SMART AQUARIUM MONITORING SYSTEM

ABSTRACT

In modern days, many people have fish as their pets at home. The fishes have been fed by the aquarist in the aquarium tanks which demands a proper setup for maintenance. The problems faced are change in water quality, feeding the fish, maintaining the temperature, controlling the lights and difficult to check the conditions of an aquarium manually. Therefore, it's necessary to monitor the physical parameters closely and enhance the water condition. So, this project proposes a system which is equipped with sensors to be operated in real time. It performs temperature monitoring, water pH level detection, aeration system and water renewal operations. An IoT based system is implemented to monitor and deliver the status of the aquarium to user's mobile application. Thus, an intelligent aquarium management has been implemented so that the fish is neither over nor under fed and thereby reducing the manual effort required in maintenance of aquarium.

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ECD334- Mini Project S6 ECE **(2021 Admission)**

Mini Project Plan Even Semester February – May 2024 (AY: 2023_2024)

Sl.No:	Week Number	Miniproject PLAN
1	1st & 2nd Week of FEBRUARY	Meet the respective Guide, Literature Survey, Prepare Abstract and project plan
2	3rd week of FEBRUARY	**Zeroth evaluation: Guide Approved Abstract Submission on or before 15/02/2024 (Thursday) before 2:00 PM**
3	4th week of FEBRUARY	Getting started with the MiniProject Components search & Design
4	1st week of MARCH	**First Review on 06/03/2024(Wednesday) & 07/03/2024 (Thursday) during the Miniproject hours.**
5	2nd & 3rd Week of MARCH	Design & Trouble shooting
6	4th Week of MARCH	Trouble shooting
7	1st Week of APRIL	**Demonstration of outputs to the respective Guide.**
8	2nd & 3rd Week of APRIL	Report Writing and final modifications in the output.
9	4th Week of APRIL	**Second Review on 24/04/2024 (Wednesday) & 25/03/2024 (Thursday) during the Miniproject hours.**

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