*WindFarm Functionality*

*As we now that the main purpose of our project to make a decision that this place is*

*Suitable for winf farm or not and make design layout of this.*

* *main function of our system:-*

Wind speed monitoring

Analysis and interpretation of wind speed data

Turbulence and loads

*validate coordinates*

*get wind data set for specific coordinates(using DB)*

*determine suitable place for establish wind farm*

*design turbines layout*

*generate turbines relations and position*

*analysis energy yield*

*optimized power get from turbines*

*used map based GPS*

*generate wind farm layout*

*Best regards*

*Gadallah fcis*