

Exponent®
Engineering & Scientific Consulting

Raag Lavingiya

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Professional Profile

Mr. Lavingiya is a construction consultant specializing in the fields of construction management, project controls and sustainability. He leads complex programs and projects in the utility space, leveraging his engineering and management skills, and provides dispute resolution and delay analysis services, leveraging his exceptional analytical abilities.

Mr. Lavingiya provides project management and controls services, including scheduling and coordination, progress tracking and cost forecasting for projects and programs in energy utility industries. He develops program-level reports and dashboards for performance monitoring and reporting.

Mr. Lavingiya has experience with construction claims analysis including schedule and delay analysis, and dispute resolution on projects across infrastructure, waste management, residential and commercial construction.

Prior to joining Exponent, Mr. Lavingiya worked as a schedule/cost analyst Intern with a large commercial general contractor based in California. During his tenure there, he worked on project controls, dispute resolution, and implementation of innovation in scheduling across projects in the organization.

Mr. Lavingiya also has international construction experience working for a large Indian infrastructure general contractor in a joint venture with Japanese developers. His experience included subcontractor management, field operations and project controls on a railroad infrastructure project.

Mr. Lavingiya earned his MS in Civil and Environmental Engineering at UC Berkeley with specialization in Engineering & Project Management. He also received the Certificate in Engineering and Business in Sustainability for pursuing his interest in the field of sustainability.

Academic Credentials & Professional Honors

M.S., Civil and Environmental Engineering, University of California, Berkeley, 2022

B.Tech., Civil Engineering, Sardar Vallabhbhai National Institute of Tech, 2019

Licenses and Certifications

Project Management Professional (PMP)

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Prior Experience

Schedule and Cost Analyst Intern, Swinerton Builders

Graduate Student Researcher, University of California, Berkeley

Assistant Manager, IRCON International (Formerly Indian Railway Construction Company)

Publications

Kumar Viswanathan, S., Panwar, A., Kar, S., Lavingiya, R., & Jha, K. N. (2020). Causal modeling of disputes in construction projects. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 12(4), 04520035.

Project Experience

Utilities

Led the project management efforts of corrosion protection device installation on ~800 towers a year. As a project manager, works with various stakeholders and facilitates the flow of work through environmental, design and engineering, permitting, construction and commissioning and testing phase.

Develops program-level reporting, dashboards, and tools for various programs to effectively communicate program and project progress, stakeholder dependencies, risk identification and mitigation, performance monitoring, variance analysis, and resource forecasting.

Infrastructure

Managed the construction of several under-bridges as part of a $500 million ~180 km freight railroad construction in India and led a team of subcontractors to fast track the high-priority work.

Performed project control functions for seven Road-under-bridges (RUBs) and managed the site execution of the projects. Led value engineering effort and negotiated with many stakeholders, resulting in a 7% cost saving.

Residential and Commercial Construction

Worked with project controls teams of a residential and commercial contractor organization to improve the scheduling practices in the general contractor organization.

Performed resource optimization and levelling analysis including line of balance on a large-scale mixed-use project to streamline the flow of self-perform work. Also, prepared clear and actionable schedule for the onsite crews utilizing the BI capabilities.

Dispute and Claims support

Infrastructure

Supports a team of experts on construction claims related to schedule and cost overruns of a multimillion-dollar Infrastructure project.

Residential Development

Performs schedule and delay analysis, provides scheduling support and advisory services to developers and owners to communicate schedule delay impact on large-scale projects

Part of team that provides advisory services to clients in contract preparation in preconstruction phase to tailor to specific needs and constraints of project and mitigate disputes before project commencement.

Pursued loss of productivity claims for self-performing divisions of general contractor companies on variety of projects.