



Department of Chemistry
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
(A Central University Established by Central Universities Act
2009 No. 25 of 2009)

CERTIFICATE

This is to certify that **Gargee Rathore** has carried out this project under my supervision in the Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) on the topic "**Visible LED light driven synthesis of Bis coumarin derivatives under catalyst free conditions**".

She has worked diligently, methodically and also collected the literature very sincerely and carefully. During this project work she has learnt about various organic syntheses related to the entitled topic.

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

SUBMITTED BY

Gargee Rathore

M.Sc. Chemistry

Roll No. 20410018

Enroll No. GGV/17/7165

SUPERVISED BY

Dr. Subhash Banerjee

Assistant Professor

Department of Chemistry

GGV Bilaspur (C.G.)