

गुरु घासीदास विश्वविद्यालय  
बिलासपुर



GURU GHASIDAS VISHWAVIDYALAYA  
BILASPUR

(A Central University established by the Central University Act 2009 No. 25 of 2009)

## CERTIFICATE

This is to certify that **SURAJ MARAVI** has carried out this literature survey based project under my supervision in the DEPARTMENT OF PURE AND APPLIED PHYSICS, GURU GHASIDAS CENTRAL UNIVERSITY KONI BILASPUR (C.G.) on the topic **DC TO AC CONVERTER**. He has work diligently , methodically & also collected the literature very sincerely & carefully. During this project he has learnt about different working section and working principle of digital gadgets.

To the best of our knowledge the work presented in this project is original & has not been submitted anywhere . I recommend the project report to forwarded to the respective examiners for evaluation . I wish every success in his carrier & life.

Signature of the student

**SURAJ MARAVI**  
**ROLL NO -19209955**  
**ENROLL No- GGV/19/7216**

Signature of supervisor

**DR. ANISH BHATTACHARYA**  
**(Assistant professor)**  
**Department of pure and applied physics**