

Clean Water

Jalavimalata – A Water Quality Testing Device

APPLICATION

This new portable water quality testing device may be used to test a variety of parameters related to drinking water and can determine whether water from a given source is suitable for consumption or not. It can test various parameters such as Color, Turbidity, pH, Total hardness, Iron, chloride, Residual free chlorine, Total dissolved solids, Copper, Manganese, Nitrate, Fluoride, Arsenic.

COMPANY NAME

Padmaseetha Technologies Pvt Ltd

TECHNOLOGY READINESS LEVEL (TRL)

TRL: 6 (Currently under the field-testing phase)

INTELLECTUAL PROPERTY

Filing in progress

FOUNDER'S NAME

Gowrishankar Uppuluru

PROBLEM ADDRESSED

According to the survey, 600+ million people in our country are subjected to high to extreme water stress. 75% of families do not have drinking water on the premises, while 84% of rural households do not have piped water access. 70% of our water is contaminated; India ranks 120th out of 122 countries in the water quality index. It is currently a major issue in distant places of India.

ABOUT THE TECHNOLOGY

Padmaseetha Technologies presented a revolutionary portable battery-powered IoT monitoring water quality testing gadget that can transfer data to the internet cloud via a smartphone app. The data is uploaded to a cloud-based site along with the device ID, a unique smart phone app, and GPS information for further analysis with this legitimate field data. As a functional innovation, the combination of quality monitoring and a customized filter improves testing accuracy and consistency

FUNDS RAISED/ACHIEVEMENTS

- Raised INR 23.70 lakhs grant-in-aid from National Jal Jeevan Mission challenge.

PRODUCT IMAGE



USP

- Device has both purifiers & monitoring solutions helps reducing the cost.
- The device can be easily calibrated with low maintenance.
- It has built-in power supply for testing which makes it more user friendly than other FTKs.
- Automatic data transfer to smartphone app, and onto cloud helps in data analysis.

END USERS/CUSTOMERS

- Domestic Household customers
- Government agencies to monitor water quality
- Industrial Consumers with inline water quality monitoring and customized filtering.