



MAULANA ABUL KALAM AZAD  
UNIVERSITY OF TECHNOLOGY,  
WEST BENGAL



A  
Project Report on

**Design and Molecular Docking of some  
Derivatives of Natural Products as  $\alpha$ -synuclein  
Protein Fibrillation Inhibitor**

**ANKITA DEY**

**ROLL NO-18901920031**

**REG NO-201890201910074**

**PRITAM DE**

**ROLL NO- 18901920100**

**REG NO- 201890201910005**

**SAYAK MONDAL**

**ROLL- 18901921112**

**REG NO-211890201920001**

**ROHAN MONDAL**

**ROLL NO- 18901920067**

**REG NO- 201890201910038**

Under the guidance of

**Mrs. Puja Mishra**

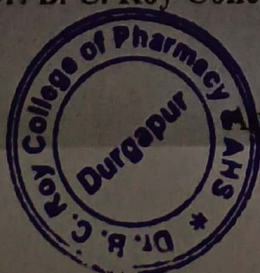
Assistant Professor

In partial fulfilment of the Requirement for the Degree of  
**Bachelor of Pharmacy**

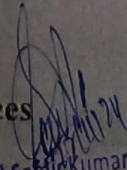
Submitted to

**Maulana Abul Kalam Azad University of Technology  
West Bengal**

**Dr. B. C. Roy College of Pharmacy and Allied Health Sciences  
Durgapur 713206**



Academic Year: 2023 - 2024

  
Prof. (Dr.) Samir Kumar Samanta  
M. Pharm., Ph.D (J.U.)  
Principal  
Dr. B. C. Roy College of Pharmacy & AHS  
Durgapur, West Bengal-713206



## DECLARATION

We hereby declare that the Project entitled "Design and Molecular docking of some derivatives of natural products as  $\alpha$ -Synuclein Protein Fibrillation inhibitor" in partial fulfilment of the requirement for the award of Bachelor of Pharmacy submitted to Maulana Abul Kalam Azad University of Technology, West Bengal, is an authentic record of bona fide work carried out by us under the guidance of Mrs Puja Mishra.

The matter embodied in this Project has not been submitted for the award of any other degree or diploma to any University / Institution.

Pribam De  
Signature

Name of Candidate: Pribam De

Roll No.: 18901920100

Date: 03.06.2024

Place: Durgapur

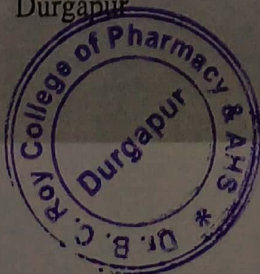
Signature Sayak Mondal

Name of Candidate: Sayak Mondal

Roll No.: 18901924112

Date: 03.06.2024

Place: Durgapur



Signature Ankita Dey

Name of Candidate: Ankita Dey

Roll No.- 18901920031

Date: 03.06.2024

Place: Durgapur

Signature Rohan Mondal

Name of Candidate: Rohan Mondal

Roll No.: 18901920067

Date: 03.06.2024

Place: Durgapur

Prof. (Dr.) Samir Kumar Samanta  
M. Pharm., Ph.D. (J.U.)  
Dr. B. C. Roy College of Pharmacy & AHS  
Durgapur, West Bengal-713201





# CERTIFICATE

This is to certify that the Project entitled "Design and Molecular docking of some derivatives of natural products as  $\alpha$ -Synuclein Protein Fibrillation inhibitor" by Name of the student Ankita Dey, Pritam De, Sayak Mondal, Rohan Mondal, in partial fulfilment for the BACHELOR OF PHARMACY under MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY is a record of the original research work under our supervision and up to our satisfaction. To our knowledge, neither his/her thesis nor any part of it has been submitted for any other academic award anywhere before. The thesis is forwarded to Controller of Examination MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY for assessment.

*Pooja Mishra*  
3/6/24

## SIGNATURE OF SUPERVISOR

Name of Supervisor: *Pooja Mishra*

Date: *03.06.2024*

Place: *Durgapur*

PROF (DR.) SAMIR KR. SAMANTA

(PRINCIPAL)

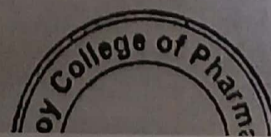
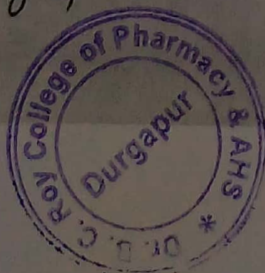
Date:

Place:

## SIGNATURE OF EXTERNAL EXAMINER

Date: *3/6/24*

Place: *Durgapur.*



*[Signature]*  
Prof. (Dr.) Samir Kumar Samanta  
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Principal  
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