

ROYAL UNIVERSITY OF BHUTAN

Curriculum vitae

1. **Name:** Hemlal Bhattarai
2. **Designation: Dean Research and Industrial Linkages**
Lecturer: Department of Electrical Engineering
Former Head of Department: Department of Electrical Engineering
3. **Date of birth:** 07/03/1976
4. **Gender:** Male
5. **Date of initial appointment:** 01/01/2006
6. **Qualification (Starting with the highest qualification)**

Institution/University	Country	Period of study		Degree obtained
		From (mm/yyyy)	To (mm/yyyy)	
National Institute of Technology	India (Surathkal)	2007	2009	M-Tech.
College of Science and Technology	Bhutan (Rinchending)	2001	2005	B.E
Royal Bhutan Polytechnic	Bhutan	1998	2001	Diploma

7. **Employment history (Starting with the latest position):**

Name of agency	Designation	Length of service	
		From	To
Jigme Namgyel Engineering College	Dean Research and Industrial Linkages	01/09/2015	Till Date
Jigme Namgyel Engineering College	Head of Department of Electrical Engineering	01/08/2011	30/03/2015
Jigme Namgyel Engineering College	Lecturer	01/07/2006	Till Date
College of Science and Technology, Bhutan	Associate Lecturer	01/01/2006	30/06/2006
Department of Power	Section Officer	01/07/2001	10/09/2001

8. **Training Undergone:**

Sl. No.	Title of training	Institution/University /Country	Period
1	Advanced Training Programme on Intellectual Property Rights in the Global Economy for Least Developed Countries	Swedish Patent and Registration Office, PRV, Stockholm	3 Weeks
2	Research Management	India	1 Week
3	Leadership Training	Silpakom University, Thailand	1 Week
4	Academic Staff Mobility Program	Technical University of Lodz, Poland	1 Month

5	Academic Staff Mobility Program	Aristotle University of Thessaloniki, Greece	1 Month
6	Project Management for E-Governance	Bhutan	1 Week
7	Faculty Development Program on Entrepreneurship Development	Bhutan	1 Week
8	Application of Power Electronics to Non-Conventional Power Generation systems	NITK, India	1 Week
9	Power System & MATLAB Programming	SIT, India	1 Week

9. Expert Services

Sl. No.	Services	Activities/Items	Year
1	Conference Paper Reviewer, Local Organization Chair, Publicity Chair and Session Chair	Emerging Technologies of Information and Communications (ETIC) 2019	2018-2019
2	Journal Paper Reviewer	Bhutan journal of natural resources and development	2018
3	Conference Paper Reviewer	7th International Conference on Power Systems, 2017 (ICPS 2017) will be held at College of Engineering Pune (COEP), India from 21st to 23rd December 2017 . ICPS 2017 is technically co-sponsored by IEEE Pune Section and IEEE PES/IAS Chapter	2017
4	Resource Person	Training on Basic MATLAB for Scientific Research	2016
5	Resource Person	Training on Basic MATLAB for Scientific Research	2015

Membership to Boards/Committees/Leadership roles

Position	Period		College/agency
	From	To	
Dean Research and Industrial Linkages	Sept. 2015	Continue	Jigme Namgyel Engineering College
Head of Department, Electrical	Aug. -2011	March-2015	Jigme Namgyel Engineering College
College Management Committee	July 2015	Continue	Jigme Namgyel Engineering College

College Research Committee Chair	Sept. 2015	Continue	Jigme Namgyel Engineering College
Programme Board of Examiner Chair	2015	Continue	Department of Humanities and Management. Jigme Namgyel Engineering College
Programme Review Panel Member	2015	2015	Department of Electrical Engineering, College of Science and Technology
Project Management Team (member)	Aug. 2010	2014	Jigme Namgyel Engineering College
Construction Manager	2015	Continue	Jigme Namgyel Engineering College
Focal Person	2010	2017	Entrepreneurship Development Cell (EDC), Jigme Namgyel Engineering College
Focal Person for B.E. Power Engineering Programme	2015	Continue	Department of Electrical Engineering, Jigme Namgyel Engineering College
External Examiner	July 2014	June 2017	Department of Electrical Engineering, College of Science and Technology
Project Manager	October 2016	Jan-2019	Promotion of Energy Efficient Lighting Education in Nepal and Bhutan (ELNAB), Funded by EU
Project Management Team	Jan-2019	Continue	Strengthening Problem Based Learning in South Asian Universities, Funded by EU
Advisor	2017	Continue	Entrepreneurship Development Cell (EDC), Jigme Namgyel Engineering College

Awards received, if any

Title of Award	Year
RGoB fellowship for undergoing Diploma Programme	1998
RGoB fellowship for undergoing Bachelor Degree Programme	2001
GoI fellowship for undergoing Master Degree Programme	2007
NORAD funding for Research Visit to Nepal for RenewableNepal Program	2014
Erasmus Fellowship for One Month Academic Staff Mobility programme (research work) at AUTH, Greece	2015
Erasmus Fellowship for One Month Academic Staff Mobility programme (research work) at TUL, Poland	2016
Bronze Medal for the dedication services from Government	2016

Advance Training and Advisory Program on Intellectual Property Rights in Global Economy for Least Developed Countries (LDCs), WIPO, Sweden	2019
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10. Publications (Research and Scholarly engagement):

a. Presentation in Seminar and Conferences;

- i. Energy, Environment and Gross National Happiness-A case of Bhutan: - International Conference on Renewable Energy and Sustainable Development (RES2018), Gwalior, India, 2018.
- ii. Energy Efficiency In-line with Gross National Happiness (GNH)- International Awareness Raising Seminar on Promoting Energy Efficient Lighting Education, Kathmandu, 2017.

b. Research work as lead researcher and co-researcher;

- i. Biogas as Fuel-SREDE2017 Conference April-2017 (Thimphu, Bhutan)
- ii. “Analysis and forecast the Electrical Energy Demand and identify Energy Conservation potentials under Royal University of Bhutan (constituents’ colleges)”. 2016-2018
- iii. “Smart Billing and Green Parking System based on Arduino” 2017-2018
- iv. Analysis of Technical Losses in 33kV Feeder, JNEC Thruel Rig Sar Toed -2018
- v. Harmonic Distortion Analysis of MV substation, JNEC Thruel Rig Sar Toed -2018

11. Subjects taught Till Date:

Electrical Design, Drawing and Estimation, Energy Management and Auditing, Electronics, Power System, Utilization of Electrical Energy, Electrical Instrumentation, Switchgear and Protection, Electrical Power Generation, Research Methodology, High Voltage Engineering & Insulation Coordination, Power System Analysis & Stabilities, Illumination Engineering.

12. Others:

- i. **Project Manager:** *‘Promoting Energy Efficient Lighting in Nepal and Bhutan’*, (ELNAB), 2016-2019, Erasmus Project funded by European Union.
- ii. **Project Team Member:** *‘Strengthening problem-based learning in South Asian Universities’*, 2019-2021, Erasmus Project funded by European Union.
- iii. **Keynote Speaker:** International Conference on ‘Renewable Energy for Sustainable Development’ RESD-2018, Gwalior, India.
- iv. **Session Chair:** *International Conference on Emerging Technologies of Information and Communications (ETIC), JNEC, Bhutan*

Dewathang

Name: Hemlal Bhattarai

March-2019