

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

Jnana Sangama, Belagavi – 590018



**Project Report On**

**“DESIGN OF ACTIVE PITCHING MECHANISM FOR VERTICAL  
AXIS WIND TURBINE”**

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

**BACHELOR OF ENGINEERING**

**in**

**MECHANICAL ENGINEERING**

**by**

**JERIEL SEAN**

**4JK20ME009**

**VIKITH V SALIAN**

**4JK20ME019**

**SANDEEP K UNNIKRISHNAN**

**4JK20ME020**

**Under the Guidance of  
DR. SREEJITH B. K.  
Associate Professor**

**&**

**MR. PRASHANTHA D. A.  
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 “**Design of Active Pitching Mechanism for Vertical Axis Wind Turbine**” carried out by **Jeriel Sean (4JK20ME009), Vikith V Salian (4JK20ME019), Sandeep K Unnikrishnan (4JK20ME020)**, 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.

**Dr. Sreejith B. K.**  
Project Guide

**Mr. Prashantha D. A.**  
Project Guide

*Rajesh Rai P.*  
29/5/24

**Dr. Rajesh Rai P.**

HOD

H.O.D. - Mechanical Engineering

A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangaluru - 575 006, D.K., Karnataka

Name of the Examiners

**Dr. Shantharama Rai C.**

Principal, AJIET

Principal

A.J. Institute of Engineering & Technology

Signature with Date

1. *Dr. Sunil Kumar S*
2. *Dr. Prashantha Rai*

*Shantharama Rai C.*  
28/5/24  
*Rajesh Rai P.*  
29.5.24