#">Click here to join</a>	icdaps
10:30 AM to 12:00 PM	FN Technical Session 1	<a href="#">Click here to join</a>	icdaps
	FN Technical Session 2	<a href="#">Click here to join</a>	icdaps
	FN Technical Session 3	<a href="#">Click here to join</a>	icdaps
	FN Technical Session 4	<a href="#">Click here to join</a>	icdaps
12:15 PM to 1:15 PM	Panel Discussion	<a href="#">Click here to join</a>	icdaps
2:30 PM to 4:00 PM	AN Technical Session 1	<a href="#">Click here to join</a>	icdaps
	AN Technical Session 2	<a href="#">Click here to join</a>	icdaps
	AN Technical Session 3	<a href="#">Click here to join</a>	icdaps
	AN Technical Session 4	<a href="#">Click here to join</a>	icdaps
4:00 PM to 4:30 PM	Keynote Speech	<a href="#">Click here to join</a>	icdaps
4:30 PM to 5:00 PM	Valedictory Function		

## ICDAPS 2022 - Schedule

### Inaugural Function (10<sup>th</sup> June 2022, 10:00 AM to 11:00 AM)

Welcome Address by Shri Prabhat R. Acharya, Director AJNIFM,	10:00 AM – 10:10AM
Chief Guest Address by Dr. Rajiv Kumar, Ex Vice Chairman, NITI Aayog	10:10 AM – 10:20AM
Keynote Speech - Prof. Simchi Levi, MIT Data Science Lab, USA	10:20 AM – 10:50 AM
Vote of Thanks by Prof. Manoj Kumar Tiwari Director, NITIE	10:50 AM - 11:00 AM

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### Day 1: FN Technical Session 1      10<sup>th</sup> June 2022, 11:30 AM to 1:00 PM

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<b>Session Chair</b>	<b>Mr V P Pathak</b>	Ex Member Railway Board and Secretary to Govt of India
<b>Session Co-chair</b>	<b>Maj.General Vikas Rohilla</b>	Indian Army
<b>Faculty Coordinator</b>	<b>Prof. Debabrata Das</b>	NITIE Mumbai

<b>SPOC 1</b>	Ashish Raj	<a href="mailto:ashish.raj.2106005@nitie.ac.in">ashish.raj.2106005@nitie.ac.in</a>	+91 7091658573
<b>SPOC 2</b>	Ayushi Chauhan	<a href="mailto:ayushi.chauhan.2020@nitie.ac.in">ayushi.chauhan.2020@nitie.ac.in</a>	+91 8198029416

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	11:30 AM – 11:45 AM	Sachin Kumar and Sanjeev Sinha	A Reverse Logistics Model for Waste Plastic Recycling	1039
2	11:45 AM – 12:00 PM	Joshin John	Issues in Procurement and Distribution of Plantation Crops: Can AI-ML technologies offer better performance outcomes?	9043
3	12:00 PM – 12:15 PM	Sitadri Roy Choudhury, K.S. Mallikarjuna Rao and Omkar D. Palsule- Desai	Capacity Planning in Decentralized Public Food Procurement Supply Chains in India	4999
4	12:15 PM – 12:30 PM	Sidheshwar Tiwari	Potential of public procurement in India to induce in-novation	Direct Submission
5	12:30 PM – 12:45 PM	Sushant Kumar Panda	Data Analytics for Procurement	Direct Submission
6	12:45 PM – 1:00 PM	Dr. Shilpa Narayanswamy and Nikhil Ghantial	Supplier Prioritization & Risk Management in Procurement	2485

## ICDAPS 2022 Tracks - Schedule

**Day 1: FN Technical Session 2**

**10<sup>th</sup> June 2022, 11:30 AM to 1:00 PM**

[Click here to join](#) (password **icdaps**)

<b>Session Chair</b>	<b>Prof. Ravi Shankar</b>	IIT Delhi
<b>Co-chair</b>	<b>Dr. Vijaya Dixit</b>	IIM Ranchi
<b>Faculty Coordinator</b>	<b>Prof. Rakesh Raut</b>	NITIE Mumbai

<b>SPOC 1</b>	Rohit Kumar	<a href="mailto:rohit.kumar.2116007@nitie.ac.in">rohit.kumar.2116007@nitie.ac.in</a>	+91 7983284463
<b>SPOC 2</b>	Amit Sharma	<a href="mailto:amit.sharma.2106001@nitie.ac.in">amit.sharma.2106001@nitie.ac.in</a>	+91 9375187100

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	11:30 AM – 11:45 AM	Renuka Deshmukh	Perceived Use and Effectiveness of Fintech Based Digital Transactions Solutions for Financial inclusivity: Empirical Analysis	3093
2	11:45 AM – 12:00 PM	Ayush Sharma, K Kalaivani and Raja Gopalakrishnan	Demand forecasting of freight commodities with partial information revealed by shippers- a case study in Indian Railways	0468
3	12:00 PM – 12:15 PM	Prabir Kumar Das and Talleen Kumar	Modeling e-commerce sellers' ratings using transaction-level and users' feedback data	8385
4	12:15 PM – 12:30 PM	Deepak Kumar, B.V. Phani and Suman Saurabh	Integrated Blockchain architecture for end-to-end Receivables Management of Indian MSMEs	8992
5	12:30 PM – 12:45 PM	Sarin Raju, Rofin T.M and S Pavan Kumar	An interactive game theory analytics to model the panic buying when the downstream supply chain channel partners undergo horizontal coopetition	4014
6	12:45 PM – 1:00 PM	Vipul Kumar Mishra, Chandrasekharan Rajendran, Franz Lehner, A.S. Balakrishnan and Suryanarayana Murty	Optimization of Network Planning in a Real-Life Vehicle Logistics Distribution System	1148

## ICDAPS 2022 Tracks - Schedule

**Day 1: FN Technical Session 3**

**10<sup>th</sup> June 2022, 11:30 AM to 1:00 PM**

[Click here to join](#) ( password **icdaps**)

<b>Session Chair</b>	<b>Prof. Biswajit Mahanty</b>	IIT Kharagpur
<b>Co-chair</b>	<b>Prof. Alok Choudhary</b>	WMG - The University of Warwick
<b>Faculty Coordinator</b>	<b>Prof. Balkrishna Narkhede</b>	NITIE Mumbai

<b>SPOC 1</b>	Pramod Mahajan	<a href="mailto:pramod.mahajan.2106010@nitie.ac.in">pramod.mahajan.2106010@nitie.ac.in</a>	+91 8407930393
<b>SPOC 2</b>	Sagar Ghuge	<a href="mailto:sagar.ghuge.2019@nitie.ac.in">sagar.ghuge.2019@nitie.ac.in</a>	+91 8552827277

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	11:30 AM – 11:45 AM	Uttej Reddy Gaddam, S.P. Sarmah and Sayan Chakraborty	A neutrosophic based integrated approach for customer order prioritization: A case of Indian automotive industry	8306
2	11:45 AM – 12:00 PM	Amit Kumar Gupta	Prioritizing Barriers for Reverse Logistics of Lubricating Oils using Fuzzy AHP	9597
3	12:00 PM – 12:15 PM	Uma Chilukuri, Debabrata Das and Priyanka Verma	Solving Vehicle Routing problems under dynamic demands using Branch & Cut Algorithm and Reinforcement Learning	3905
4	12:15 PM – 12:30 PM	Samir Maity, Bodhibrata Nag and Sushovan Khatua	Leveraging Machine Learning of Indian Railways Public ProcurementData for Managerial Insights	3568
5	12:30 PM – 12:45 PM	Malleswari Karanam, Lanka Krishnanand, Sai Nikhil Pattela and Vijaya Kumar Manupati	Investigating the key enablers in perishable food supply chain using DEMATEL and AHP – PROMETHEE	8360
6	12:45 PM – 1:00 PM	Dr. Bhakti Parashar and Dr. Amrita Chaurasia	Green and Sustainable Public Procurement	4615

## ICDAPS 2022 Tracks - Schedule

### Panel Discussion - (10<sup>th</sup> June 2022, 2:00 PM to 3:00 PM)

#### Data Analytics and Supply Chain Performance

##### Moderator

Prof. Ravi Shankar

Professor of Operations and Supply Chain Management  
Department of Management Studies, IIT Delhi

##### Panel Members

Mr. Saurabh Mishra

Program/Product Manager, Amazon

Dr. Rakesh Sinha

Founder & CEO at Reflexive Supply Chain Solutions

Mr. Vishnu Subash

PwC India Technology Consulting

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## ICDAPS 2022 Tracks - Schedule

**Day 1: AN Technical Session 1**

**10<sup>th</sup> June 2022, 3:00 PM to 4:30 PM**

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<b>Session Chair</b>	<b>Prof. C Rajendran</b>	IIT Chennai
<b>Session Co-chair</b>	<b>Dr. Akhilesh Kumar</b>	IIT Kharagpur
<b>Faculty Coordinator</b>	<b>Prof. Debabrata Das</b>	NITIE Mumbai

<b>SPOC 1</b>	Ashish Raj	<a href="mailto:ashish.raj.2106005@nitie.ac.in">ashish.raj.2106005@nitie.ac.in</a>	+91 7091658573
<b>SPOC 2</b>	Ayushi Chauhan	<a href="mailto:ayushi.chauhan.2020@nitie.ac.in">ayushi.chauhan.2020@nitie.ac.in</a>	+91 8198029416

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	3:00 PM – 3:15 PM	Dr. Rajnish Kumar, Ayush Sharma, Raja Gopalakrishnan, Hemlata Prasad, Vimal Vidyadharan, Vinod Kumar, Nidhi Agrawal, Saikat Sarkar and Kaushlesh Kumar	Natural Language Processing: An Application case study of Inventory Standardization in Indian Railways	7885
2	3:15 PM – 3:30 PM	Shreyas Dhisale, Vikrant Nikumbhe, Prathamesh Kerkar, Himanshu Pinge, Anand Revgade and Uday Dabade	Development of an Integrated Customer Relationship Management Tool for Predictive Analytics in Supply Chain Management	4648
3	3:30 PM – 3:45 PM	Dr C Shree Charan and Anita Gladis	Consumer Analytics: A Study on Target Positioning Intelligence using Semantic Technology through Web Scrapping	5345
4	3:45 PM – 4:00 PM	Rishabh Tripathi and Subhas Chandra Misra	Application of Causal ML framework for Commodity Price Prediction by using Time Series based Stochastic Models	8038
5	4:00 PM – 4:15 PM	Arun Thomas and Vinay V Panicker	Supply Chain Data Analytics for Predicting Delivery Risks Using Machine Learning	6317
6	4:15 PM – 4:30 PM	Ganesh M R and Radharamanan T	Development Of Clustering Algorithm For Fps Distribution: A Case Study	5403

## ICDAPS 2022 Tracks - Schedule

**Day 1: AN Technical Session 2**

**10<sup>th</sup> June 2022, 3:00 PM to 4:30 PM**

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<b>Session Chair</b>	<b>Prof. Balram Avittathur</b>	IIM Calcutta
<b>Session Co-chair</b>	<b>Dr. Sri Krishna Kumar</b>	IIT Kharagpur
<b>Faculty Coordinator</b>	<b>Dr. Maheswar Singha Mahapatra</b>	NITIE Mumbai

<b>SPOC 1</b>	Rohit Kumar	<a href="mailto:rohit.kumar.2116007@nitie.ac.in">rohit.kumar.2116007@nitie.ac.in</a>	+91 7983284463
<b>SPOC 2</b>	Amit Sharma	<a href="mailto:amit.sharma.2106001@nitie.ac.in">amit.sharma.2106001@nitie.ac.in</a>	+91 9375187100

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	3:00 PM – 3:15 PM	Rajeev Sinha and Dr. Angad Tiwary	Impact of Digitization on Indian Financial Marking during COVID-19 Pandemic	3297
2	3:15 PM – 3:30 PM	Anushee Jain and Chandrasekharan Rajendran	A Mathematical Model Based Heuristic For Clustering, Logistics And Order Pickup In The Constrained In-bound Multi-period Multi-part Inventory Routing Problem With Heterogeneous Vehicles (Cibirphv)	1152
3	3:30 PM – 3:45 PM	Krishna Kumar Dadsena, S P Sarmah and V N A Naikan	Performance Evaluation of Trucking Industry Using BSC and DEA: A Truck Driver's Perspective	754
4	3:45 PM – 4:00 PM	Kapil Manohar Gumte and Nageswara Reddy Kondreddy	Risk and feasibility of sustainable Techno-Eco-Env Green Supply Chain	1333
5	4:00 PM – 4:15 PM	Ankush Pawar and Sushmita Narayana	Implementation of Optimisation Model to replace existing Bus Setup with E-Bus & propose Procurement Strategy	7903
6	4:15 PM – 4:30 PM	Lalit Jain and Rofin T.M	Modelling duopoly competition between ride-hailing platforms to determine the dynamic pricing strategy of the platforms	958



## ICDAPS 2022 Tracks - Schedule

**Day 1: AN Technical Session 3**

**10<sup>th</sup> June 2022, 3:00 PM to 4:30 PM**

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<b>Session Chair</b>	<b>Mr Bhaskar Narang</b>	Sr Consultant Earnst & Young
<b>Session Co-chair</b>	<b>Dr R Gopalakrishnan</b>	GM/CRIS
<b>Faculty Coordinator</b>	<b>Prof. Ravindra Gokhale</b>	NITIE Mumbai

<b>SPOC 1</b>	Pramod Mahajan	<a href="mailto:pramod.mahajan.2106010@nitie.ac.in">pramod.mahajan.2106010@nitie.ac.in</a>	+91 8407930393
<b>SPOC 2</b>	Sagar Ghuge	<a href="mailto:sagar.ghuge.2019@nitie.ac.in">sagar.ghuge.2019@nitie.ac.in</a>	+91 8552827277

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	3:00 PM – 3:15 PM	Virendra Kumar Verma, L. Ganapathy and Sachin S. Kamble	Supplier prioritization and risk management in procurement	8171
2	3:15 PM – 3:30 PM	Esha Saha, Pradeep Rathore and Bhargav Anne	E-procurement: An emerging tool for the pharmaceutical supply chain management	1361
3	3:30 PM – 3:45 PM	Manikandan A	Applications of Data Analytics and Machine Learning in Public Procurement and Supply Chain Management.	3096
4	3:45 PM – 4:00 PM	Ratna Bhargavi Kocherla	Data Analytics and Machine Learning in Public Procurement and Supply Chain	4879
5	4:00 PM – 4:15 PM	Chiranjib Biswas, Uday Venkatadri and Cenk Sahin	Blockchain Technology and its Application in 3D Parts Procurement: A Case Study	8301
6	4:15 PM – 4:30 PM	Puja Sarkar, Rony Mitra, Vivekanand B Khanapuri and Manoj K Tiwari	Efficient Supplier Selection in e-Procurement Reverse Auction using Graph Based Model	4327

**Keynote Speech (4:30 PM – 5:00 PM)**

**Prof. Kiran Fernandes, Durham University Business School**

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## ICDAPS 2022 Tracks - Schedule

**Keynote Speech (11<sup>th</sup> June 2022, 10:00 AM to 10:30 AM)**

**Prof. Rakesh Nagi, University of Illinois, USA**

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**Day 2: FN Technical Session 1      11<sup>th</sup> June 2022, 10:30 AM to 12:00 PM**

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<b>Session Chair</b>	<b>Prof. Amitabh Datta</b>	Professor, AJNIFM
<b>Session Co-chair</b>	<b>Prof. Rakesh Rajpurohit</b>	Sr Professor, National Academy of Indian Railways
<b>Faculty Coordinator</b>	<b>Dr. Mainak Mazumdar</b>	NITIE Mumbai

<b>SPOC 1</b>	Ashish Raj	<a href="mailto:ashish.raj.2106005@nitie.ac.in">ashish.raj.2106005@nitie.ac.in</a>	+91 7091658573
<b>SPOC 2</b>	Ayushi Chauhan	<a href="mailto:ayushi.chauhan.2020@nitie.ac.in">ayushi.chauhan.2020@nitie.ac.in</a>	+91 8198029416

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	10:30 AM– 10:45 AM	Sandeep Verma	State Procurement (Capacity) In (A) Crisis: A Comparative Study of Global Quests for COVID-19 Vaccines in Some States in India	Direct Submission
2	10:45 AM – 11:00 AM	Maheswar Singha Mahapatra and Biswajit Mahanty	Importance of equitable public procurement of food grains in India for sustainability	6102
3	11:00 AM – 11:15 AM	Alok Kumar Singh and Nikunj Kumar Jain	Opportunities and Challenges of Government E-marketplace (GeM) in improving transparency in Public Procurement in India	4749
4	11:15 AM – 11:30 AM	Major General Vikas Rohilla	Lessons in high value public procurement : Case study of India*	Direct Submission
5	11:30 AM – 11:45 AM	Yugank Goyal	Public Procurement during the Pandemic: Experience of India and China	Direct Submission
6	11:45 AM – 12:00 PM	Mr. R. Ravichandran Ravichandran, Dr Reshma Sultana Ph, Dr.Shruti Mishra, Ms Brindha L and Ms. Anwasha Chattopadhyay	Green And Sustainable Procurement In Economy - The Linkage Between Sustainable Growth And Green Procurement – An Indian Perspective	8118

## ICDAPS 2022 Tracks - Schedule

**Day 2: FN Technical Session 2**      **11<sup>th</sup> June 2022, 10:30 AM to 12:00 PM**

[Click here to join](#) (Password **icdaps**)

<b>Session Chair</b>	<b>Prof. Goutam Datta</b>	IIM Ahmedabad
<b>Session Co-chair</b>	<b>Dr. Arshinder Kaur</b>	IIT Madras
<b>Faculty Coordinator</b>	<b>Prof. Balkrishna Narkhede</b>	NITIE Mumbai

<b>SPOC 1</b>	Rohit Kumar	<a href="mailto:rohit.kumar.2116007@nitie.ac.in">rohit.kumar.2116007@nitie.ac.in</a>	+91 7983284463
<b>SPOC 2</b>	Amit Sharma	<a href="mailto:amit.sharma.2106001@nitie.ac.in">amit.sharma.2106001@nitie.ac.in</a>	+91 9375187100

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	10:30 AM– 10:45 AM	Meghna Maity, Ashesh Kumar Sinha, Shing Chang	Q-Learning Approach to Mitigate Bacterial Contamination in Food Supply Chain	Direct Submission
2	10:45 AM – 11:00 AM	Ali Toloouie, Ashesh Kumar Sinha	Designing reliable supply chain network under uncertainty with drones in last-mile delivery using heuristic approach	Direct Submission
3	11:00 AM – 11:15 AM	Gaurav Kumar, Oqais Tanvir and Akhilesh Kumar	A mixed integer linear programming modelling for optimal fleet planning for freight transportation by rail	3172
4	11:15 AM – 11:30 AM	Anushee Jain and Chandrasekharan Rajendran	A Mathematical Model-based Heuristic For Classification	5573
5	11:30 AM – 11:45 AM	Shrey Shri	Evaluation of Recursive Analytics via Greenfield Investments as a source of sustainable finance- Correlationbetween the Return on Investment (Margin%), Environmental Abstain and Levered Growth- Inferences	383
6	11:45 AM – 12:00 PM	Anandu B Ajith, Nikhil Rajesh, Chandana Pati, Vinod Pathari and Vinay V Panicker	Blockchain for Supply Chain for Perishable Goods	2311

## ICDAPS 2022 Tracks - Schedule

**Day 2: FN Technical Session 3**

**11<sup>th</sup> June 2022, 10:30 AM to 12:00 PM**

[Click here to join](#) (Password **icdaps**)

<b>Session Chair</b>	<b>Prof. Samir K Srivastava</b>	IIM Lucknow
<b>Session Co-chair</b>	<b>Prof. Sachin Jayaswal</b>	IIM Ahmedabad
<b>Faculty Coordinator</b>	<b>Prof. Rakesh Raut</b>	NITIE Mumbai

<b>SPOC 1</b>	Pramod Mahajan	<a href="mailto:pramod.mahajan.2106010@nitie.ac.in">pramod.mahajan.2106010@nitie.ac.in</a>	+91 8407930393
<b>SPOC 2</b>	Sagar Ghuge	<a href="mailto:sagar.ghuge.2019@nitie.ac.in">sagar.ghuge.2019@nitie.ac.in</a>	+91 8552827277

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	10:30 AM– 10:45 AM	Agni Ashok Malviy and Rofin T. M.	Optimal inventory policies for online sellers under free and flat rate shipping	9039
2	10:45 AM – 11:00 AM	Harshal Chauhan, Vijaya Dixit and Priyanka Verma	Implementing Industry 4.0 technologies in a Project Driven Supply Chain	7578
3	11:00 AM – 11:15 AM	Challa Narendra, Debabrata Das and Priyanka Verma	Discrete Particle Swarm Optimization for Warehouse Location Problem	4471
4	11:15 AM – 11:30 AM	Vinayak Gujarathi and Rofin T.M.	Optimization of the Operational cost along with minimization of the Emissions caused by the Supply chain network	2300
5	11:30 AM – 11:45 AM	Ashwin Kutty and Anish Sachdeva	Industrial Efficiency Improvement -A Case Study in Tyre Industry	2720
6	11:45 AM – 12:00 PM	Divya Ramachandran, Anupam Keshari and Manoj Kumar Tiwari	Contract Price Negotiation Using an AI-based Chatbot	3201

## ICDAPS 2022 Tracks - Schedule

**Day 2: FN Technical Session 4**

**11<sup>th</sup> June 2022, 10:30 AM to 12:00 PM**

[Click here to join](#) (Password icdaps)

<b>Session Chair</b>	<b>Prof. R. Sridharan</b>	NIT Calicut
<b>Session Co-chair</b>	<b>Dr. Sudhanshu Joshi</b>	Doon University
<b>Faculty Coordinator</b>	<b>Prof. Vidyadhar Gedam</b>	NITIE Mumbai

<b>SPOC 1</b>	Anupam Keshari	<a href="mailto:anupam.nifft@gmail.com">anupam.nifft@gmail.com</a>	+91 8890589171
<b>SPOC 2</b>	Rony Mitra	<a href="mailto:mitrarony92@gmail.com">mitrarony92@gmail.com</a>	+91 7718433830

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	10:30 AM– 10:45 AM	Selvan Simon and Hema Date	PREDICTING TOP COMPANIES IN CHANGING MACRO ECONOMY WITH MOVING WINDOW SYSTEM - A CONCEPTUAL REVIEW	5034
2	10:45 AM – 11:00 AM	Indira Roy, Lohithaksha M. Maiyar	Omnichannel distribution network design for fresh-food procurement considering freshness keeping effort and food quality loss	Direct Submission
3	11:00 AM – 11:15 AM	Harish Gunjal, Vaibhav Ingale, Shikhar Bhardwaj and Rajendra Belokar	Traceability of Unwitting Disclosure using Explainable Correlation in Procurement and Supply Chain	1279
4	11:15 AM – 11:30 AM	Satchidananda Tripathy and Akhilesh Kumar	Quantifying the quality grade of the return mobile phone in the context of a retail store	8876
5	11:30 AM – 11:45 AM	Nirmal Kumar and Sunil Kumar Choudhary	Supply chain of Technology delivery in Bihar for housing construction for Weaker section of society	8415
6	11:45 AM – 12:00 PM	Ratna Bhargavi Kocherla	Data Analytics and Machine Learning in Public Procurement and Supply Chain	6698

## ICDAPS 2022 Tracks - Schedule

### Panel Discussion - (11<sup>th</sup> June 2022, 12:15 PM to 1:15 PM)

#### Digitization in Public Procurement

##### Moderator

Mr. Rajesh Abrol	GM, Centre for Railway Information Systems
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##### Panel Members

Mr. Alok Kumar	Indian Railway Service of Engineers
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Mr. Prakash Mirani	Additional CEO Govt. e-Marketplace
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Mr. Manoj Kumar Sharma	Additional Director General (Retired), CPWD
------------------------	---

Prof. Shyamasunder	IIT Bombay
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## ICDAPS 2022 Tracks - Schedule

**Day 2: AN Technical Session 1**

**11<sup>th</sup> June 2022, 2:30 PM to 4:00 PM**

[Click here to join](#) ( password **icdaps**)

<b>Session Chair</b>	<b>Mr. Nand Lal Singh</b>	Special DG CPWD (retired)
<b>Session Co-chair</b>	<b>Mr. Sandeep Verma</b>	CMD, Rajasthan State Road Transport Corporation
<b>Faculty Coordinator</b>	<b>Prof. Ravindra Gokhale</b>	NITIE Mumbai

<b>SPOC 1</b>	Ashish Raj	<a href="mailto:ashish.raj.2106005@nitie.ac.in">ashish.raj.2106005@nitie.ac.in</a>	+91 7091658573
<b>SPOC 2</b>	Ayushi Chauhan	<a href="mailto:ayushi.chauhan.2020@nitie.ac.in">ayushi.chauhan.2020@nitie.ac.in</a>	+91 8198029416

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	2:30 PM– 2:45 PM	B.K.Sahay	Payment innovation for successful PPP	Direct Submission
2	2:45 PM – 3:00 PM	Santhosh Kannan D, Priyanka Verma and Vijaya Dixit	Role of Industry 4.0 in improving resilience of Project Driven Supply Chain	4682
3	3:00 PM – 3:15 PM	Dr.Sunil Kumar Chaudhary	A Holistic Approach to Supply Chain Management in Construction and Maintenance of Road	2202
4	3:15 PM – 3:30 PM	Dr.Sunil Kumar Chaudhary	A Systematic Approach to Environmentally Sustainable Public Procurement in Road Construction	5726
5	3:30 PM – 3:45 PM	Dr C Shree Charan and Fakhruddin Sheik	Procurement Analytics: Dynamic Model Development for Pharmaceutical Companies using Machine Learning – A Case Study Approach	9964
6	3:45 PM – 4:00 PM	Samir K Srivastava and Dhanshyam Mahavadi	Efficient Risk Mitigation strategies in Public Infrastructure Service contracts using Monte Carlo Simulation and DEA	Direct Submission

## ICDAPS 2022 Tracks - Schedule

**Day 2: AN Technical Session 2**

**11<sup>th</sup> June 2022, 2:30 PM to 4:00 PM**

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<b>Session Chair</b>	<b>Prof. Abhijit Majumdar</b>	IIT Delhi
<b>Session Co-chair</b>	<b>Dr. J K Jha</b>	IIT Kharagpur
<b>Faculty Coordinator</b>	<b>Dr. Vidyadhar Gedam</b>	NITIE Mumbai

<b>SPOC 1</b>	Rohit Kumar	<a href="mailto:rohit.kumar.2116007@nitie.ac.in">rohit.kumar.2116007@nitie.ac.in</a>	+91 7983284463
<b>SPOC 2</b>	Amit Sharma	<a href="mailto:amit.sharma.2106001@nitie.ac.in">amit.sharma.2106001@nitie.ac.in</a>	+91 9375187100

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	2:30 PM– 2:45 PM	Sanjeev Sinha, Subodh Srivastava, Bal Krishan Sahay and Abhinav Kumar	A Deep Learning-Based Reverse Logistics Model for Recycling Construction and Demolition Waste	7494
2	2:45 PM – 3:00 PM	Duryodhan Pendam and Rofin T M	Electric Vehicle and Charging Infrastructure Development: A Comprehensives review using science mapping and citation network analysis	8928
3	3:00 PM – 3:15 PM	Jagan Jacob and Fang Wan	Is telemedicine worth the effort? A study on the impact of cost of effort on a healthcare platform with heterogeneous preferences	8331
4	3:15 PM – 3:30 PM	Murugan Pugalenthil and Pankaj Chopra	Supplier Risk Intelligence Model – Application of advanced analytics to improve resiliency	7396
5	3:30 PM – 3:45 PM	Avinash Chandra Singh, Snehal Singhal and Asad Hasan Sahir	Developing Forecasting Models for Natural Gas Pricing	5717
6	3:45 PM – 4:00 PM	Jitender Chaurasia and Sanchali Das	A review of machine learning and statistical approaches for forecasting stock trends.	3935



## ICDAPS 2022 Tracks - Schedule

**Day 2: AN Technical Session 3**

**11<sup>th</sup> June 2022, 2:30 PM to 4:00 PM**

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<b>Session Chair</b>	<b>Prof. G. Srinivasan</b>	IIT Madras
<b>Session Co-chair</b>	<b>Dr. Yash Daultani</b>	IIM Lucknow
<b>Faculty Coordinator</b>	<b>Dr. Mainak Mazumdar</b>	NITIE Mumbai

<b>SPOC 1</b>	Pramod Mahajan	<a href="mailto:pramod.mahajan.2106010@nitie.ac.in">pramod.mahajan.2106010@nitie.ac.in</a>	+91 8407930393
<b>SPOC 2</b>	Sagar Ghuge	<a href="mailto:sagar.ghuge.2019@nitie.ac.in">sagar.ghuge.2019@nitie.ac.in</a>	+91 8552827277

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	2:30 PM– 2:45 PM	Abhijeet Ghadge and D G Mogale	Big Data Analytics and its Applications in Supply Chain Management: A Literature Review	6007
2	2:45 PM – 3:00 PM	Dr Vikash Sharma, Md Arfinul Haque, Ayon Saha, Prof Nishikant Mishra	Big Data Analytics for Smart Operations in Service or Manufacturing Sector using Invoice Automation System	Direct Submission
3	3:00 PM – 3:15 PM	Vivek Suneja	The Rationale for Ethics in Public Procurement: A Transaction Costs Perspective	Direct Submission
4	3:15 PM – 3:30 PM	Karn Harsora and Dr Ajay Gupta	INTERMITTENT DEMAND FORECASTING FOR HANDTOOLS IN FORGING INDUSTRIES: A SVM MODEL	2991
5	3:30 PM – 3:45 PM	Dr.Kvn Lakshmi Lakshmi, Dr. Y Fathima Fathima, R Ravichandran Ravichandran and Mr. Sathyanarayana Sathyanarayana	AN EMPIRICAL STUDY ON RECRUITMENT MANAGEMENT SYSTEMS: START OF A NEW ERA	2785
6	3:45 PM – 4:00 PM	Vishwas Patil, Rk Shyamasundar, Abhilaksh Maheshwari and Pranav Patel	Evolving Goals of Supply-Chains: A Case Study in Healthcare using Blockchain Technology	2917

## ICDAPS 2022 Tracks - Schedule

**Day 2: AN Technical Session 4**

**11<sup>th</sup> June 2022, 2:30 PM to 4:00 PM**

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<b>Session Chair</b>	<b>Prof. Hema Date</b>	NITIE Mumbai	
<b>Session Co-chair</b>	<b>Dr. Priyanka Verma</b>	NITIE Mumbai	
<b>Faculty Coordinator</b>	<b>Dr. Maheswar Singha Mahapatra</b>	NITIE Mumbai	
<b>SPOC 1</b>	Anupam Keshari	<a href="mailto:anupam.nifft@gmail.com">anupam.nifft@gmail.com</a>	+91 8890589171
<b>SPOC 2</b>	Puja Sarkar	<a href="mailto:puja.sarkar.2116005@nitie.ac.in">puja.sarkar.2116005@nitie.ac.in</a>	+91 9073264859

Sr. No	Slot Time	Authors' Name	Paper Title	Paper_ID
1	2:30 PM– 2:45 PM	Anil Kumar and Sudhanshu Joshi	Challenges in adoption and acceptance of E-Procurement in supply chain practices in oil and Gas Industries: A Global overview	7062
2	2:45 PM – 3:00 PM	Richa Singh, Priyanka Verma, and Vijaya Dixit	Analysis of critical success factors for implementing blockchain technology in a project-driven supply chain by the Neutrosophic-AHP	Direct Submission
3	3:00 PM – 3:15 PM	Palvai Ravi Ram Reddy and Arshinder Kaur	Steel Price Forecasting for better Procurement decisions: Comparing Tree-Based Decision Learning Methods	1391
4	3:15 PM – 3:30 PM	Neeraj Kumar Sahani, Vijaya Dixit, Priyanka Verma	SNA application in Blockchain Technology Adoption: A gap analysis using TAM and Degree Centrality	Direct Submission
5	3:30 PM – 3:45 PM	Kai Sun, Vikas Kumar and Meng Wang	Understanding the Role of E-procurement and Blockchains in Government Tendering- A Case of China	1937
6	3:45 PM – 4:00 PM			

### Closing Ceremony (11<sup>th</sup> June 2022, 4:00 PM to 5:00 PM)

Keynote Speech – Prof. Christopher Tang, UCLA Anderson School, USA	4:00 PM - 4:30 PM
Valedictory Function	4:30 PM - 5:00 PM

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