



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY

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(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

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Department of Mechanical Engineering

Certificate

This is to certify that the thesis entitled "Performance Evaluation of Vegetable Oil Based Nano Cutting Fluids in Environmentally Friendly Machining of AISI 1040 Steel" is being submitted by Mr. S.N.V. Subrahmanyam, K. Krishna Sai Prasad, K. Gowtham and, N. Vaswanth Narasimha with Reg.No: 219P5A0340, 219P5A0316, 209P1A0313 and 209P1A0318 in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology, in Mechanical Engineering to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by the under my/our guidance and supervision from 2020 to 2024.

The results presented in this thesis have been verified and are found to be satisfactory. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any other degree or diploma.


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