**CHRIST (Deemed to be University)**

Department of Computer Science

Master of Computer Applications

**IoT Project Lab – Dec 2020**

**Project Proposal**

**My Proposal (Reg. No. 1947216)**

Date:  10/12/2020 Status: Proposal submission

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| **Sl. No** |  |  |
| **1** | **TITLE:** | SMART WATER TANK |
| **2** | **DOMAIN:** | Water Management |
| **3** | **APPLICATION:** | 1. Sense water level in tank 2. Notify Water overflow and under flow 3. User will have the option to turn on/turn off motor 4. Based on temperature of water, control water heater using mobile app 5. Checking Water purity level 6. Water Consumption data analysis 7. Application to display and monitor water availability, temperature, purity etc. of the tank |
| **4** | **DELIVERABLE:** | Working Model of Smart Water Tank along with Mobile application |
| **5** | **COMPONENTS AND TOOLS REQUIRED** | 1. Arduino Uno 2. Water Level Depth Detection Sensor Module 3. Water temperature sensor 4. Water purity sensor |
| **6** | **COST ESTIMATE:** | Rs. 1100 |
| **7** | **LEARNING OPPORTUNITY:** | Learning how to integrate the sensors in a controlled environment along with the development of application for an easy and effective interface to fulfil the desired outcomes of present simulation. |
| **8** | **ESTIMATED COMPLETION TIME:** | 3 Month |
| **9** | **FEASIBILITY STUDY (If Any)** |  |
| **10** | **REFERENCE (If Any)** | Internet and guidance of teachers. |