



PMI presents
Project Management
Research & Academic Virtual Conference
3 - 6 MARCH, 2021

ENHANCING PROJECT PERFORMANCE: APPLICATION OF AI AND DECISION SCIENCE

Wednesday, 3rd March, 2021 (Timings below are in Indian Standard Time)	
Pre-Conference Workshop on AI/ML in Project management	
10:00 am to 11:30 am	Session 1: Dr. Swetava Ganguly, Senior ML Scientist, Apple Inc.
11:45 am to 1:15 pm	Session 2: Ms. Aparna Joshi, Chief Architect, Analytics & Insights, TCS
PhD workshop with Mentors	
2:00 pm to 4:00 pm	Prof. Shankar Sankaran, Professor, UTS, Sydney Prof. Ashwin Mahalingam, Associate Professor, IIT Madras Prof. Vivek Khanapuri, Professor, NITIE, Mumbai
Workshop for Accreditation to PMI (By invitation only)	
5:00 pm to 8:00 pm	Prof. Vittal Anantatmula, Professor, Western Carolina University Prof. Shankar Sankaran, Professor, UTS, Sydney Prof. Karuna Jain, Professor, IIT Bombay



Thursday, 4th March, 2021 (Timings below are in Indian Standard Time)	
Inaugural Session of the Conference	
2:00 pm to 3:00 pm	Prof. K N Satyanarayana, Director, IIT Tirupathi, Chairman, AAG, PMI India Dr. Srinivasa, Regional Managing Director, PMI South Asia Prof. Subhasis Chaudhuri, Director, IIT Bombay Shri. Ananth Krishnan, Executive Vice President, TCS
3:10 pm to 4:00 pm	Keynote address on: Digitalization - the foundation for application of AI and Decision Science in Infrastructure Project Management Dr. Anantha Sayana, CDO, L&T
4:00 pm to 4:05 pm	Break
Session 01: Paper Presentations	
Topic: Data Analytics in Managing Projects	
Session Chair: Prof. Tapash Ganguli	
4:05 pm to 4:30 pm	Paper: Integrating Artificial Intelligence in Project manager's Decision-Making Process: A look at Built Environment Projects Authors: Tushar Jadhav, Rahul Deshpande and Tapash Ganguli
4:30 pm to 4:55 pm	Paper: A Framework to Manage Data Science Initiatives Authors: Sandeep Mathur, Shankar Sankaran, Samuel MacAulay and Ivor Tsang
4:55 pm to 5:20 pm	Paper: Data Analytics to Evaluate Public Value from Megaprojects Authors: Ganesh Devkar, Yongjian Ke, Sandeep Mathur, Johan Ninan, Shankar Sankaran, Ivor Tsang and Lauri Vuorinen
5:20 pm to 5:45 pm	Paper: Classification of Safety Observation Reports from a Construction Site: An Evaluation of Text Mining Approaches Authors: Jai Kedia, Vurukuti Tarani, Nikhil Bugalia and Ashwin Mahalingam
5:45 pm to 6:10 pm	Paper: Blockchain Technology in Project Management Authors: Purva Gupta and K. C. Iyer
6:10 pm to 6:15 pm	Break
Session 02: Paper Presentations	
Topic: Advanced Construction Project Management	
Session Chair: Prof. Jyoti Trivedi	
6:15 pm to 6:40 pm	Paper: Enhancing Decision Quality To Manage Risks in Complex Long Gestation Projects Authors: Suparna Kapoor and G. Srikantha Sharma
6:40 pm to 7:05 pm	Paper: Success Traits of Power Projects: Empirical Analysis Authors: Achintya Ghatak and Adarsh Garg
7:05 pm to 7:30 pm	Paper: Developing an Integrated Framework for Heavy Construction Equipment Management Platform Author: Nandan Kumar Da and Dr. Jyoti Trivedi
7:30 pm to 7:55 pm	Paper: Development of A Feasibility Study Framework for UAVs in The Indian Construction Industry Author: Georgie Jacob and Bhargav Dave
7:55 pm to 8:20 pm	Paper: Role of Modern Tools in Construction Projects Author: Dhruv Patel, Rohan Jain and Dr. J. S. Sudarsan



Friday, 5th March, 2021 (Timings below are in Indian Standard Time)	
Special Keynote address	
11:00 am to 11:50 am	Special Keynote address on: Application of Digital Solution in Project Management By Mr. Achal Khare, Managing Director, NHRCL (National High Speed Rail Corporation Ltd.)
Session 03: Paper Presentations Topic: ICT in Construction Projects Session Chair: Prof. Venkata Santosh Kumar Delhi	
1:45 pm to 2:10 pm	Paper: Integration of Project Management in Construction Industry 4.0 Framework Authors: Surya Srinivas A. V. S. S. and Vijaya Dixit
2:10 pm to 2:35 pm	Paper: A Critical Review on BIM for Construction Safety Management Authors: Shalaka Hire, Kirti Ruikar, Sayali Sandbhor and C. B. Amarnath
2:35 pm to 3:00 pm	Paper: Integrating BIM, Lean and Green Building Concepts for a Residential Building – An Experimental Study Authors: Ankita Anand, Mohit Kumar, Akshita Patel, Vaibhav Kumar, Dhiraj R. K. Sharma and Shobha Ramalingam
3:00 pm to 3:25 pm	Paper: Modelling Interactions of Lean-Agile Enablers in Construction Project Management using Interpretive Structural Modelling (ISM) Authors: Vijayeta Malla, Ravindranadh K.Chowdary and Saniya Faiyaz Patharwat
3:25 pm to 3:50 pm	Paper: Life Cycle Asset Management of Buildings Using Database Management System Authors: Akansha Kunjam and K. V. Jayakumar
3:50 pm to 3:55 pm	Break
Session 04: Paper Presentations Topic: Challenges in Project Management Session Chair: Prof. Shobha Ramalingam	
3:55 pm to 4:20 pm	Paper: Overcoming Barriers to Creating Integrated Global Teams Author: Anand Lokhande
4:20 pm to 4:45 pm	Paper: Financial Drivers of Binding Dispute Resolution in Construction Firms: A Panel Data Investigation from India Authors: Murali Jagannathan, Harish Kumar Singla and Venkata Santosh Kumar Delhi
4:45 pm to 5:10 pm	Paper: The Challenge of Megaprojects in Oil & Gas Industry: A Report from The Field Author: Unni Krishnan
5:10 pm to 5:35 pm	Paper: One Nation One Market Project- Identifying challenges and way forward Authors: Aweek Dutta, Bade Mihir Umesh and Rupesh Kumar Pati
5:35 pm to 6:00 pm	Paper: Construction Project Risk Management Using Change Propagation Method (CPM) for Complex Projects Authors: T. M. Vijayashree and Trivedi Jyoti
6:00 pm to 6:10 pm	Break
Keynote address	
6:10 pm to 7:00 pm	Keynote address on: Towards collaborative human-robot work in construction projects through adoption of BIM and AI By Prof. Vineet Kamat, Professor, University of Michigan, USA



Saturday, 6th March, 2021 (Timings below are in Indian Standard Time)	
Session 05: Paper Presentations Topic: Project Cost and Risk Management Session Chair: Prof. Murali Jagannathan	
2:00 pm to 2:25 pm	Paper: Factors Influencing The Effort To Estimate Project Indirect Cost Accurately in Construction Projects in India: An Exploratory Study Authors: Harish Kumar Singla, Srividhya Sridharan and Murali Jagannathan
2:25 pm to 2:50 pm	Paper: Correlation Between Project Completion Time and Cost in A Project Crashing Analysis for A Research Project Authors: Shivam Sharma, Nishit Bedi and Vijay Kumar Sukhwani
2:50 pm to 3:15 pm	Paper: Critical Risk Factors in a BIM Project & their Significance in Indian Real Estate/Infrastructure Sector Author: Pallab Kumar Goswami
3:15 pm to 3:40 pm	Paper: Modelling Interactions of Lean-Agile Enablers in Construction Project Management using Interpretive Structural Modelling (ISM) Authors: Harish Reddy and Nagakumar M. S.
3:40 pm to 4:05 pm	Paper: Linking Project Risk Management and Top Management Commitment with Project Success: Mediating Role of Project Innovativeness and Project Flexibility in Financial Services Authors: Pankaj Tiwari and Suresha B.
4:05 pm to 4:10 pm	Break
Expert Panel Discussion	
4:10 pm to 5:10 pm	Changing Landscape of Project Management - (Business Agility, flexibility, digitalization, technology change and resilience) Dr. Srinivasiyan, Regional Managing Director, PMI South Asia (Moderator) Prof. V. T. Chandra Sekhar Rao, Dean, L&T IPM Prof. Saji Gopinath, Vice Chancellor, DSIT, IIITM Kerala Prof. K. N. S. Acharya, Global Engineering Academy, L&T Technology Solutions Ltd.
PMI South Asia Academic Awards Ceremony	
5:15 pm to 5:30 pm	Prof. K. N. Satyanarayana, Director IIT Tirupathi, Chairman, AAG, PMI India
Valedictory Session	
5:30 pm to 6:00 pm	- Announcement of the best paper - Vote of Thanks - Summary of proceedings