

# **SPEED CONTROL OF BLDC MOTOR USING ARDUINO BY PWM TECHNIQUE**

**A Minor Project**

Submitted to

**MADHAV INSTITUTE OF TECHNOLOGY &  
SCIENCE GWALIOR (M.P)**

*In Partial Fulfillment of the Requirement for the Award of Degree of*

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRICAL ENGINEERING DEPARTMENT**

Submitted by

**Abhishek Singh (0901EE191005)**

**Ikshita Trivedi (0901EE191050)**

Under the guidance of

**Dr. VijayBhuria**

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**ELECTRICAL ENGINEERING  
MADHAV INSTITUTE OF TECHNOLOGY &  
SCIENCE GWALIOR-474005 (M.P)**

**June, 2022**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR – 474005**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V. Bhopal)

**CANDIDATE'S DECLARATION**

I/We, hereby certify that the Minor Project entitled “**Speed Control of BLDC Motor using Arduino by PWM Technique**” which is being submitted in the partial fulfillment of the requirement for the award of **Bachelor of Technology** is a record of my own work carried out under the supervision and guidance of **Dr. Vijay Bhuria** and **Prof. Manoj Kumar**, Assistant Professor, Department of Electrical Engineering, Madhav Institute of Technology & Science, Gwalior.

All information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I have fully cited and referenced all material and results that are not original to this work.

To the best of my knowledge the material presented in this Minor Project-II has not been submitted elsewhere for the award of any other degree.

Date: 23/05/2022

Place: Gwalior

Name of Student: Ikshita Trivedi

Name of Student: Abhishek Singh

Enrolment No: 0901EE191050

Enrolment No: 0901EE191005

**Certificate**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

Guided by

Approved by

Dr. Vijay Bhuria

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