PROJECT REPORT

(Project Term Jan-May, 2017)

ANALYSIS OF WATER QUALITY IN INDIA OVER TIME

AND THEIR EFFECT AND CONSEQUENCES

Submitted By

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Registration Number: 11404303

Section – K1407

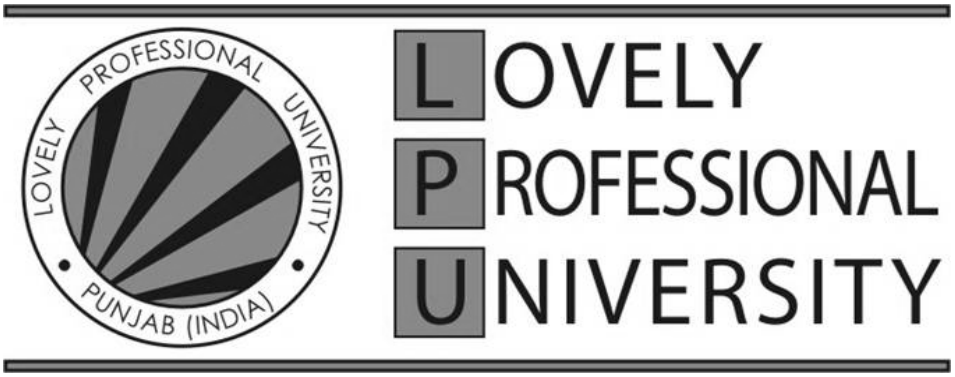
Group-2

Course code: CSE 308

Under the guidance of

(Ravinder Singh)

School Of Computer Science and Engineering



ACKNOWLEDGEMENT

I take this opportunity to present my votes of thanks to all those guidepost who really acted as lightening pillars to enlighten my way throughout this project that has led to successful and satisfactory completion of this study.

I am really grateful to Ravinder Singh for providing me with an opportunity to undertake this project and providing me with all the facilities. I am highly thankful to Ravinder Singh for his active support, valuable time and advice, whole-hearted guidance, sincere cooperation and pain-taking involvement during the study and in completing the assignment of preparing the said project within the time stipulated.

Lastly, I am thankful to all those, particularly the various friends , who have been instrumental in creating proper, healthy and conductive environment and including new and fresh innovative ideas for me during the project, without their help, it would have been extremely difficult for me to prepare the project in a time bound framework**.**

CERTIFICATE

This is to certify that the declaration statement made by the student is correct to the best of my knowledge and belief. He have completed this Project under my guidance and supervision. The present work is the result of his original investigation, effort and study. No part of the work has ever been submitted for any other degree at any University. The project is fit for the submission and partial fulfilment of the conditions for the award of B.Tech degree in Computer Science and Engineering from Lovely Professional University, Phagwara.

Assistant Professor

School of Computer Science and Engineering,
Lovely Professional University,
Phagwara, Punjab.

Date :

DECLARATION

I hereby declare that the project work entitled "Anaysis of Water Quality In India Over Time and Their Effect and Consequences" is an authentic record of my own work carried out in B.Tech degree in Computer Science and Engineering from Lovely Professional University, Phagwara, under the guidance of Ravinder Singh, during January to May 2017. All the information furnished in this project report is based on my own intensive work and is genuine.

Name of Student: Niraj Singh Ramgayan
Registration Number: 11404303

(Signature of Student)
Date:

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Abstract:

Water is living organism life depend on and what constitute majority of body. So Quality of water is matter the most for organisms as well as human.

With unprecedented growth in river pollution in India , there is an urgent need for enhanced learning and understanding of water quality.so this project helps to understand easily the whether quality of water is consumable or not whether they need UV,RO filtration or not using bar graphs pie charts and line graphs. This Project analyses water based on coliform and fluoride and PH. So that we can understand and know whether we required water treatment or not.

Introduction:

Evolution:

Poor water quality and coliform and high amount of abnormal particle can cause health hazard and diseases .Water is most important component of human and living beings. So water diet should be taken care as long as health is concern. So analyzing water and giving information about standard of water quality statewise to increasing awareness. Thus report should be made to give information about water quality state wise.

Proposed System:

In this project I analyses the details of river water quality of India from we get majority of drinking water also do state wise water analyses, comparison between them, results after that we get is that the coliform,ph,fluride and water degrading constitute amount .So that we can suggest proper treatment and proper diet based on their locality in India. We also analyses the water quality of ganga which is most important in term of water bodies. We also analyses water quality improvement of ganga river and investment done by government overtime.

Scope of Study:

The project will give the detailed analysis of disasters. This project will be completed by April 28. This project includes the charts or graphs which are made using the platform R studio. This project's information is collected from the internet sources. Data is stored in csv files. The outcome of the csv files are the graphs and charts. This project covers every state and place of India relate to drinking water standard and water hygiene.

Objectives:

I. Analyzing coliform content based water quality in Indian river.
II. Analyzing mean Temp,Dissolved O_2,pH mean content based water quality in India based on States.
III. Based on fluoride content on water suggesting water filtration and proper water diet.
IV. Analyzing government investment in India for water cleaning purification Over time.
V. Analyzing Ganga river water quality over time based on Nation Mission for Clean Ganga(NMCG)
VI. Analyzing Indian River water discharge to know the contribution on these water bodies to water utility.
VII. Analyzing renewable water quality of India and world to sustain environment.

Research Outcomes:

The outcomes of the research are the bar graphs, tree chart, line graphs on water quality. That can give information based on state whether people required uv,ro filtration. Also we get information about policy whether they are efficiently increasing water quality or not.

Conclusion and Future Scope:

As government invest crores of money in river water purification and drinking water. By analyzing water quality over time of river we can see result of government investment and their outcome. Based on outcome government can decide where government need to focus more and where investment for water purification should be increase or should be decrease.
Future decision can be made.

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