

Report on
ICAR Sponsored Short Course
‘DNA Sequencing Using Ion Torrent NGS Platform and Data Analysis’
9th to 18th February 2026

An ICAR Sponsored Short Course on ‘DNA Sequencing Using Ion Torrent NGS Platform and Data Analysis’ was organized by the Central NGS Facility, ICAR-Central Institute of Fisheries Education from 9th to 18th February 2026 at Mumbai. The Course Director of the training was Dr. Aparna Chaudhari, In-Charge, CIFE NGS Facility, and Dr. A. Pavan Kumar and Dr. Kiran D. Rasal were the Course Coordinators. 15 Scientists/Assistant Professors and above (5 women and 10 men) from various institutes like NGRC of ICAR-CIBA, Navsari, ICAR-CSWRI, Avikanagar, ICAR RC for NEH Region, Lembuchera, GADVASU, Ludhiana, Tripura University, Suryamaninagar, Agriculture University, Kota, DUVASU, Mathura, Central Agricultural University, Manipur, Veterinary College, Mumbai, Sher-e-Kashmir University of Agricultural Sciences and Technology, Kashmir, Bhavans College, Mumbai, Patkar – Varde College, Mumbai and ICAR-CIFE, Mumbai participated in this program.

The inaugural function on 9th February, was chaired by Dr. N. P. Sahu, Director, ICAR-CIFE (Deemed University), highlighted the importance of genomics research in present times, and how it has evolved over the years leading to the establishment of the Central NGS Facility at CIFE which can be used by scientists and professors from varied backgrounds to generate scientific data. He hoped that the participants will initiate research which would utilize this facility. The Chief Guest Dr. Gopal Krishna, Former Director, ICAR-CIFE, congratulated the NGS Facility team and advised the participants to use the knowledge to generate technology that has applications in the agriculture sector. Dr. Aparna Chaudhari welcomed the resource person from Thermo Fisher Scientific, Dr. Pravin Nilawe and thanked him for his help with the training. The training included lectures and practical sessions on sample and library preparation, NGS workflow, operation, and data analysis. Open bioinformatics tools for analysis of metagenome, mitogenome and transcriptome data were demonstrated. More emphasis was given to hands-on practical sessions. A training manual was distributed. Overall, the trainees rated the training ‘excellent’.

In the valedictory function, held on 18th February 2026, certificates were distributed by the Director, Dr. N. P. Sahu. He congratulated the Course Director and team for a well-designed and well-conducted training. He was pleased to see good participation from across the country. He encouraged all the participants to maintain this linkage and make use of the facility.





