



IPM

L&T INSTITUTE OF PROJECT MANAGEMENT



Dr. Avirag Bajpai

B.Tech, M.Tech (IIT Madras),
Ph.D. (IIT Kanpur)

Area of Expertise

- Construction Project Management
- Project Site Administration and Control
- Multi-Criteria Decision Making
- Project Risk Management
- Project Cost Management

Dr. Avirag Bajpai is an Associate Professor at the L&T Institute of Project Management at Vadodara. He holds a Ph.D. in Industrial & Management Engineering from IIT Kanpur and M. Tech in Construction Technology & Management from IIT Madras. He has over thirteen years of professional and academic experience before joining L&T IPM. He was employed with reputed organizations such as the National Institute of Construction Management and Research (NICMAR University) and Larsen and Toubro (L&T Construction).

As a faculty member, he was involved in regular student teaching, Management Development Programmes (MDPs), and academic administration. He delivered sessions and coordinated MDP programs for Military Engineering Services, AFCONS, SPCPL, L&T, NPPL (Pidilite), SCPL, and others during his tenure as faculty at NICMAR with excellent instructive feedback. Dr. Bajpai was also involved in developing the syllabus for the new university-level course for MBA in Advance Project Management.

Dr. Bajpai has more than eleven years of construction industry experience in addition to his academic credentials. He has experience in construction site planning and execution, as well as project planning and coordination in the electrical distribution sectors across India. He also worked as a project controller and deputy project manager for a public client in a utility power distribution project.

Project Risk Management, Project Management Tools, Site Administration, and Multi-Criteria Decision Making are among his teaching specialties. He is passionate to use a modern approach in his discussions that includes real-life cases, role plays, and other activities. He has also authored research articles, presented at international conferences, and published in reputed national and international journals. His research focuses on risk management, digitalization enablers, project delivery, and operational issues related to the construction.

Qualifications

- Ph.D. from Industrial & Management Engineering, Indian Institute of Technology Kanpur, Kanpur
- M. Tech in Construction Technology and Management from Indian Institute of Technology Madras, Chennai
- B. Tech in Electrical and Electronics Engineering from Uttar Pradesh Technical University, Lucknow, Uttar Pradesh

Publications

- Bajpai, A., and Misra, S. C. (2022). A Framework for Continuation of Digitalization in Construction: A PLS-SEM Approach. *Engineering, Construction, and Architectural Management* Vol. ahead-of-print No. ahead-of-print ('A' in ABDC)
- Bajpai, A., & Misra, S. C. (2021). Barriers to implementing digitalization in the Indian construction industry. *International Journal of Quality & Reliability Management*. Vol. ahead-of-print No. ahead-of-print ('B' in ABDC)
- Tikate, H. and Bajpai, A. (2022). Challenges for Implementation of BIM in Affordable Mass Housing Projects. *NICMAR-Journal of Construction Management*. Vol. 37, No. 2, pp. 5-15 (UGC-CARE, Category I)
- Bajpai, A., & Misra, S. C. (2021). Analyzing key barriers for adoption of digitalization in the Indian construction industry: a case study. Book Chapter in *Progress in Advanced Computing and Intelligent Engineering* (pp. 683-693). Springer, Singapore (SCOPUS Indexed).
- Bajpai, A., & Misra, S. C. (2020, June). Assessment of Success Determinants for Implementing Digitalization in the Indian Construction Industry. In *2020 IEEE International Conference on Engineering, Technology, and Innovation (ICE/ITMC) Cardiff, United Kingdom* (pp. 1-6) (SCOPUS Indexed).
- Bajpai, A., & Misra, S. C. (2020, October). Identifying critical risk factors for use of digitalization in the construction industry: A case study. In *2020 IEEE India Council International Subsections Conference (INDISCON), Vizag, India* (pp. 124-128) (SCOPUS Indexed).
- Tikate, H. and Bajpai, A. (December 2021). Challenges for Implementation of Building Information Modelling in Affordable Mass Housing Projects. *5th International Conference on 'Construction, Real Estate, Infrastructure and Project Management*. Organized by NICMAR, Pune, India (Best Paper Award).