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| DEPARTMENT OF ELECTRONICS AND COMMUNCIATION ENGINEERING  INTERNET OF THINGS-GROUP 4  Project Title :  Smart Water Fountains | | | | | | |
| 1. | Name of the Student (s) | : | | | |
|  | |  |  | | --- | --- | | **S.No** | **Name of the Student** | | 1 | K.Divya | | 2 | T.Gayathri | | 3 | N.Divya Dharshini |  | | 4 | M.Jeevitha | | 5 | M.Abirami | | | | | | |
|  | 2. Name of the Guide | :Ms.D.Ragavi | | | |
|  | 3.Department / Designation | : ECE**/**AP | | | |
|  | Institutional Address  4.Project Title  5.Project Statement  6.Department  7.problem definition and solutions  FLOW CHART: | : Chettinad College of Engineering and Technology  NH-67, Karur-Trichy Highway, Puliyur CF, Karur  :Smart Water Foundations  : The aim of this project is to build a water fountain and automatic plant watering system that senses soil moisture using soil moisture sensor and to provide water to the plants or garden automatically with the help of a microcontroller when students are busy with lectures and when schools are going on vacation.  :ECE  :The project aims to enhance public water fountains by implementing IoT sensors to control water flow and detect malfunctions. The primary objective is to provide real-time information about water fountain status to residents through a public platform. This project includes defining objectives, designing the IoT sensor system, developing the water fountain status platform, and integrating them using IoT technology and Python.   1. 1.Project Objectives: Define objectives such as real-time water fountain monitoring, efficient water usage, malfunction detection, and resident awareness. 2. 2.IoT Sensor Design: Plan the deployment of IoT sensors (e.g., flow rate sensors, pressure sensors) in public water fountains. 3. 3.Real-Time Transit Information Platform: Design a mobile app interface that displays real-time parking availability to users. 4. 4.Integration Approach:Determine how IoT sensors will send data to the water fountain status platform. | | | |
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