

**AI and DS Department D11AD**

**Mini project Synopsis Document**

**Group No. : 7**

**Mentor: Dr. Anjali Yeole.**

| **1.** | **Name of the Project** | **Water Quality and Usage Prediction.** |
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| **2.** | **Objective/ Vision** | Creating a Water Quality Prediction Application, which will further define the suitability of the water.  i.e.  Suitable for Drinking,  Suitable for Agriculture(with high mineral levels),  Suitable for Industry level usage(Hardness, Turbidity),  Suitable for induction of heat(Conductivity) |
| **3.** | **Users of System** | 1. Government employees of various departments involved in data collection. 2. Independent Survey organizations 3. Software Professionals collecting information from remote locations |
| **4.** | **Operational features** |  |
| **5.** | **Technologies to be used** | * UML, J2EE, XML, e-Forms, XForms/Java/C, C++, AJAX, Web 2.0, Web-services, SOA |
| **6.** | **Tools to be Used** | * Lotus Form Designer/Eclipse/RAD * WebSphere Portal/ WAS, Webservices/SOA * DB2 Express C * Linux OS(preferred) |
| **7.** | **Dataset Link** |  |
| **8.** | **AI part used in the system** |  |
| **9.** | **Sustainability goals achieved** |  |

**System architecture:Signature:**

**Group Members(Roll.no & Names)**