Curriculum Vitae

1. **Name: Jigme Namgyal**
2. **Position:** Associate Lecturer
3. **Employer:** College of Science and Technology,
   Royal University of Bhutan.
4. **Date of Birth:** 9th January 1992
5. **Nationality:** Bhutanese
6. **Education:**

College and/or university Attended	Degree/certificate or other specialized education obtained	Date Obtained
Suranaree University of Technology, Nakhon Ratchasima, Thailand	Master of Science (Applied Mathematics)	2022
Samtse College of Education, Royal University of Bhutan	Post Graduate Certificate in Higher Education	2018
University of New England, New South Wales, Australia	Bachelor of Science (Mathematics)	2014

7. **Responsibility and Membership in Professional Associations**:

- Treasurer, IEEE R10 Bhutan Subsection
- Member, IEEE R10 Bhutan Subsection
- Member, Centre for Renewable and Sustainable Energy Development (CRSED), College of Science & Technology, Royal University of Bhutan
- Member Secretary, Academic Committee, College of Science and Technology, Royal University of Bhutan
- Member, Academic Committee, College of Science and Technology, Royal University of Bhutan

8. **Current Job Profile**

1. Teach undergraduate mathematics courses to engineering students.
2. Develop and design mathematics modules for Bachelor of Engineering (BE) programmes.
3. Coordinate an international science and technology conference, managing logistics and engagement for national and international participants.
4. Conduct interdisciplinary research at the intersection of mathematics and modern technology, with a focus on machine learning and deep learning models.

9. **Publications**

1. Namgyal, J., Namgay,T., Galey, P., Denka,T. (2025). Short-Term Load Forecasting in Thimphu and Phuentsholing Regions Using Machine Learning and Deep Learning Techniques. *Zorig Melong: A Technical Journal of Science, Engineering and Technology,* Vol. 8(2), pp.180-194
2. Namgyal, J., & Schulz, R. (2023). Support vector machine models for diabetic retinopathy diagnosis and grading. *Suranaree Journal of Science and Technology*, 30(3), 030109, 1–16. https://doi.org/10.55766/sujst-2023-03-e02051

3. Namgyal, J., & Schulz, E. (2022). A novel decision method for multiclass twin support vector machines by average distance. *The First Annual Meeting in Mathematics (AMM2022)*, 57–76.
4. Namgyal, J. (2021). *Multiclass support vector machines for diabetic retinopathy diagnosis* [Master's thesis, Suranaree University of Technology]. SUTIR Repository. http://sutir.sut.ac.th:8080/jspui/handle/123456789/9404