

Shri Chandran V

Shri. Chandran.V is working in NIOT since 2003 as Mechanical Engineer. He is specialized in design and development of underwater equipment's and Launching & recovery of Sub-sea systems for Deep sea Technology & Mining related subsea projects of the PMN program. He is also involved in testing and qualification of Remotely operated In-situ soil tester at CIOB. He also actively participated in sea trails of Shallow water sand Mining, Long term operation of Mining machine, Experimental deep-sea mining machines, Artificial Nodule laying, Collector & Crusher System and Performance testing of the Pumping platform, etc., He has played a lead role in Stability analysis and Structural analysis validation of Mining machine and associated systems. Also, he designed and realized the Nodule Pickup & Conveyer system for Deep sea mining system. He had Major role in realization of Indigenously developed the Deep-sea umbilical winch for 7000 m cable. He is also involved in product development for Deep sea mining applications such as underwater camera for 6000 m depth, Underwater load cell, Underwater Encoder, Depth sensor, Non-contact type Displacement sensor, Vehicle speed measurement system for Mining machines, Data logger enclosure for measuring the pumping pressure in the hoses at various depths remotely etc., During recent sea trials onboard ORV Sagar Nidhi he has major role in re-termination of mechanical termination of underwater umbilical cable. He also stakeholder of seven patents namely Deep-sea Soil Tester, Deep-sea latching system, Skid with water jetting system, Underwater Encoder and Nodule crusher. He has co-authored more than 6 papers. He actively participated in various sea trials and sailed more than 300 days for different scientific exploration and technology demonstration projects.