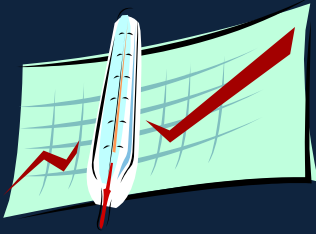# ARTIFICIAL INTELLIGENCE IN ENVIRONMENTAL MANAGEMENT

Artificial intelligence is the way of integrating technology and nature, to refine the understanding of living with nature as everything we find synthetic, artificial, l is not their own, but replicated from nature. Artificial intelligence is nothing but the inferences drawn from the real time situation by subjecting the fact related to them by a natural process as neural networks, genetic algorithm and several different optimization techniques, that the strategy, approach becomes specific to the issue solved by these training programs. Life is secured to none, it is predefined to none, it cannot be scheduled for the illusions of life, as time, space, knowledge, wish, and power but for the purpose, understanding that evolution, changes are unavoidable and which happens through openness to accept facts, analyze the need to get into the changes for progression. The nature as the supreme force has every way for simple living which we ignore since we think we are superior to nature. All the nature based artificial intelligence algorithms are now available as black box model and depending on the nature , trend and data available , any problem can be solved easily. We can simulate exactly similar situation if we understand the data and their occurrence in line with the nature. The less the volume of data, more accurate will be the prediction as the same do include outliers and represent immediate real time situations. The volume of data is not an issue, when we fix the underlying element as individual specific. When this is difficult in conventional statistical methods, considering the data with equal weights and individual specific is very much possible with artificial intelligence. It is possible to relate two independent variables for their influence

on the surrounding that connects them. In this way, the ecology is included in the analysis and its impact does have great influence in the outcome. It is to be understood that the nature responds to the way we explore it, and for the rapid socio economic development, the trend is less reliable and we need to analyze the flow of every data for the situation. Excessive data will nullify the behavior and we would not be able to predict the real situation then. For finding the validity of the model, plotting graph to visualize the behavior with real and predicted data is most appropriate and the concepts of statistical parameters to the core of mean, average will mislead the prediction since the behavior then is generalized. The scope of artificial intelligence plays vital role in changing the views of public to environmental management as a part of life, without anxiety, coercion and blame, to treat the issues with due concern on the involved to get the best of all.

Application of artificial intelligence to environmental management should be to,

- Understand nature for progressive management
- Consider every situation and the outcome for the source, cause and effect
- Including outliers to involve the extremities, deviations
- to include every data and ignore the trend, as trend is misleading and holds true for the masses and clustered behavior which will not be there in nature. In nature's creation every single creature is unique and specific.
- Every single creature is connected to the surroundings and other creatures, that no system can be assumed as isolated or fragmented.

Thread

Get the data of an environmental issue and apply suitable artificial intelligence method to manage the issue. Justify the selection. They all follow a general pattern as input, process and output where the process similitude with the method chosen validates the model for accuracy. Using the program is almost like a black box model. The input and process parameters alone are to be given by the user.