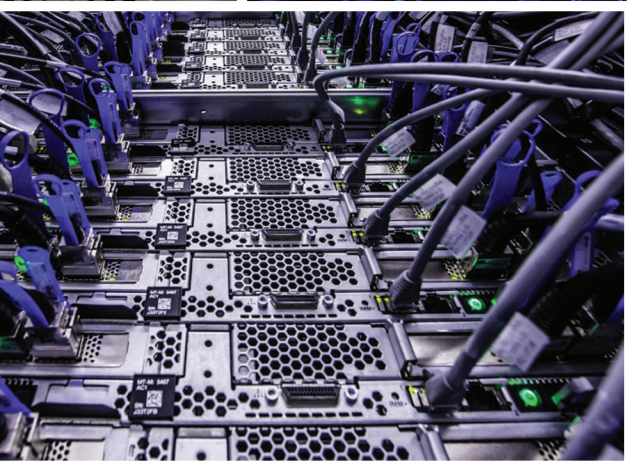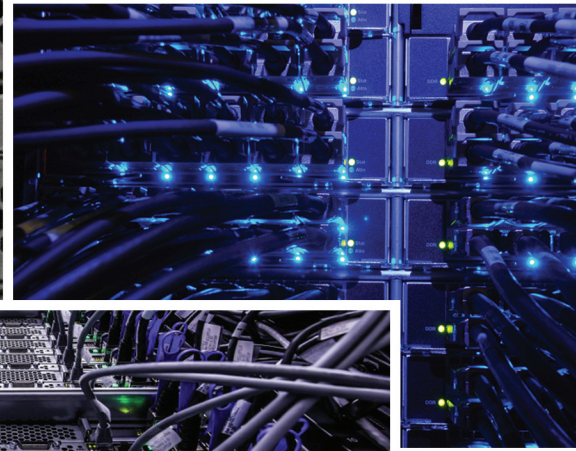# FISH@CMFRI

Facility for Integrated-modelling
Simulation and High-end analytics

A laboratory named 'Facility for Integrated-modeling Simulation and High-end analytics' (FISH@CMFRI) has been developed for computational requirements. DST provided budgetary allocation for FISH@CMFRI. In order to download, process, analyze, and plot, the high-power cluster based parallel processor stack based computational facilities at FISH@CMFRI were utilized. The laboratory was developed with an equipment budgetary support of nearly 33 lakhs from DST-REVIVAL project and nearly 20 more lakhs for other related infrastructural requirement with a total out lay of more than 5 million Indian Rupees.

High Performance Computing Facility in CMFRI – REVIVAL

(REhabilitation of Vibrio Infested waters of VembanAd) Lake: Pollution and Solution

The High-Performance Computing facility FISH@CMFRI was established at CMFRI, Kochi for performing high power computation tasks and working on mathematical models as part of the DST-REVIVAL project.

FISH@CMFRI Facility Overview

- Computing Capacity: 3 TFLOPS
- No. of Computer Nodes: 4
- Total No. of Processors: 8
- Total No. of Cores: 96
- Memory per node: 64 GB
- Total RAM: 256 GB
- Total Usable Storage Capacity: 4 TB
- Primary Interconnect: 10 Gbps Ethernet
- Administration and Management Network: 1
- Gbps Ethernet
- Operating System: Linux RHEL
  Total cost: 33 Lakhs

The laboratory facilities in addition to the work requirement of the project REVIVAL is used by scientists and researchers for their downloading, analytical, and computational requirement

Laboratory Brochure
Developed jointly by
Dr. Grinson George, Dr. J. Jayasankar and
Mr. Manu V.K.as part of the DST-REVIVAL project

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