



"Surging from the silver year in the oceans towards the golden"

राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान  
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RIGHT TO  
INFORMATION

डॉ. एन. वेदाचलम्

Dr. N.VEDACHALAM

वैज्ञानिक एफ़ / मासंवि - प्रभारी

SCIENTIST- F / HRD IN-CHARGE

रासप्रौस / मासंवि / छात्र परियोजना / 47 / 2020

NIOT / HRD / STUDENT PROJECT / 47 / 2020

October 22, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify **Ms. D. Jesintha Rani**, III Year, B.E Degree in Biomedical Engineering, Jerusalem College Of Engineering, Chennai had successfully completed her project on "PERFORMANCE COMPARISON OF DIRECTION OF ARRIVAL ESTIMATION IN UNDERWATER SOUND SOURCE USING MUSIC AND ROOT-MUSIC ALGORITHMS" in Ocean Acoustics Group at National Institute of Ocean Technology, Chennai during the period 03<sup>rd</sup> June 2019 to 31<sup>st</sup> May 2020.

(डॉ. एन.वेदाचलम् / Dr. N. VEDACHALAM)

एचआरडी-प्रभारी

HRD-In- Charge

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National Institute of Ocean Technology

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Ministry of Earth Sciences, Govt. of India

पल्लिकरणै, चेन्नै-६०० १००.

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ESSO Earth System Science Organisation (Ministry of Earth Sciences, Government of India)