**Wind and Solar Resource Assessment**

The course content for the online training has been carefully thought out syllabus with speciﬁc subject experts giving lectures and going through speciﬁc case studies such that, at the end of the course considerable useful knowledge transfer is perceived.

**The course will address the following aspects**

**Wind Resource Assessment:**

* Introduction to Wind Energy Technology and its Status
* Introduction to Wind Resource Assessment
* Wind Resource Assessment techniques
* Site Selection for Wind Monitoring Stations (WMS)
* Installation, Instrumentation and Commissioning of WMS
* Met Mast and Modern Measurement Techniques including measurement using remote sensing instruments (SODAR & LiDAR)
* Wind Data Collection, Validation, Analysis & Reporting
* Software tools for Wind data Analysis
* Wind Resource Mapping & Atlas
* Wind Energy Production and Analysis

**Solar Resource Assessment:**

* Introduction to Solar Energy and Radiation
* Introduction to Solar Radiation Resource Assessment
* Solar Resource Assessment techniques
* Installation, Instrumentation and Commissioning of Solar Monitoring Station
* Solar Data Collection, Validation, Analysis & Reporting
* Software tools for Solar data Analysis
* Site Assessment and Planning
* Solar Resource Mapping & Atlas
* **RE Forecasting and Energy Production**