**Call for Code 2019 - <Anthem Technocrats> Deadline – 06/07/2019**

**Project Title**

Water Scarcity Prediction Using AI

**Project Description**

Artificial intelligence can predict where conflicts over scarce water will break out up to a year in advance and allow action to prevent them.

**Current Problem -**

The water crisis has become one of the major concerns across the globe. As only less than one percent of earth surface water is suitable for human consumption, it becomes crucial that we save water so that our future generations survive. The unchecked use of water and extreme weather conditions have worsened the situation and in no time there will be a fresh water shortage, irregularities in supply and demand, groundwater shrinkage, among other challenges. Water scarcity affects drinking water supply, electricity generation, food and industrial production. Furthermore, droughts pose a severe threat to livelihoods. Thus, conflicts and destabilization of governments, which are not able to take care of fair and sufficient water distribution to everything seem to be a major consequence.

**Solution Description -***Based on historical data collected on ground water level and it’s usage, climatic changes, population and industrial usage we can predict the possibilities of upcoming water scarcity issues. We can also suggest solutions to avoid the same.*

**Included Components -**

*Machine Learning*

**Featured Technologies -**

*.Net*

**Architecture Diagram -**

Process the input data based on trained data using ML

**Steps -**

* *Detailed steps to setup your project (Include screenshots/video link if possible)*
* *Deployed Application Link*

**Results -**

*What are the results you got from your project and how are u trying to improve it(if any)*

*Information based on the prediction, which can be used to prevent water scarcity in future.*