Uttam Kumar Pal, PMP, CST

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Professional Summary

Construction scheduler experienced in developing CPM baseline schedules, managing cost-loaded schedule updates, analyzing construction progress, and preparing project controls reports using Primavera P6. Over two years of site engineering and construction management experience involving municipal roads, public works, and building construction. Ph.D. candidate in Construction Management, graduating May 2027.

Technical Skills

- **Scheduling:** Primavera P6, Microsoft Project, CPM, baseline and bid schedule development, WBS development, activity sequencing and schedule logic, cost loading, monthly schedule updates, look-ahead schedules, critical path analysis, DCMA 14-point schedule assessment
- **Project Controls & Reporting:** Earned value management (EVM), construction progress measurement, schedule performance analysis, cost forecasting, schedule narratives, S-curves, Power BI
- **Construction Management:** Quantity takeoffs, cost estimating, drawing and specification review, RFI and submittal management (Procore), drawing review and markups (Bluebeam Revu)

Professional Experience

Assistant Scheduler (Part-Time, Remote) May 2025 – Present
DCR Consulting & Engineering, Laramie, WY

- Developed 8 CPM baseline schedules for U.S. Department of Veterans Affairs (VA) healthcare, telecommunications modernization, and other construction projects valued at up to $30M, including schedules with up to 2,000 activities.
- Manage monthly updates for 21 cost-loaded schedules in Primavera P6 using project managers' progress data to track completed work, identify schedule impacts, and support contractor payment applications.
- Prepare monthly project controls reports, including critical path reviews, look-ahead schedules, earned value analysis, schedule narratives, and cost forecasts to support project managers' scheduling and reporting needs.
- Managed RFIs, submittals, and weekly progress reporting across 15 VA projects using Procore in 2025.

Civil Engineer Nov 2022 – Dec 2023
Kathmandu Metropolitan City Office, Nepal

- Prepared quantity takeoffs and engineer's estimates for 3 municipal road and footpath projects totaling $1.2M, with project lengths ranging from 1,000 to 1,600 feet.
- Prepared bid documents and evaluated 20+ contractor bids for public works contracts valued up to $1M.
- Conducted monthly QA/QC inspections of road and building construction, identifying deficiencies in reinforcement, pavement thickness, and building components; documented findings contributed to approximately $100K in withheld contractor payments.
- Assessed pavement conditions across approximately 3 miles of municipal roads to support maintenance and rehabilitation planning.

Site Engineer Sep 2021 – Oct 2022
Ambuja Construction Pvt. Ltd., Nepal

- Supervised daily construction activities and coordinated crews of 10–15 workers on road and office building projects, monitoring field progress and construction sequencing.
- Prepared Bills of Quantities for bidding and verified completed field quantities for monthly interim payments of up to $50K.

Education

University of Wyoming, Laramie, WY
Ph.D. in Civil Engineering, Construction Management — Expected May 2027
M.S. in Civil Engineering, Construction Management — Expected Dec 2026

Tribhuvan University, Pulchowk Campus, Lalitpur, Nepal
B.E. in Civil Engineering — Oct 2021

Certifications

- Project Management Professional (PMP), Project Management Institute — 2026
- Certified Scheduling Technician (CST), AACE International — 2026
- OSHA 30-Hour Construction Safety and Health, OSHA-authorized training — 2024
- FAA Part 107 Remote Pilot Certificate, Federal Aviation Administration — 2025
- Registered Civil Engineer, Nepal Engineering Council — 2021

Teaching Experience

Teaching Assistant, University of Wyoming

- **Introduction to Construction Management (Fall 2026):** Led sessions on Primavera P6 scheduling, construction plan reading, and pull planning using the Last Planner System.

Technical & Research Projects

Graduate Research Assistant, University of Wyoming — Jan 2024 – Present

- Led LiDAR scanning and 3D modeling for 5 reality-capture projects across Wyoming, including historic structures at Fort Laramie National Historic Site.
- Co-authored 12 peer-reviewed journal articles on construction safety, delays, and infrastructure risk, including an Editor's Choice Award paper on construction delay prediction. Full publication list on Google Scholar.

Honors and Awards

- NSF ConstructionCI CyberTraining Fellow, selected as one of 13 fellows nationally — 2026
- Entrepreneurial Lead, NSF Great Plains I-Corps Hub (UW Regional Cohort) — 2026
- ASTM International Project Grant, selected as one of four recipients nationwide — 2024

Leadership

President, Friends of Nepal, University of Wyoming — 2025 – 2026

- Led a 13-member executive board, managed a $13K annual budget, and organized a campus cultural event attended by 400+ participants.

President, Civil Engineering Students' Society, Nepal — 2019 – 2021

- Organized the 11th National Civil Engineering Exhibition, attracting 2,000+ participants.