

NICMAR Research Publications Details

(April 2013 – March 2014)

Research Paper Publications (Faculty Members)

1. Paper Published in Journal

a) Print Journal

i) **International Journal**

1. Das, B. B. and Mitra, A. (Feb., 2014). Nanomaterials for Construction Engineering - A Review. *International Journal of Materials, Mechanics and Manufacturing*, Vol. 2, No. 1, pp. 41-46.
2. Desai, V. (2013) Functional Suitability of BIM Tools in Pre-Construction, Construction and Post-Construction Phases of a Building Project. *International Journal of 3-D Information Modeling*, IGI Publishing, USA. Vol. 2, No. 2, pp. 30-44.
3. Edison, J. C. (2013). An Analysis of the Fastest Growing Construction Firms in the Real Estate Sector of India. *International Journal of Business and Management Studies*. Vol. 2, No. 2, pp. 163-187.

ii **National Journal**

1. Abhyankar, A., Paliwal, M., Patwardhan A. and Inamdar, A. (Nov. 2013). Identification of Vulnerable Areas in Municipal Corporation of Greater Mumbai due to Extreme Events based on Socio Economic Indicators. *Indian Journal of Geo-Marine Sciences*. Vol. 42, No. 7, pp. 907-914.
2. Agarwal, A. L. and Rajput, B. (Feb., 2014). Integration of Project Management Software with Construction. *Preliminary Publication of Indian Building Congress*. Vol. XXI, No. 1, pp. 155-158.
3. Bani A. K., Mutha, K., Tayal, T. and Gosavi, A. D. (2014). Redevelopment of A Defunct Power Plant into a Central Business District – A Feasibility Study. *International Journal of 3R's*. Vol. 4, No. 4, pp. 14-25.
4. Bani A. K., Mutha, K., Tayal, T. and Gosavi, A. D. (Oct.-Dec. 2013). Redevelopment of A Defunct Power Plant into a Central Business District – A Feasibility Study. *International Journal of 3R's*. Vol. 4, No. 4, pp. 14-25.
5. Das, B. B., Singh, D. N. and Pandey, S. P. (Feb., 2014). Influence of Initial Curing Humidity on Compressive Strength and Ultrasonic Properties of Concrete. *The Indian Concrete Journal*. Vol. 88, No. 2, pp. 48-56.
6. Deshpande, P. M. and Dawande, S. D. (April, 2013). Application of Horizontal Spiral Coil Heat Exchanger Volatile Organic Compounds (VOC) Emission Control. *Journal of Environmental Sciences and Engineering*, Vol. 55, No. 2, pp. 245-252.
7. Gosavi, A. D., Agarwal, A. and Keshav A. (2013). Unusual Reasons and Mitigating Measures of Time and Cost Overrun in Construction of a Steel Plant. *Novel Research Kaleidoscope*. Vol. 2, No. 2, pp. 101-113.
8. Gupta, R. (Jan-June, 2013). Risk Assessment Failure of Male Airport. *IMT Case Journal*, Vol. 3, No. 2, pp. 20-39.

9. Jain, Sameer, Keerthikumar, V., M., Mehata, H. S (April, 2013). Sustainability of E-Tendering in Current Scenario for Construction Industry. *Journal of Indian Building Congress*. Vol. XX, No. 2, pp. 31-41.
10. Jain, Sameer. (April, 2013). ZigBee in Wireless Communication. *International Journal of Advance Research*. Vol. 1, No. 4.
11. Keerthikumar, V., Mehta H. M. and Jain, Sameer. (Feb., 2014). Building Construction Process Using e-Tendering with Web-Services. *Preliminary Publication of Indian Building Congress*. Vol. XXI, No. 1, pp. 128-133.
12. Koner, J. and Purandare, A. (2013). FDI and Economic Growth in India, *Perspectives on Management*, Vol. 5, No. 1 & 2, pp. 38-43.
13. Mallick, R. B., Radzicki, M. Nanagiri, Y. Veeraragavan, A. (Dec. 2013). The Impact of Road Construction on Depletion of Natural Aggregates and Consequence of Delay in Recycling Pavements – Key Factors in Sustainable Road Construction. *Indian Highways*. Vol. 5, No. 4, pp. 159-165.
14. Pai, S. (April, 2013). Aerodynamics and Use of Tuned Mass Damper to Reduce Wind Effect and Seismic Vibration of Building. *Indian Streams Research Journal*, pp. 1-8.
15. Pai, S. (Feb., 2014). Multi-Project Management using Critical Chain Project Management (CCPM) – The Power of Creative Engineers. *Yuva Engineers*. Vol. 3, No. 3, pp. 21-26.
16. Patil, V. (Oct.-Dec., 2013). Supreme Court Judgment In BALCO Case And International Commercial Arbitration. *NICMAR – Journal of Construction Management*, Vol. XXVIII, No. 4, pp. 61-66.
17. Pawar, A and Rajput, B. (Feb., 2014). Role of Information in Disaster Management. *Preliminary Publication of Indian Building Congress*. Vol. XXI, No. 1, pp. 215-220.
18. Rai, S. (Dec., 2013). Exploratory study on HRM practices in the Indian manufacturing sector: A Case. *ITM Journal of Management Research*. Vol. 7, No. 3, pp. 56-65.
19. Rai, S. (June, 2013). Re-Thinking Workforce Diversity in the Context of India. *The Journal of Strategic Human Resource Management*. Vol. 2, No. 2, pp. 1-10.
20. Rajhans, K. (Dec., 2013). Analysing Modern Woman's Quest and Suffering: A Psychological Exploration of Muriel Spark's Novel. *The IUP Journal of English Studies*. Vol. VIII, No. 4, pp. 57-66.
21. Rajput, B. (2013). Time and Cost Comparison of Construction of RCC, Steel and Composite Structure Building. *The IUP Journal of Structural Engineering*. Vol. VI, No. 4, pp. 41-59.
22. Ramakrishna, N. (April-June, 2013). Streamlining The M & E Of Land Acquisition And R & R In Large Infrastructure Projects Using IT. *NICMAR – Journal of Construction Management*, Vol. XXVIII, No. 2, pp. 63-68.
23. Ramakrishna, N. (July, 2013). Faulty-lines in Master Plans and Plan Making for City Development: Reform Agenda. *Economic Digest*. Vol. XLII, No. 2, pp. 16-19.

24. Ramana, K. R. and Rambabu, M. Web Based Safety Management System. *Preliminary Publication of Indian Building Congress*. Vol. XXI, No. 1, pp. 150-154.
25. Ravinder, B. and Srinivas, K. (June, 2013). Trussless Roofing. *Construction World*, Vol. XV, No. 9, pp. 10-12.
26. Shah, M. N. (April, 2013). Sustainable Smart Systems in Real Estate. *Journal of Indian Building Congress*. Vol. XX, No. 2, pp. 233-241.
27. Sundrani, D. (April, 2013). Instant Buildings: A Case Study of Instacon, Mohali. *Journal of Indian Building Congress*. Vol. XX, No. 2, pp. 188-192.
28. Sundrani, D. (Feb., 2014). Use of MSP in Computer Aided Project Management. *Preliminary Publication of Indian Building Congress*. Vol. XXI, No. 1, pp. 123-127.
29. Sundrani, D. (July, 2013). Exploring the Digital Divide in Real Estate Buying in India. *Institute of Management Education Journal*. Vol. 7, No. 2, pp. 10-19.
30. Swain, H. and Mohapatra, S. (Sept., 2013) A Comparative Study of Leadership Factors Affecting Public and Private Sector Banks in India : An Employee Perspective. *Prabhandhan: Indian Journal of Management*. Vol. 6, No. 9, pp. 28-36.

b) Online Journal

1. Agarwal A. L., Rajput B. and Satpute, M. (2013). Model Formulation to Estimate Manpower Demand for the Real-Estate Construction Projects in India. *Organization, Technology & Management in Construction: An International Journal*. Vol. 5, No. 2, pp. 828-833.
2. Giridharan, S. and Thomas, A. (Sept., 2013). Adaptability of BIM in India's Aviation sector Projects. *International Journal for Engineering Research and Technology*. Vol. 2, No. 9, pp. 273-279.
3. Jain, Sachin and Phadtare, M. (March-May, 2013). Studying Potential Use of Automation for Infrastructure Construction in Indian context. *American International Journal of Research in Science, Technology, Engineering & Mathematics*. Vol. 2, No. 1, pp. 60-63.
4. Jain, Sameer, Vinay, K. Deshmukh, V. and Rawat, V. (July-August 2013). Application Based Integration of CRM and SCM under E-Business Environment for Construction Industry. *International Journal of Emerging Trends & Technology in Computer Science*. Vol. 2, No. 4.
5. Mahajan, D. (June, 2013). A Study of Correlation of Software Development Project's Team Size with it's Quality Variances – A Study of Selected Software Development Projects. *International Journal of Business Intelligents*. Vol. 2, No. 1, pp. 88-91.
6. Mahajan, D. and Rajput, B. (2013). IT model to Calculate Required Equipments for Excavation Work in Construction Projects. *KICEM Journal of Construction Engineering and Project Management*. Vol. 3, No. 4, pp. 1-4.
7. Pai, S., Satya D. Rani, S. K. (Sept., 2013). Human Resource Management Techniques Dealing With Deficit & Retention of Skilled Labor in Construction Industry. *International Journal of Scientific and Research Publications*. Vol. 3, No. 9.

8. Ramakrishna, N. (July-Dec. – 2013). Urban Poverty Alleviation through Service Delivery: Fund-based Approach to Finance Urban Services for the Poor in India. *Urban India*, Vol. 32, No. 2, pp. 93-111.
9. Rajaprasad, S.V.S. (August, 2013). Analysis of Implementation of Behavior Based Safety Programme in Indian Construction Segments Using TOPSIS. *International Journal of Industrial Engineering and Technology*. Vol. 3, No. 3, pp. 11-19.
10. Rajaprasad, S.V.S., Rao Y.V.S.S.S.V. and Chalapathi P. V., (Oct., 2013). Prioritizing the Element of OHSAS-18001 in Construction Segments in India – AHP Approach. *International Journal of Occupational Hygiene*. Vol. 5, No. 4, pp. 159-165.
11. Rajaprasad. S.V.S. (Jan-June, 2013). Evaluation of Safety Performance in Indian Construction Segments Using Data Envelopment Analysis. *Asia Pacific Journal of Business and Management*, Vol. 4, No. 1, pp. 1-13.
12. Rajaprasad. S.V.S. (July, 2013). Empirical Analysis of Evaluation of Line Managers Perceptions towards Safety in an Indian Construction Organization. *Asian Journal of Management Research*. Vol. 3, No. 2, pp. 430-438.
13. Rajaprasad. S.V.S. (June, 2013). Study on Validation of Wholesaler Selection of Personal Protective Equipment to Improve Safety Performance in a Construction Organization in India. *International Journal of Managing Value and Supply Chains*. Vol. 4, No. 2, pp. 7-24.
14. Yadav, S. and Sharma, A. (April, 2013). Methodology to Evaluate Technology in The Housing market. *Journal of Construction Engineering, Technology and Management*. Vol. 4, No. 1, pp. 14-25.

2. Paper Published in Proceedings

1. Gosavi, A. D., Ghalsasi, A. J., Bani, A. K. and Tayal, T. (2014). Buildability Aspects of Green Construction: Case Study of Centre for Climate Change Research (CCCR), IITM, Pune. *Proceedings of Green Build – 2014*. Published by The Institution of Engineers (India), Nagpur. pp. 46-51.
2. Malsane, S. (Jan., 2014) Building Information Modeling: A Tool for Green Built Environment. *Proceedings of All India Seminar on Innovations in Green Building Technology*. Published by The Institution of Engineers (India), Nagpur. India
3. Pai, S. (2013). Integration of Green Technology and Rain Water Harvesting into Low Cost Housing. *Proceedings of International Conference on Emerging Trends in Engineering and Technologies*. Delhi. India.
4. Ramakrishna. N. (Feb., 2013). Inclusive Urban Planning and Development through the Earmarking Of Land and Housing for the Urban Poor. *Proceedings of 61st National Town and Country Planners Congress (NTPC)*. Ahmadabad. India. pp. 203-209.
5. Sahu, P. K. and Patil, G. R. (2014). Classification of Indian Major Seaports Using Hierarchical Grouping Method and Their Demand Estimation Models. *Proceedings of TRB 2014 Annual Meeting*. Published by TRB Transportation Research. Washington D. C., USA.

6. Shah. M. N. and Madurwar. (Jan. 2014). Water Conservation and Water Management Model through Institute, Industry and NGO Collaboration – A Case Study. Green Build 2014. *Proceedings of All India Seminar on Innovations in Green Building Technology*. Published by The Institute of Engineers (India), Nagpur. pp. 168-171.
7. Syed, I. A., Singh, P. and Jain, S. (March, 2014). An Efficient System to Identify User Attentiveness Based on Fatigue Detection. IEEE Eplere. *Proceedings of International Conference on Information Systems and Computer Networks*, India.

3. Paper Published in Book Chapter / Edited Book

1. Das, B. B. (April, 2013). Some Sustainable Materials for Energy Efficient Building Design. *Nanotechnology Construction Engineering (Edited Volume)*. Vol. 9, pp. 69-92.
2. Koner, J. and Purandare, A. Pahadia A. and Tiwari, A. (2013). Impact of Infrastructural Investment on Per-capita Income in India. *Management Practice and Strategies in Dynamic Global Environment (Edited Book)*. University of Mumbai and Lancer's Books, pp. 427-431.
3. Ramakrishna N. and Shah, M. N. (2014). Public Private Partnership in Roads Sector in India. *Academic Reference Series (Edited Book)*. Bloomsbury Publishing India Pvt. Ltd., India. pp. 241-263.
4. Roy, D. (2013). Risk Allocation in Concession Agreement for PPP Road Project in India *Urbanization in Asia, (Edited Book)*, Springer, Chapter 7, pp. 119-136.

4. Research Paper Publications (Student)

1. Anand, Kunal and Sharma, Siddharth. (2013). A comparative study B/W black cotton soil and alluvial soil for economical pavement design by lime & fly-ash stabilization. *International Journal of Advances in Management, Technology & Engineering Sciences*. Vol. 3, No. No. 1 (3), pp. 16-23
2. Haji, S., Shetti, A. P. and Das, B. B. (Feb. 2014). Bridge Management Practices through Life Cycle Cost Analysis. *Proceedings of All India Seminar on Advances in Construction Technology*, Published by The Institute of Engineers, Odisha State Centre, Bhubaneswar, India. pp. 5-9.
3. Shetti, A. P., Haji, S. and Das, B. B. (Feb. 2014). Application of Risk and Sensitivity Analysis in Life Cycle Cost Assessment. *Proceedings of All India Seminar on Advances in Construction Technology*, Published by The Institute of Engineers, Odisha State Centre, Bhubaneswar, India. pp. 47-53.
4. Shukla Awanish. (2013). Experimental investigation on CNC lathe waste with recycled concrete aggregates in concrete mix. *International Journal of Advances in Management, Technology & Engineering Sciences*. Vol. 3, No. 1 (2), pp. 92-96.