**Course Sylabus**

The course content for the 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 energy conversion technology and power generation
* Wind turbine technology and developments
* Design of wind turbines
* Wind turbine components
* Wind resource assessment and techniques
* Planning including design of wind farms
* Wind farm developments and feasibility study
* Pre-Investment study and cost beneﬁt analysis
* Installation and commissioning of wind turbines
* Post installation activities - Grid integration
* O& M aspects of wind farms
* Testing & Certiﬁcation of wind turbines
* Small wind turbine and hybrid systems
* Policies, schemes and legal frameworks

Additional lectures would also be organized while visiting wind farms and manufacturing facility to give a complete picture of the know-how and how to go about setting up a coordinated wind energy programme at national level.

Participants will also have opportunity of hands on experience on Wind Energy systems at different laboratories.