8 Organizing Committee

8.1 Chief Patron

Prof. (Dr.) K. Sankaranarayanasamy, Director,
National Institute of Technology Puducherry, Karaikal

8.2 Patron

Dr. G. Aghila, Professor & Registrar (i/c),
National Institute of Technology Puducherry, Karaikal

8.3 Resource Persons

Eminent faculty members/scientists from institutes and R&D organizations of national repute.

8.4 Chairman

Dr. Harigovindan V.P.,
Principal Investigator, DST-SEED Project,
AP/ECE, NIT Puducherry

8.5 Secretaries

Dr. G. Lakshmi Sutha, HoD & AP/ECE, NIT Puducherry
Dr. R. Boopathi Rani, AP/ECE, NIT Puducherry
Dr. Malaya Kumar Nath, AP/ECE, NIT Puducherry
Dr. Aniruddha Kanhe, AP/ECE, NIT Puducherry
Dr. M. Surendar, AP/ECE, NIT Puducherry
Dr. Amrtha Bhide, AP/PHYSICS, NIT Puducherry

9 Address for Correspondence :

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National Workshop
on
Water Quality Management for Aquaculture
(online mode)

November 16, 2020

Organized by :
Department of Electronics and Communication Engineering
National Institute of Technology Puducherry
(An Institute of National Importance under the Ministry of Education, Government of India)
Karaikal - 609 609

सत्यमेव जयते
Department of Science & Technology
Govt. of India

As part of the project :
Design and Development of IoT Based Low Cost Water Quality Monitoring and Reporting System for Aquaculture
Funded by :
Science for Equity, Empowerment & Development (SEED) Division.
Department of Science & Technology, Govt. of India.

1 NIT Puducherry

National Institute of Technology Puducherry, Karaikal (NITPy), is an autonomous public engineering institute nestled in the scenes of Karaikal, a coastal enclave in the basin of river Kaveri in Puducherry. It is one among the 31 National Institutes of Technology of India and is declared as an Institute of National Importance by Govt. of India under NIT Act, 2007. The institute was established in 2010, starting its intake in the academic year 2010-11. The institution is at a constant attempt of making endeavours to scale new heights by developing a synergy between studies, research, consulting/training activities, and placements. The institute is ranked at **130** under the category of "India Rankings 2020 - Engineering" of the 2020 NIRF rankings, released by the MHRD, Govt. of India.

2 About the Department

The Department of Electronics and Communication Engineering offers UG, PG, and Ph.D. courses, with a vision to promote research & development in the frontier areas of electronics & communication engineering and technology. The mission of the department is to enable the students to innovate and excel as eminent academicians, technocrats and entrepreneurs. The department has commissioned a new M.Tech. course in VLSI Design from the academic year 2020-21. The department has research scholars who are working in the institute/sponsored/funded projects of diverse research fields.

3 About the Project

This project is to Design and Development of IoT based Low-Cost Water Quality Monitoring and Reporting System for Aquaculture. The developed system can monitor Water quality parameters such as temperature, dissolved oxygen, ammonia, turbidity, salinity, pH etc. of aquaculture farm/pond and report to the aquaculturists and fish farmers in real-time through Internet/Mobile. The product developed as the part of the project will benefit the fish farmers on a large scale. At present, there is a lack of cost-effective real-time water quality monitoring and reporting system. Also, the farmers expect to know the real-time water quality parameters in their high-density culture system against the traditional farming operation, which in turn increases the yield and unit area productivity. This low-cost water quality monitoring and reporting system will help farmers in better management of their aquaculture farms.

4 About the Workshop

This workshop will provide an opportunity to highlight developments in the field of Water Quality Management for Aquaculture. It will further give impetus to the participants towards bringing out newer and efficient techniques. Expert invited speakers from both industry and academia with their vast research experience will help the participants for Water Quality Management in Aquaculture. This workshop focus on the :

- **Importance of Water Quality in Aquaculture**
- **Water Quality Management (Sustainable use of water)**
- **Environmental impact of Aquaculture**
- **Advanced technologies for Water Quality Management**
- **Post-harvest management in Aquaculture**
- **Water Quality monitoring and reporting system for Aquaculture**

5 Who can attend

The Aquaculturists, Fish farmers, faculty members, Ph.D. scholars, UG/PG students, working professionals from various technical institutes/organizations/industry, and any one who is interested in Aquaculture can attend this Workshop. Keeping in view of the unprecedented pandemic situation created due to COVID-19, it is decided to conduct this Workshop using online platform. The participants will receive further details regarding the online platform and login credentials will be intimated via E-mail.

6 Registration

The candidates interested to participate in this Workshop are hereby required to register themselves by filling the google form, which can be accessed either by clicking or scanning the adjacent QR code. The number of participants is limited to 100, and will be selected on first-come first-serve basis. **There is no registration fees for the participant in this workshop.**

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e-certificates will be sent to the participants upon completion of the course.

7 Delivery Mode

Online mode (Specific link will be sent to registered email address)

8 Important dates

Last Date for Registration : November 14, 2020
Intimation to the Participants : November 15, 2020