



IPDIMS 2021



3rd Innovative Product Design and Intelligent Manufacturing Systems

Certificate of Participation

This is to certify that Savadana Venkataramana of Vignan's Institute of Information Technology presented the paper titled Analysis Of An Emission And Performance Characteristics Of Single Cylinder 4 Stroke VCR Engine By Using Palm Bio Diesel Blends And Comparison At The Compression Ratio 18:1 co-authored by N. Ramanaiah at the international conference on 3rd Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS) during 30th & 31st December 2021, jointly organized by Department of Industrial Design and Department of Mechanical Engineering of NIT, Rourkela.

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