

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

Jnana Sangama, Belagavi – 590018



**Project Report On**

**“Effect of Cardanol Blending on the Performance, Emission  
Combustion & Cycle to Cycle Variation Characteristics of Single  
Cylinder CI Engine with Oxygen Enrichment”**

*Submitted in partial fulfillment of the requirement for the award of  
the degree of*

**BACHELOR OF ENGINEERING**

**in**

**MECHANICAL ENGINEERING**

**by**

<b>ABISHEK KUMAR PADAVU</b>	<b>4JK20ME001</b>
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**Under the Guidance of  
DR. VIGNESHA NAYAK**

**Associate Professor**

**&**

**MR. PRASAD B G**

**Assistant Professor**



**DEPARTMENT OF MECHANICAL ENGINEERING  
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**A Unit of Laxmi Memorial Education Trust ®**

**(Approved by AICTE, New Delhi, affiliated to VTU, Belagavi, Recognized by  
Govt. of Karnataka)**

**Kottara Chowki, Mangaluru-575006, Karnataka**

**2023-2024**

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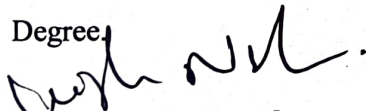
**2023-2024**

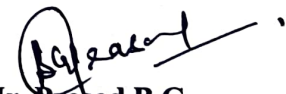



**DEPARTMENT OF MECHANICAL ENGINEERING**

**CERTIFICATE**

Certified that the project work entitled “Effect of Cardanol Blending on the Performance, Emission Combustion & Cycle to Cycle Variation Characteristics of Single Cylinder CI Engine with Oxygen Enrichment” carried out by Abishek Kumar Padavu (4JK20ME001), Akhil Sajeer (4JK20ME003), Ashik H.S (4JK20ME004), Muhammed Shaz T.P (4JK20ME014), the bonafide students of A.J. Institute of Engineering and Technology in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
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Project Guide


  
**Mr. Praasad B G**  
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**H.O.D. - Mechanical Engineering**  
**A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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**Signature - 575006 Date**

- 1. Dr. Suresh Kumar S** 
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