

SKILL DEVELOPMENT PROGRAMME
On
Recent Advances in Aquacultural Engineering
19-25 February 2019

In order to impart knowledge about the recent advances in the field of aquacultural engineering for enhancing aquaculture production, a skill development programme on **Recent Advances in Aquacultural Engineering** was organized by the Division of Aquaculture, ICAR-CIFE, Mumbai during **19-25 February 2019**. A total of 15 participants from different professions — fisheries graduates, IT professionals, engineers, farmers, and entrepreneurs; and from different parts of the country — Maharashtra, West Bengal, Haryana, Tamilnadu, and Tripura underwent this training programme. A total of 20 theory and 4 practical classes encompassing various aspects of recent advances in the field of aquaculture engineering *viz.* engineering interventions and precision fish farming, design of recirculating aquaculture systems (RAS), design of different types of biological filters (i.e. submerged, trickling, rotating biological contactors etc.), biofloc technology, aquaponics, phytoremediation techniques, design of recirculating freshwater prawn hatchery, soil and water quality analysis, treatment of aquaculture waste using constructed wet land systems, freshwater prawn hatchery using inland saline water, water budgeting, oxygen budgeting and aerators, raceways and partition aquaculture, advanced hatchery management techniques, etc. were conducted. A field visit was also conducted to demonstrate poly-culture of fishes and marketing of live fishes. Pre and post evaluation tests validated the knowledge acquired by the trainees in the field of aquacultural engineering. During the valedictory function held on 25.02.2019, the participants expressed their views as to how they were benefitted by this training programme. On the occasion, Dr. Gopal Krishna, Hon'ble Director/Vice-Chancellor, ICAR-CIFE, Mumbai congratulated and distributed certificates to the participants in presence of Dr. N. K. Chadha, Head, Division of Aquaculture.



Practical session on RAS techniques for freshwater prawn hatchery



Practical session on water quality parameters



Practical session on physical parameters of water quality



Valedictory session



Valedictory session
