

**A Minor
Project Report
On**

Synthesis of biofuel by Esterification of Fatty acids (Mahua Oil)

Submitted in partial fulfilment of the requirement for the award of

**BACHELOR OF TECHNOLOGY
in
CHEMICAL ENGINEERING**

**SUBMITTED BY-
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**Under the Guidance of –
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DEPARTMENT OF CHEMICAL ENGINEERING

**SoS ENGINEERING & TECHNOLOGY GURU GHASIDAS
VISHWAVIDYALAYA, BILASPUR, INDIA**

December, 2024



CERTIFICATE

I hereby certify that the work which is being presented in the B.Tech. Minor Project Report entitled "**Synthesis of Biofuel by Esterification of Fatty Acids (Mahua Oil)**" in partial fulfilment of the requirements for the award of the Bachelor of Technology in Chemical Engineering and submitted to the Department of Chemical Engineering, Institute of Technology, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh, India is an authentic record of our own work carried out during a period from August 2024 – December 2024 (7th semester) under the supervision of Dr. Ghoshna Jyoti (Assistant Professor) and Rakhi Soni (Research Scholar) of Chemical Engineering Department.

The matter presented in this Project Report has not been submitted by me or by anyone else for the award of any other degree elsewhere.

Signature of Student

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

Dr. Ghoshna Jyoti
Signature

Dr. Ghoshna Jyoti

Date: 05/12/2024

Head Dept. of Chemical Engineering Department

DECLARATION

We hereby declare that the project entitled – “Synthesis of Biofuel by Esterification of Fatty Acids (Mahua Oil)”, which is being submitted as Minor Project of 7th Semester in Chemical Engineering to Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) is an authentic record of our genuine work done under the guidance of Dr. Ghoshna Jyoti (Assistant Professor) and Rakhi Soni (Research Scholar), Dept.of Chemical Engineering, SOS Engineering and Technology, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh. We also declare that if any information provided by us is found false, our candidature may be rejected at any point of time.

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