Big Data Analysis is used in Renewable Energy Power Generation

Abstract

As per new technology big data analytic is playing vital role in all areas such as power industry, IT industry and many more. Now day’s big data is also giving a proper backup in power industry. In this industry renewal energy data is mainly used to evaluate the system performance which can be accurately evaluated with the help of big data analysis. The renewal energy is the intermittent power source which cannot be used independently to generate the power and its supply to the load. The integration of renewal energy source like solar or wind with power plant can overcome the load on existing power plant. In this paper we have proposed the new data collection technique for utilizing and managing the renewal energy and its integration with the power plant. Paper is also focusing on areas like energy monitoring, event management, fault management, MIS report generate by using concept Hadoop and big data analysis.
1. Role of Data Analysis in the Development of Intelligent Energy Networks & application.

Index Terms

Computer Science                  Power Systems

Keywords

Big data analysis, application in renewable energy, power generation.