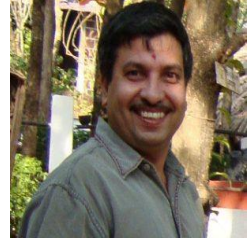


## Brief-Biography

*Bhola NS Ghimire, PhD*  
*Professor*  
*Department of Civil Engineering*  
*Institute of Engineering,*  
*Pulchowk Campus,*  
*Tribhuvan University,*  
*Lalitpur, Nepal,*  
[\*bholag@ioe.edu.np\*](mailto:bholag@ioe.edu.np)  
*Cell no.+977-951214646*



### Professional Experience

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- Professor : From Chaitra 12 2074 to Till now
- Associate Prof: From Baishakh 2068 to Chaitra 11, 2074
- Assistant Prof. : From Bhadra 2054 to Chaitra 2067

### Academic Background

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PhD, Water Resources Engineering, IIT Bombay, India, 2014  
Master, Hydropower Development, NTNU, Norway, 2006  
Bachelor, Civil Engineering, IoE, Nepal, 1995

### Award and Scholarship

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Nepal Vidyabhusan 'Kha'- Government of Nepal 2015  
IIT Bombay, Director's Scholarship Award 2008 to 2013

### General Research Interest Areas

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Water Resources Modelling and Uncertainty Analysis.

### Specific Research Interest Areas

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Water Resources and Hydropower Optimization.

### Experienced Research Areas

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Water Resources and Hydropower Optimization.

## Key Publications

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**Ghimire, B. N. S.** (2016). "Application of ARIMA Model for River Discharges Analysis." *Journal of Nepal Physical Society*, NPS, **Nepal**, Vol. 4 (1), PP. 27 – 32 .

**Ghimire, B. N. S.** (2016). "Integrated Operation policy of a Hydropower Reservoir for Real-Time Operation." *Proc. of International Conference of TRACE-2016*, Noida, **India**, 11-12 August 2016, PP. 715 – 724.

Shrestha, A. and **Ghimire, B. N. S.** (2016). "Optimal Operation of a Reservoir for Hydropower Production Using Stochastic Dynamic Programming." *Proc. of International Conference of TRACE-2016*, Noida, **India**, 11-12 August 2016, PP. 725 – 731.

**Ghimire, B. N. S.** (2015). "Revenue Variation of a Hydropower Project while Adopting Real-Time Reservoir Operation Policy", *Journal of Engineering Economic and Management*, **Nepal**, July 2015, Vol. 04, pp. 3 – 12.

**Ghimire, B. N. S.** and Reddy, M. J. (2014). "Optimization and Uncertainty Analysis of Operational Policies for Multipurpose Reservoir System." *Stoch. Environ. Res. Risk. Assess.*, **Springer**, Vol. 28(7), pp. 1815 – 1833. [DOI: 10.1007/s00477-014-0846-y].

**Ghimire, B. N. S.** and Janga Reddy, M. (2013). "Optimal reservoir Operation for Hydropower Production using Particle Swarm Optimization and Sustainability analysis of Hydropower." *ISH Journal of Hydraulic Engineering*, **Taylor and Francis**, Vol. 19(3), pp. 196 – 210. [DOI:10.1080/09715010.2013.796691].

**Ghimire, B. N. S.** (2013). "Use of Dynamic Programming for Multi-purpose Reservoir Operation." *Seminar Paper, 13<sup>th</sup> National Convention of Nepal Engineers' Association*, April 28-30, 2013, Kathmandu, **Nepal**, PP. 352 – 358.

**Ghimire, B. N. S.** and Janga Reddy, M. (2010). "Development of Stage-Discharge rating curve in River using Genetic Algorithms and Model Tree", *Advances in Statistical Hydrology, Taormina, Italy*. 11 Pages. *Online Publication-*  
[http://www.risorseidriche.dica.unict.it/Sito\\_STAHY2010\\_web/proceedings.htm](http://www.risorseidriche.dica.unict.it/Sito_STAHY2010_web/proceedings.htm)

## **Professional and Social Affiliations**

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- i. Life Member of NEPAL ENGINEER'S ASSOCIATION (Membership No : 2970 )
- ii. Member of Nepal University Teacher's Association (066-PC, NUTA , Nepal)
- iii. Nepal Engineering Council (Regd. no . NEC 1120 CIVIL 'A ' Category)
- iv. Life member of Indian Society of Hydraulics (ISH) (Regd. No. 789)
- v. Member of Nepal Hydropower Association (NHA) (Regd. No. I- 320)

## **Research Projects**

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1. Not Yet
  
2. Under application