Hemlal Bhattarai received Diploma and B.E. in Electrical Engineering from National Technical Training Authority (NTTA) and Royal University of Bhutan (RUB) in 2001 and 2005 respectively. Prior to joining teaching in 2006, he worked in Department of Power as Section Officer for a short while after completing his diploma and School Planning and Building Division, Ministry of Education after his undergraduate (i.e., B.E.). He completed his Master of Technology in 'Power and Energy System' from the National Institute of Technology, Karnataka, India in 2009. Since 2012 he served as Head of Department for Electrical Engineering and from 2015 as the Dean of Research & Industrial linkages at Jigme Namgyel Engineering College (JNEC), RUB. He has thus been associated in the Management post for almost 10years by now.

Apart from his teaching and managerial responsibilities, he has been active in research and innovative works. He has been associated with many international conferences/publications including IEEE as program committee, keynote speaker, scientific committee and reviewer. In 2020 alone, he has been involved for resourcing 12 international trainings/workshops, 6 webinars, reviewer in 9 different international conference, 7 keynote presentation in international conference and published two chapters in different books. His area of interests includes power engineering and energy system with major focuses on Renewable Energy. He is also the recipients of International Golden Award as "Dynamic Academician Award 2020 2.0", Eudoxia Research Centre in 2020, "251 Global Fabulous Education Leaders awards" from world education congress in 2019 and "Bronze Medal" for his dedication services from the Royal Government of Bhutan in 2017.

Currently he is serving as faculty & Dean of Research & Industrial Linkages, JNEC, RUB and also the focal for Thematic Working Group (TWG) on Energy from Bhutan for ICIMOD. He is also the Project Advisory Committee (Currently chair of the committee) for Erasmus project "Strengthening Problem Based Learning in South Asian Universities" (2019-2023) in which JNEC is one of the partner college along with colleges/universities from India, Nepal and Europe.