

Curriculum vitae (CV)

Position Title and No.	Asst. Prof./Civil Engineer/Technical Auditor
Name of Expert:	Mr. Narayan Timilsena
Date of Birth:	2042/09/17BS (1st Jan 1986)
Citizenship	Nepali

Education:

Ph.D. Scholar	Civil Engineering	TU, IOE, Pulchowk Campus	
M.Sc.	Construction Management	PU, Pokhara Engineering College, Pokhara, Nepal	2017
B.E.	Civil Engineering	TU, IOE, Western Region Campus, Pokhara, Nepal	2009

Contact details:

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Professional Experience:

Period From December, 2009 to till Now
Employer Spiral Engineering & Educational Consultancy Pvt. Ltd.
Position held Civil Engineer/Technical Auditor/Procurement Expert
Description of Duties:

As a Civil Engineer:

- **Design and Planning:** Develop and design construction plans, including structural, sanitary and water supply systems. Analyze survey reports, maps and other data to plan projects.
- **Project Management:** Coordinate with architects, engineers contractors and clients to ensure project requirements are met. Monitor project progress and prepare reports for stakeholders.
- **Compliance and Safety:** Ensure all projects comply with local, state and federal regulations. Conduct risk assessments and ensure safety measures are implemented on-site.
- **Quality Control:** Inspect project sites to ensure standards are being maintained. Test materials and soil to ensure quality and safety.
- **Budgeting and Cost Estimation:** Prepare cost estimates and budgets for projects. Monitor and control expenditure throughout the project lifecycle.

As a Technical Auditor:

- **Audit Planning:** Develop audit plans and schedules based on risk assessments and client needs. Determine audit objectives scope and criteria.
- **Evaluation and Analysis:** Assess the effectiveness of processes and controls within projects. Analyze technical documents, including drawings and specifications to ensure compliance.

- **Reporting:** Prepare detailed audit reports outlining findings, risks and recommendations. Present audit findings to management and stakeholders.
- **Process Improvement:** Identify areas for improvement and develop action plans to enhance efficiency and effectiveness. Monitor the implementation of recommended changes.
- As a Procurement Expert**
- **Supplier Management:** Identify and evaluate potential suppliers based on quality, cost, and reliability. Establish and maintain relationships with key suppliers and vendors.
- **Contract Negotiation:** Negotiate contracts, terms and conditions with suppliers to secure the best deals. Ensure compliance with procurement policies and procedures.
- **Cost Management:** Analyze market trends and pricing to ensure competitive procurement. Develop strategies to reduce costs and improve efficiency.
- As a Loss Assessor**
- **Damage Assessment:** Conduct site inspections to assess damage and determine the cause. Evaluate the extent of loss and document findings with photographs and reports.
- **Claims Evaluation:** Analyze insurance policies to determine coverage and liability. Prepare and submit detailed reports to insurance companies and clients.
- **Negotiation:** Work with insurance adjusters to negotiate settlements and ensure fair compensation. Assist clients in understanding the claims process and resolving disputes.
- **Risk Management:** Identify potential risks and recommend measures to mitigate future losses. Provide guidance on loss prevention strategies and safety improvements.
- As a Property Valuer**
- **Valuation Analysis:** Conduct property inspections to gather data on location, condition, and features. Analyze market trends, comparable sales, and economic factors affecting property values.
- **Reporting:** Prepare detailed valuation reports for clients, including appraisals and market analyses. Present findings and recommendations to stakeholders.
- **Compliance:** Ensure valuations comply with industry standards and regulatory requirements. Stay updated with changes in valuation methodologies and legal regulations.
- **Client Consultation:** Advise clients on property investment, development potential, and market conditions. Provide guidance on maximizing property value and return on investment.

Professional Experience:

Period From January, 2017 to till Now (Part time)
Employer Institute of Engineering, Consultancy Service (IECS)
Position held Third Party Verification/Project Reviewer/Procurement Expert
Description of Duties:

- For Third-Party Verification**
- **Independent Assessment:** Conduct independent reviews of project documentation, designs and plans to verify compliance with standards. Inspect construction sites to ensure that work is performed according to approved designs and specifications.
- **Quality Assurance:** Verify that materials and workmanship meet contractual and industry quality standards. Ensure that all construction activities comply with regulatory and safety requirements.

- **Documentation Review:** Examine project records, including permits, licenses, and inspection reports, to ensure completeness and accuracy. Verify that all required documentation is in place before project milestones are reached.
- **Reporting and Recommendations:** Prepare detailed verification reports outlining findings, discrepancies, and recommended corrective actions. Communicate verification results to clients, project teams, and regulatory bodies as needed.
- **Conflict Resolution:** Mediate disputes between project parties by providing unbiased assessments and recommendations. Assist in resolving issues related to non-compliance or deviations from project plans.

As a Project Reviewer

- **Document Review:** Examine project documentation, including plans, specifications, contracts, and reports, to ensure completeness and accuracy. Verify that all project documents align with the project scope, objectives, and client requirements.
- **Compliance Verification:** Ensure that the project complies with local, state, and federal regulations, industry standards, and safety codes. Confirm that environmental, zoning, and legal requirements are addressed in project plans.
- **Design and Technical Assessment:** Evaluate engineering designs and technical solutions to ensure feasibility and alignment with project goals. Identify potential design issues and recommend solutions to improve functionality and efficiency.
- **Quality Assurance:** Assess the quality management plans and procedures to ensure adherence to quality standards. Conduct audits of project processes to verify that quality control measures are implemented effectively.
- **Cost and Budget Analysis:** Review project cost estimates and budgets to ensure accuracy and alignment with project objectives. Identify potential cost overruns or savings opportunities and recommend adjustments as needed.
- **Risk Management:** Identify potential risks and uncertainties that could impact project success. Recommend mitigation strategies to minimize identified risks and enhance project resilience.
- **Schedule Evaluation:** Analyze project timelines and schedules to ensure they are realistic and achievable. Identify potential delays or bottlenecks and recommend strategies to maintain project timelines.
- **Stakeholder Communication:** Communicate findings and recommendations to project teams, clients, and stakeholders. Facilitate meetings and discussions to address concerns and ensure alignment on project objectives.
- **Continuous Improvement:** Identify areas for process improvement and recommend changes to enhance project efficiency and effectiveness. Stay updated with industry trends and best practices to apply innovative solutions to projects.
- **Final Review and Approval:** Conduct final reviews of completed projects to ensure all objectives, requirements and standards are met. Provide formal approval or recommendations for revisions before project completion and handover.

Period

From April, 2021 to till date

Employer

Tribhuvan University, Institute of Forestry

Position held

Asst. Professor

Description of Duties:

- Teaching for Master and Bachelor level student engineering related subjects (Forest Engineering & Survey, Wood Engineering, Urban Forestry & Landscaping etc.)
- Supervision of project for Bachelor level final year students.

- Supervision of Thesis work for Master level final year students.
- Conduct different research projects as a team leader and member on the behalf of IOF.

Period **From December, 2012 to April, 2021**
Employer **Institute of Engineering, Western Region Campus, Pokhara**
Position held **Asst. Professor**
Description of Duties:

- Teaching for Master, Bachelor and Diploma level student in civil engineering related subjects (Construction Management, Cost Estimation, Transportation Engineering/Highway Engineering, Rural Road Engineering, Bio-Engineering etc.)
- Supervision of project work in Building Design, Rural Road design for Bachelor level final year students.
- Supervision of Thesis work for Master level final year students.
- Supervision of survey camping for Bachelor level student.

Period **From December, 2009 to April, 2013**
Employer **Pokhara University, School Of Engineering, Lekhnath-12, Kaski**
Position held **Lecturer**
Description of Duties:

- Teaching for Bachelor level student in civil engineering related subjects (Construction Project Management, Engineering Economics, Surveying I & II)
- Supervision of survey camping for Bachelor level student.

Period **From August, 2010 to June, 2018 (Part Time)**
Employer **Pokhara Engineering College, Pokhara**
Position held **Lecturer**
Description of Duties:

- Teaching for Bachelor student in civil engineering related subjects (Construction Project Management, Engineering Economics, Transportation Engineering I & II) as a Lecture.
- Supervision of project work in Rural Road design for Bachelor level final year students.
- Supervision of survey camping for Bachelor level student.

Period **From November, 2009 to July 2013 (Part Time)**
Employer **Lama Construction Company Pvt. Ltd.**
Position held **Project Engineer**
(Reconstruction and Rehabilitation of Dovilla-Phelebas Road Sub Project, Package I at Parbat District, Reconstruction and Rehabilitation of Kagbeni-Jhaite Road Sub Project, Package II at Mustang District, Construction of RCC Bridge over Malandi Khola in Dovilla-Phelebas Road at Parbat District.)

Description of Duties:

- Overall advise on projects management
- Survey, Design and Layout
- Making work schedule and break down structure for projects planning and their implementation
- Making procurement schedule of materials and equipments.
- Human resource management
- Frequently visit in sites and monitoring of construction works

- Checking interim payment certificates and final bills before present to owners
- Making progress reports
- Carry out laboratory testing of material and quality control tests as per requirement of site etc.

Key Experiences:

- Third party verification of newly constructed building of Rastriya Banjiya Bank Limited province office building, Pokhara, Kaski; Branch office building Lahan, Siraha; Nepaljung, Banke; Mahendranagar, Kanchanpur as a Civil, Sanitary, Water supply engineer and procurement expert on the behalf of T.U. IECS.
- Variation order settlement at Agriculture and Forestry University, Rampur, Chitwan (different projects run by AFU) as a Civil engineer and procurement expert on the behalf of T.U. IECS.
- Preparation of detailed project report and supervision of Sarashowti Mandir construction project at T.U. Prithivi Narayan Campus, Pokhara as a individual consultant.
- Preparation of detailed project report for the construction of ward office building at Pokhara Metropolitan City, Ward No. 33 as a team leader on the behalf of SEEC.
- Preparation of detailed project report and supervision of Academic Building construction project at T.U. Prithivi Narayan Campus, Pokhara as a team leader on the behalf of SEEC.
- Preparation of detailed project report and supervision of Academic Building construction project at CTEVT, Rapti Technical School, Dang as a team leader on the behalf of SEEC.
- Preparation of Soil Investigation & Detailed Project Report (DPR) For Multipurposed Building & Park at Dhadako Chaur Pokhara Metropolitan City, Ward no 33, Kaski as a team leader on the behalf of SEEC.
- Preparation of River System Integrated Resource Management Plan (Rapti-1, Rapti-3, Thute Shikaribas, Narayani-1, Binayi Tribeni River Systems) as a civil/forest engineer on the behalf of IOF.
- Studying quality/strength of five major tree species of Madesh Province by extensively lab test of wood as a wood engineer and team leader on the behalf of T.U. IOF.
- Preparation of River System Integrated Resource Management Plan (Ghurmi, Kamala-9, Banke-Hardi, Bagmati-10, Pasaha River Systems) as a civil engineer on the behalf of T.U. IOF.
- Project planning, design and preparation of detailed project report of RCC overhead water tank at IOM, Pokhara Campus, Pokhara as a consultant engineer and coordinator of training and consultancy service IOE, Paschimanchal Campus.
- Project planning, design and preparation of detailed project report of Academic and Administration Building at Tu, Lamjung Campus, Lumjung as a consultant engineer and coordinator of training and consultancy service IOE, Paschimanchal Campus.
- Project supervision, contract management, quality control, bill checking/forwarding of Research and Information Center (RIC) Building at Paschimanchal Campus, Pokhara as a consultant engineer on the behalf of IOE, Consultancy Service.
- Project supervision, contract management, quality control, bill checking/forwarding of Office and Academic Building (PUIDP-IX and PUIDP-XI) at Pokhara University, Pokhara as a consultant engineer on the behalf of IOE, Paschimanchal Campus.

- Project Design/Drawings, cost estimation, preparation of tender documents, supervision, contract management, quality control, bill checking/forwarding of Class room Building at Prithivi Narayan Campus, Pokhara as a consultant engineer on the behalf of IOE, Paschimanchal Campus.
- Project supervision, contract management, quality control, bill checking/forwarding of Office buildings at National Examination Board, Gandaki Province Office, Pokhara as a consultant engineer on the behalf of IOE, Consultancy Service.
- Detailed engineering survey, preparation of topographical map of Lohandra Khola Bridge & Syphon, Sunsari Morang Irrigation Project, Morang as a consultant engineer on the behalf of IOE, Consultancy Service.
- Detailed engineering survey, preparation of topographical map of Solar electric fencing project, Jhapa as a consultant engineer on the behalf of IOE, Consultancy Service.
- Detailed Survey, Design, Cost estimation and preparing Bill Of Quantity and Tender document of Rangkhola-Biruwa Rural Road Sub Project (8km) with the use of LEP approach as a consultant of RAIDP & District Development Committee, Syangja
- Joint survey, design and quantity calculation of Kagbeni-Jhaite Road Sub Project Package II (5km) with Lama Construction Company Pvt. Ltd. and RRRSDP District Project Office, Mustang and Supervision & Management of construction work as a project engineer of Lama Construction Company Pvt. Ltd.
- Joint survey, design and quantity calculation of Dovilla-Phelebas Road Sub Project Package I (8.5km) with Lama Construction Company Pvt. Ltd. and RRRSDP District Project Office, Parbat and Supervision & Management of construction work as a project engineer of Lama Construction Company Pvt. Ltd.
- Detailed survey, Design and Cost estimation of Putalikhhet-Uniachaur Road Project (6km) as a consultant of Putalibazar municipality office, Syangja.
- Detailed survey for a Malebagar Khel Maidan and prepared detailed report with design and cost estimation.
- Detailed survey for a pumped water supply scheme at Chandibhanjang, Syangja and prepared detailed report with design and cost estimate.
- Prepared detail report with design and cost estimation of Hunkhet reservoir tank project/ Thhadachaur water conservation project(reservoir tank) at Humla district.
- Prepared detail report with canal design and cost estimation of Bhuwakhola, Deukhuri, Ludekhola, Odharkhet & Thadaura irrigation Project at Humla District.
- Detailed survey of Aglodada Green Park/ Fulbari Green Park/ Ganespur Khel Maidan at Syangja district and prepared detailed report with design and cost estimation etc.
- About 500 km road (LRN and SRN) design, drawings, cost estimation and tender documents preparation for different projects.

Research paper and Article published:

- Timilsena, N. (2024). Association Between Demographic Characteristics of Users' and Overall Satisfaction with Water Supply Service. *International Journal of Science, Technology and Society*, 12(3), 96-107. <https://doi.org/10.11648/j.ijsts.20241203.11>
- Timilsena, N. "Users' Satisfaction With Domestic Water Supply in Nepal – A Study in Lekhnath Small Town Water Supply and Sanitation Project". *Technical Journal*, vol. 2, no. 1, Nov. 2020, pp. 135-48, doi:10.3126/tj.v2i1.32851

- Er. Narayan Timilsena. "Bioengineering Techniques for Roadside Slope Stabilization in Nepal." International Journal of Engineering and Science, vol. 13, no. 1, 2023, pp. 12-19
- Sudip Acharya , Babu Ram Bhandari , Narayan Timilsina, 2021, Time Overrun Study in Construction Projects of Rural Municipalities in Syangja, Gandaki Province, Nepal, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 08 (August 2021),
- Er. Narayan Timilsena. "Commercial Building Valuation and Data Collection", Journal of NVA Vol. 1, 2023 (Hard Copy)

Membership of Professional Associations:

- Member in Nepal Engineering Association - Life member
- Member in Insurance Surveyor Association- General member
- Member in Nepal Valuers Association (NVA)
- Member in Society of Consulting Architectural & Engineering Firms (SCAEF), Nepal
- Member in Society of Transport Engineers, Nepal (SOTEN) - Life Member

Training/Seminar/Workshops:

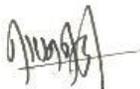
- Road & Bridge Engineering and Maintenance Technology for Nepal by Hunan International Business Vocational College from May 4th – May 31st, 2018 in Changsha, Hunan, China
- General Insurance Training Programme for Surveyor conducted by Beema Samiti (Insurance Board)
- "International Valuation Standard" training for valuers organized by Nepal Valuers' Association.
- "Technical Auditor's Training" conducted by National Vigilance Center (NVC).
- Auto Cad(2D/3D) & Sketch up 3D Training (6weeks)
- Participated on seminar "Application of Remote sensing & GIS" Conducted by Department of Engineering Science & Humanities, WRC, Pokhara
- Participated In the "Talk Programme on Importance of Lightning Protection & Awareness" organized by Department of Engineering Science & Humanities, WRC, Pokhara
- Participated in National Conference on Construction Project Administration in Nepal organized by Pokhara Engineering College etc.

Computer Competency:

- Auto Cad 2D/3D
- Sketch Up 3D
- Structural Analysis Programme(SAP), Etabs
- Arc GIS 9.2
- Microsoft office package, Adobe package, web designing and basic knowledge in computer hardware.
- Software developed by RWSSFD and SOFTWEL for water supply project.
- Software developed by SOFTWEL and SMART ROAD for road design.
- Software for Irrigation project design
- Microsoft Project/ Primavera
- MaxQDA, SPSS

Certification:

I hereby certify to the best of my knowledge and belief that this curriculum vitae describes me fairly and correctly.



Narayan Timilsena, November, 2025