

(51) International classification :C07K0007060000, A61P0019100000, G01N0033574000, D06F0058200000, H04N0001000000
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :

The present invention relates to an AI & ML based system for prediction of wind power for multi-turbines. The methods from machine learning and artificial intelligence have been used to forecast wind energy. In terms of feature extraction and model generalisation, machine learning enhances more traditional machine learning techniques. When processing data with spatial structure, Convolutional Neural Network (CNN) performs exceptionally well, whereas among popular deep learning techniques, time series problems are where CNN excels. In order to prevent the instability of the power grid, each wind turbine in a wind farm needs to have its power distribution set up in accordance with its specific operating circumstances, necessitating power forecasting for each wind turbine. Accompanied Drawing [FIG. 1]



FIG. 1

No. of Pages : 16 No. of Claims : 4