Environmental Ark

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***Abstract*—**One planet, different atmospheres and environmental conditions but no proper usage of environmental data. Every prior environment management system either provides central repository or remote accesses to its owner only. Environmental ark is hybrid cloud provides advanced knowledge for better awareness regarding environment to everyone

***Hybrid*—**providing information over all technology layers, **Cloud—** providing access to everyone, **Ark—** name of ship of Hazrat Noah (A.S.) stands for Act of Random Kindness.

I. Introduction

Technology has brought revolution at every stage. It must be used in environment very precisely. The main reason behind using technology is general public awareness regarding environmental condition because people across the planet have different academic or professional background but they have one thing in common information technology. Furthermore, to be very effective regarding awareness we need processed information i.e., environmental ark.

Environmental ark is an act of random kindness to make people know not only about how nature preservation and protection but also help themselves to better understand about environment. Most of time people do not care about environment because they do not know its value or its condition. So, environmental ark is a system based on hybrid-cloud which provides subjective and objective knowledge regarding environment so that its value can be sensed. This hybrid cloud will provide access on every gadget such as mobile phone Tab, laptops and digital watches on any platform i.e.. (IOs, Android, Blackberry, Windows OS).

II. Background

Almost every Air Quality Monitoring Systems are only limited to specific origination or their central station or remote access is concerned with data storage, retrieval or administration or station. So, any organisation which buys any environmental station services indirectly larger number of general public always remains unaware of the fact about environment condition, value or importance. Furthermore, information is never processed up-to the level of its utilization. Ultimately, environment suffers this negligence in many ways, one way or the other leading them to fact about destroying the environment and its nature directly or indirectly.

III. Procedure for Adaptation

A. Initial Stage

Having each environmental monitoring station with an ability to automatically provide data on any given portal. If it is not possible then stations at-least be embedded with cloud-based database.

B. Inception Stage

The database that is installed on each station should have ability to moderate regarding its processing or transfer towards online analytical processing (OLAP).

C. Development Stage

The data or environment monitoring station should integratable on every system.

D. Hybrid Cloud Stage

The monitoring stations which are old or already install their databases should be upgraded or data should integrated over websites, mobile phones etc so that it can help general public know more about environment. Furthermore all parameters including environmental and metrological should be embedded in a cloud database which will further provide it to any remote gadget.

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