



Mr. Kelzang Dorji

Lecturer

Dean of Student Affairs

Science and Humanities Department

College of Science and Technology

Mr. Kelzang Dorji is a dedicated academic and administrator currently serving as the Dean of Student Affairs at the College of Science and Technology (CST) under the Royal University of Bhutan. With 18 years of extensive experience in both academic and administrative roles, he has contributed significantly to student development, institutional governance, and academic excellence.

He has held various key positions at CST, including Head of the Department of Science and Humanities, Training Manager, Examination Controller, and Staff Secretary. In addition, he has chaired and served on numerous institutional committees such as the Games and Sports Committee, Hostel Management Committee, College Management Committee, and Programme Board of Examination, demonstrating strong leadership and commitment to holistic institutional development.

As an active Executive Member of the Centre for Disaster Risk Reduction and Community Development Studies (CDRR&CDS), and a member of the Technology, Innovation and Support Centre (TISC) under the Department of Media, Creative Industry & Intellectual Property (MoICE), he contributes to advancing innovation, research, and community engagement initiatives. He is also a member of STAR-C (Solar Technology Application Resource Centre), promoting renewable energy education and research.

In his current capacity, he oversees student welfare and engagement, teaches undergraduate engineering courses such as Engineering Physics, Engineering Mechanics, and Engineering & Electronic Materials, and develops academic modules for engineering programmes. His research interests span Renewable Energy, Disaster Management, and Social Science, reflecting a multidisciplinary approach to problem-solving and sustainable development.

He also supervises undergraduate engineering projects and frequently delivers guest lectures, seminars on Intellectual Property, and workshops on Solar Energy, demonstrating his passion for knowledge sharing and capacity building among students and professionals alike.

Qualification:

- **M.Sc. Physics with Electronics**, Gujarat University, Ahmedabad, India, 2010
- **B.Sc. General (A)**, Sherubtse College, Kanglung, Bhutan (Affiliated to Delhi University) 2005
- Certified in at least 4 edX courses in **Solar Energy**
- Certified in **PATENTS** and **PATENTS Search** under **WIPO Academy**

Publications

1. Chencho, Dechen Lhamo; Dorj Kelzang; (2017). Feasibility Study on Using Passive Infrared Sensor for Wild Pig Repellent System in Bhutan. International Journal of Science and Research (IJSR). 6 (17), 178-181.
2. Sarkar, Raju; Dorji, Kelzang; (2019). Determination of the probabilities of landslide events—a case study of Bhutan. Hydrology (MDPI). 6 (2), 52
3. Gariano, Stefano Luigi; Sarkar, Raju; Dikshit, Abhirup; Dorji, Kelzang; Brunetti, Maria Teresa; Peruccacci, Silvia; Melillo, Massimo; (2019) Automatic calculation of rainfall thresholds for landslide occurrence in Chukha Dzongkhag, Bhutan. Bulletin of Engineering Geology and the Environment. Springer Berlin Heidelberg Berlin/Heidelberg. 78 (6), 4325-4332.
4. Dikshit, A; Sarkar, R; Pradhan, B; Acharya, S; Dorji, K; (2019) Estimating rainfall thresholds for landslide occurrence in the Bhutan Himalayas. Water 11 (8): 1616