Solar Analytics

Objectives

The growth of solar power generation is increasing at an exponential rate, however clear-cut O&M practices cannot be defined because of variations in the technologies involved, types of installation and location-specific process parameters. This program aims to provide various analytical tools, statistical tools and AI & ML tools to diagnose the O&M problems and to ascertain the healthiness and also to forecast the solar power generation

<table>
<tr><th>Participant Benefits</th><th>Duration</th></tr>
<tr><td>After attending this program, the participant will be able to :
• Handle different Solar data
• Understand different modelling techniques
• Understand use of statistical modelling tools
• Understand and use Machine Learning and A</td><td>Duration: 2 Days</td></tr>
<tr><th>Course Coverage</th><th>Target Audience</th></tr>
<tr><td rowspan="3">Major topics that will be covered during the course:
• Challenges of Data Handling in Solar Environment
• Descriptive, diagnostic, predictive and prescriptive modelling
• Solar Data Management
• Solar Statistical modelling
• Machine Learning and AI techniques for Solar</td><td>E1 to E7</td></tr>
<tr><th>Learning Methods</th></tr>
<tr><td>Lecture, Discussion, Case-Study etc.</td></tr>
<tr><td></td><th>Course Coordinator</th></tr>
<tr><td></td><td>Ekta Das
Sr. Manager
ektadas@nspcl.co.in</td></tr>
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