Skill Development Laboratory

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| **TITLE OF PROJECT** – Rainfall and Water Quality | | | |
| **Abstract :**  Intro:  This project shows the history of rainfall of different states from 2003 to 2014.  It also shows the prediction of rainfall.    Body:  The prediction of rainfall makes one prepared for upcoming heavy rainfall or very low rainfall. Due to this government can take effective measures to reduce the problem faced by people. The Quality of water(pH) is also shown with the help of graph. Nitration value,Dissolved Oxygen in water of different states.  Conclusion:  Gives us an idea about the average,minimum and maximum rainfall of each state in India. Water Quality representation shows to use the water efficiently without wasting any water. | | | |
| **Objectives:**  1. Show the minimum and maximum rainfall of each month  2. Quality of water over the past 5 years  3. Show the future ideas for water management from government | | | |
| **Dataset** –   * Link:-   https://data.gov.in/node/2918581/download   * Attributes:-   Dataset 1: States,Year,Month,Annual rainfall  Dataset 2: Location,State, Temperature, Dissolved Oxygen(DO), pH, | | | |
| **Libraries and Framework/ Platform –**  Languages:Python,HTML,CSS,JavaScript  Libraries/Framework: Django,Chart.js,jVectorMap | | | |
| **Machine Learning Algorithm-**  Linear Regression | | | |
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