

Intermittent/Renewable Energy Generation

By

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Background And Motivation



Lecture-1

India's energy scenario

Fuel	MW	%
Total Thermal	81,859	66.3
Coal	68,308	55.4
Gas	12,350	10.0
Oil	1,201	0.9
Hydro	32,135	26.0
Nuclear	3,310	2.7
Renewable	6,158	5.0
Total	123,462	

Problem Statement

- Find ways in which solar energy panels can be implemented in Kresit and if possible integrate with existing system.
- The modus operandi should be one which targets the shifting of the electricity generation from the depleting resources to more renewable alternatives.

Timeline

- Groundwork – 2weeks
- Constructing Models and instilling abstractions as deemed required for general use – 1 week
- Safety Cushion – 1 week

Timeline

- The project is still in its groundwork stage and a rough draft of the requirements can be available by April 10-15.
- To have a more general approach an abstract model is being developed which will be adapted to Kresit's requirements.