

Dr. Pradeep Kumar Shrestha

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Department of Civil Engineering
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Professional Experience

Assistant Professor (November 2018 – Till Date)

Institute of Engineering, Pulchowk Campus, Pulchowk, Lalitpur, Nepal

Responsibilities: Taking theoretical/laboratory courses related to Transportation Engineering for BE and MSc. Students as well as supervising final year students of BE and MSc in their project and research works.

Transportation Engineer, EcoCode Nepal Pvt. Ltd. Nepal

- *Bus Route and Vehicle Standard Survey for preparing Standard Criteria for Route permits – Far Western and Mid-Western Region (2016 July – 2017 April)*
- *Bus Route and Vehicle Standard Survey for preparing Standard Criteria for Route permits – Western, Central and Eastern Region (2017 October – 2018 June)*

Team Leader, Transportation Engineer, GeoCom International Pvt. Ltd. Nepal

- *Preparation of Guideline for Minor Road Safety Structure (2017 February – 2017 June)*

Assistant Professor (2014 July – Till date)

Acme Engineering College, Kathmandu (Affiliated to Purbanchal University, Nepal)

Responsibilities: Taking theory and laboratory courses on Transportation Engineering, Bio-Engineering, Rural Road Engineering, Transport Planning, Airport and Railway Engineering, Engineering Economics, Design of RCC structure etc.

Traffic/Transportation Engineer (2010 February – 2014 June)

TEAM Consulting Engineering and Management Co. Ltd., Bangkok, THAILAND

- *The Construction of Mass Transit System Project in Bangkok Bang Sue - Rangsit. (Red Line)*
- *Patheingyi Port Industrial Zone and Commercial Development in Myanmar*
- *Feasibility Study of parallel road to Borommaratchachonnani Elevated Road*
- *Survey, Design and Analysis to address the issues of Traffic Flow along Phet Kasem Road*
- *Traffic analysis for developing transport infrastructure in Din Daeng, Bangkok*
- *Comparative Infrastructure Development Assessment of Thailand and Korea*
- *Feasibility Study, Detailed Design and EIA of Urban Monorail System*

Post Doctoral Researcher (October 2009 - January 2010)

Department of Civil Engineering, Yokohama National University, JAPAN

Lecturer (November 2005- September 2006)

Department of Civil Engineering, Khowpa Engineering College, Nepal

Academic Background

Doctor of Engineering in Civil Engineering, 2009, **Yokohama National University**, Japan
Master of Engineering in Transportation Engg, 2005, Asian Institute of Technology, Thailand
Bachelor of Engineering in Civil Engineering, 2002, IOE Pulchowk Campus, T.U. , Nepal

Award and Scholarship

- **Nepal Vidhyabhushan “Ka”** for accomplishing PhD in Civil Engineering
- **Japanese Government Scholarship (Monbu(kagaku)sho Scholarship)** for pursuing Doctoral Degree at Yokohama National University, Japan, (2006 Oct-2009 Sep)
- **AIT Full scholarship** for studying M. Eng. (2003 Aug. - 2005 May) in Asian Institute of Technology, Thailand

General Research Interest Areas

- Transport Modeling, Traffic Simulation, Road Safety, Traffic Demand Modeling, Public Transport

Experienced Research Areas

- Traffic Simulation, Road Safety, Traffic Demand Modeling, Traffic Signal, Public Transport

Key Publications

Shrestha, P.K., Nakamura, F. and Okamura, T., 2011, Study on the Impact of Fare Collection Process with Multiple Fare Media on the Passenger Service Time at Bus Stop, *Journal of the Eastern Asia Society for Transportation Studies*, Vol.9, 2011, pp.1115-1127 (Online ISSN: 1881-1124)

Shrestha, P.K., Nakamura, F. and Okamura, T., 2010, Assessing the Optimal Location of Near Side Bus Stop to Enhance Advantages of Bus Signal Priority (BSP). *Journal of the Eastern Asia Society for Transportation Studies*, Vol.8, 2010, pp1314-1328 (Online ISSN: 1881-1124)

Shrestha, P.K., Nakamura, F. and Okamura, T., 2009, Study on Operation and Performance of Bus Priority Policies Considering Intended Platooning of Bus Arrivals, *Infrastructure Planning Review*, Vol.26, 2009, pp.743-752 (Online ISSN : 1884-8303, Print ISSN : 0913-4034)

Shrestha, P.K., Nakamura, F. and Okamura, T., 2008, Evaluation of the Effects of Combining Different Signal Priority Rules and Bus Operation at the Signalized Intersection, *Infrastructure Planning Review*, Vol. 25, 2008, pp.1034-1042 (Online ISSN : 1884-8303, Print ISSN : 0913-4034)

Shrestha, P.K., Tanabooriboon, Y. and Hanaoka, S., 2007, Study of Travel Factors Through Structural Equation Modeling Approach in Bangkok. *Journal of the Eastern Asia Society for Transportation Studies*, Vol.7, 2007, pp.556-569 (Online ISSN: 1881-1124)

Professional and Social Affiliations

- Registered Engineer Group A: Nepal Engineering Council (NEC) (Mem No. 3188)
- Member of Nepal Engineers's Association (NEA) – (Mem. No. 6233)
- Member of Madhyapur Thimi Municipality Engineering Society