KUNAL SHINDE, E.I.T.



EDUCATION:

M.S. in Mechanical Engineering, *2019*
Arizona State University, Tempe, AZ, US
(Core focus: Finite Element Analysis (FEA), Structural Analysis)
B.Eng. in Mechanical Engineering, *2016*
Mumbai University, Mumbai, MH, India

EXPERIENCE:

Project Manager, Knott Laboratory LLC	(Aug 2026 – Present)
Design Engineer II, ProValue Engineering	(Jan 2025 – Aug 2026)
Design Engineer I, ProValue Engineering	(Jan 2020 – Dec 2024)

FORENSIC ENGINEERING:

Mr. Shinde has conducted site investigations, field measurements, and structural evaluations of new and existing facilities. His experience includes performing structural stability assessments, global stability analyses, structural member evaluations, lateral force-resisting system evaluations, and shear analyses. Through these efforts, he has supported code-compliant design and rehabilitation projects while delivering practical, value-engineered solutions that have resulted in significant cost savings for clients.

At Knott Laboratory, Mr. Shinde performs detailed site inspections of residential properties, evaluating weather-related damage (hail and wind), fire and vehicle-impact damage, and long-term issues such as age-related deterioration, moisture intrusion, foundation distress, and stucco-clad building envelope systems. His work focuses on identifying the cause and extent of damage, assessing structural performance, and developing appropriate repair recommendations.

CIVIL ENGINEERING DESIGN:

Mr. Shinde has developed civil engineering designs for residential and commercial projects, including site layouts, grading plans, utility networks, sanitary sewer systems, and stormwater infrastructure under the guidance of licensed engineers. He has also contributed to the structural design and detailing of transportation and infrastructure components, including box culverts, stormwater structures, foundations, and utility support systems. His experience additionally includes performing percolation testing, preparing boundary and site-related documentation, and developing engineer's cost estimates for various civil projects.

In the structural engineering field, Mr. Shinde has designed wood-framed structural systems for multi-story residential developments, including gravity and lateral force-resisting systems, shear wall analyses, and roof and floor diaphragm detailing

PROFESSIONAL AFFILIATIONS:

National Council of Structural Engineers Associations
Structural Engineers Association of Arizona
American Society of Civil Engineers