

**A Novel Microwave-assisted Methodology for the  
Synthesis of 3-(3-oxoaryl) Indole Compounds as  
Anticancer Agents: A green Chemistry Approach**

*A Thesis*

*Submitted in Partial Fulfillment for Degree of*

**MASTER OF PHARMACY  
In  
PHARMACEUTICAL CHEMISTRY  
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## **CERTIFICATE**

This is to certify that **Mr. Dipayan Mondal** has submitted his dissertation entitled "A Novel Microwave-assisted Methodology for the Synthesis of 3-(3-oxoaryl) Indole Compounds as Anticancer Agents : A green Chemistry Approach", in partial fulfillment of the requirement for the degree of Master of Pharmacy to

**Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar** with his truly and honestly observed inferences during his work. He also has completed his project under my supervision and his work is satisfactory.

**I hereby forward his dissertation.**

*Shovanlal Gayen*  
**Dr. Shovanlal Gayen**  
(Supervisor)