

# Solar Radiation Data Quality Analysis and Gap Filling Approaches

A Thesis submitted by  
**Dharmesh Kumar**  
**PG201281002**

*in partial fulfillment of the requirements for the award of the degree of*  
**Doctor of Philosophy**



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

**Indian Institute of Technology Jodhpur**  
**Center for Excellence, Energy**  
**Dept. of Mechanical Engineering**  
*February 2018*