



# JEYPORE COLLEGE OF PHARMACY

(Under the patronage of Banagiri Development Trust)

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Pharmacy Council of India, New Delhi, & Affiliated to Biju Patnaik University of Technology

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Ref No.:

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## **STUDENT'S CENTRIC LEARNING METHODS EXPERIMENTAL LEARNING**

B.pharm and M.Pharm students gain knowledge practically by various labs of institutes. Faculty have designed various experiments according to the PCI syllabus.

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Experiments

## Experiment No. 3

**Title:** Determine the Acid value of the given sample of castor oil.

**Requirements:** Soxhlet apparatus, condenser, vacuum filter, round bottom flask, heating mantle, castor oil, alcohol, ether, phenolphthalein indicator, potassium hydroxide.

**Theory:** The acid value is the number of milligram of potassium hydroxide required to neutralize the free acids present in 1 g of the substance. The acid value is often a good measure of the breakdown of triacylglycerols into free fatty acids, which has an adverse effect on the quality of many lipids.

$$\begin{array}{ccccccc} \text{RCOOH} & + & \text{KOH} & \longrightarrow & \text{RCOOK} & + & \text{H}_2\text{O} \\ \text{Acid} & & \text{Potassium} & & \text{Potassium} & & \\ & & \text{hydroxide} & & \text{salt of acid} & & \end{array}$$

**Procedure:**

- ◆ Weigh accurately 2 gm of castor oil.
- ◆ To it add 10 ml of alcohol and 10 ml of ether.
- ◆ Reflux it for 1 hour, so that the oil becomes miscible with alcohol-ether mixture. Cool the mixture at room temperature.
- ◆ Add few drops of phenolphthalein indicator to it.
- ◆ Titrate it using 0.1 N aqueous KOH and note down the burette reading.
- ◆ Calculate the acid value using the formula:

$$\text{Acid value} = \frac{n}{w} \times 5.61$$

where, n = Burette reading (ml), w = Weight of the sample (gm).

**Result:** The acid value of the given sample was found to be .....

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**PIC-1: PHARMACEUTICAL ORGANIC CHEMISTRY PRACTICAL PROCEDURE**

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**PIC-2: STUDENTS PRACTICAL EXPERIMENT**

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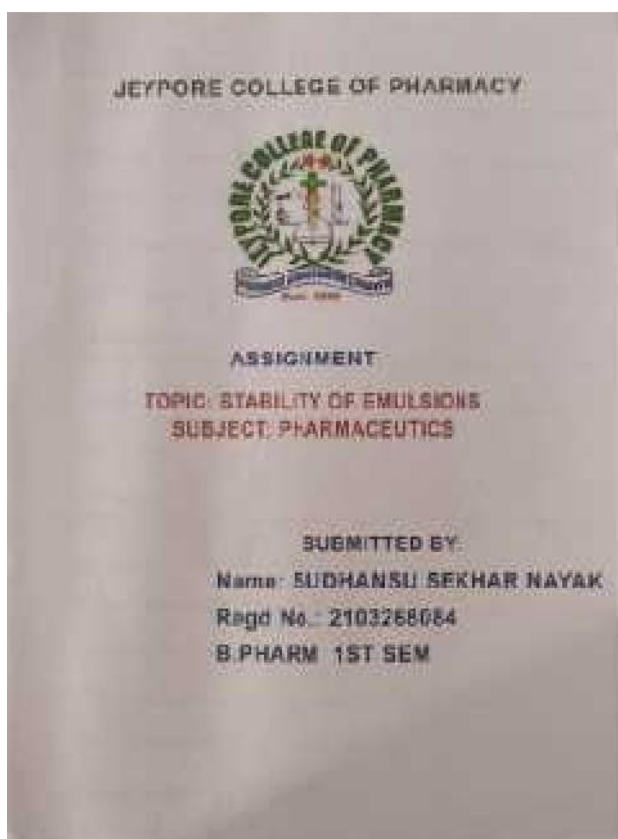
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## ● Assignments

It is the part of internal evaluation process in every semester assignments are given to the students on different topics on various subjects.



**PIC-3: ASSIGNMENT SUBMITTED BY B.PHARM 1<sup>ST</sup> SEM STUDENTS**

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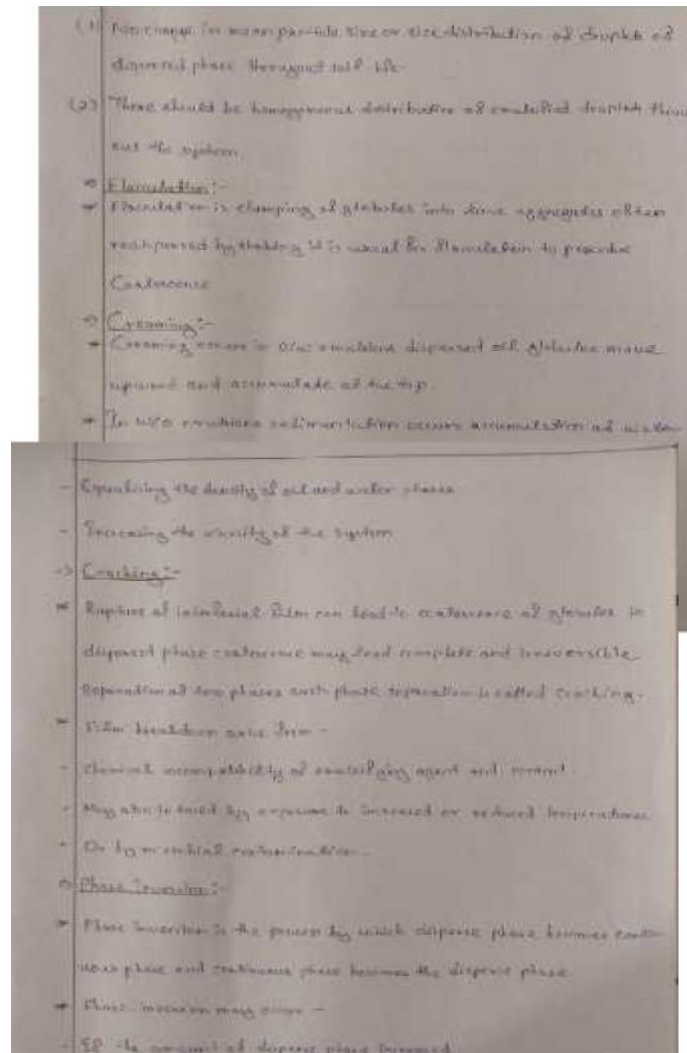
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PIC-3(I): ASSIGNMENT SUBMITTED BY B.PHARM 1<sup>ST</sup> SEM STUDENTS

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**Model Making:** Teaching learning process practices with the objective of outcome based learning at JCP to improve the professional competency and teaching learning process



**PIC-4(i):** Various models were exhibited by B.pharm Students.

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**PIC-4(ii): Various models were exhibited by B.pharm Students.**

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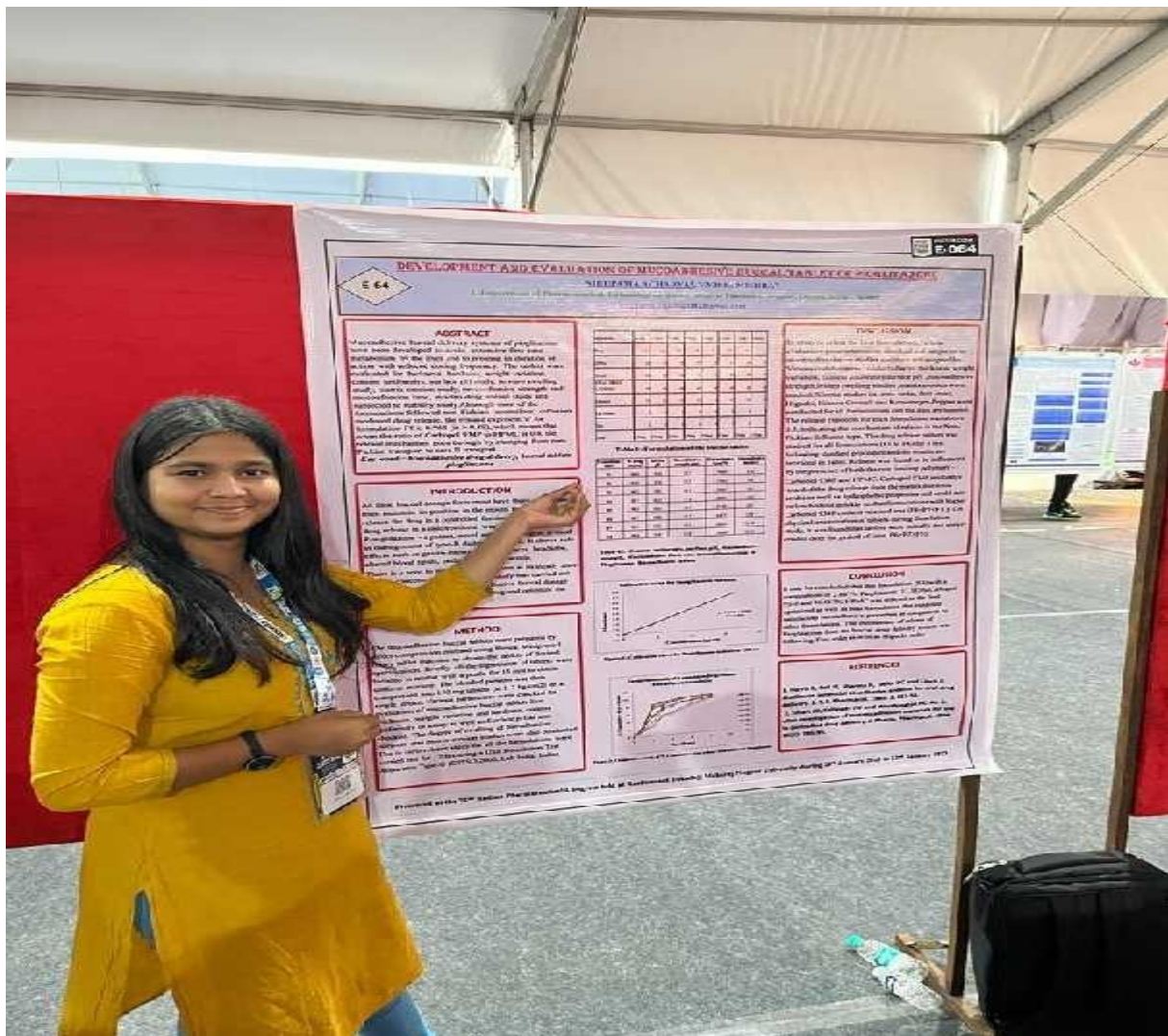
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**Participative Learning:** Our Students attend various conference like IPC 2022 and National seminar on “Insights on Current Challenges and Strategies in Pharmaceuticals Drug Delivery”.



PIC-5: POSTER PRESENTATION BY STUDENTS

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PIC-6: CERTIFICATE OF POSTER PRESENTATION

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**PIC-7: STUDENTS ATTENDING SEMINAR AT RAYAGADA**

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**PIC-8: STUDENTS PRESENTING POSTER AT RAYAGADA**

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Date:

**Industry Visit:** Industrial training programme allow student to relate the Practical knowledge with its application in the manufacturing industry. According to PCI syllabus student have to undergo practical training for a period of four week.



Ref. No. : JCP/2212/8300

Date : 05/12/22

To  
The Associate Director,  
Synpharma Pvt. Ltd,  
Hyderabad

Sub: Request to allow our B.Pharm students for 10 days vocational Training in your esteemed organization.

Dear Sir,  
Greeting from Jeypore College of Pharmacy, Banavihar, Rondapalli, Jeypore, Koraput, Odisha. I, on behalf of management, staff & students highly obliged and grateful to you for your kind co-operation extended towards our institution.

This year we are going to produce 19<sup>th</sup> batch of pharmacy graduates. Before they step out of the institution as graduate, they have to undergo 10 days vocational training as a part of their course curriculum, students list attached.

I would, therefore request you to kindly allow these students to take their industrial training in your esteemed organization and after completion of the training successfully, a certificate may please be awarded to them with intimation to our college.

Your kind co-operation is requested.

Thanking you

Sincerely

  
05/12/2022  
Principal

Jeypore College of Pharmacy  
PRINCIPAL  
JEYPORE COLLEGE OF PHARMACY  
RONDAPALLI, JEYPORE (K) 764002

**PIC-9:LETTER TO INDUSTRY FOR INDUSTRIAL TRAINING**

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**PIC-10(I) : STUDENTS DOING INDUSTRIAL TRAINING**



**PIC-10(II) : STUDENTS DOING INDUSTRIAL TRAINING**

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**PIC-10(III) : INSTRUMENTS DURING INDUSTRIAL TRAINING**

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**Hospital Visit:** Hospital training programme allow student to relate theoretical knowledge with its application in hospital. According to PCI syllabus students have to undergo Hospital training for a period of four weeks.

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ESTD. 2006  
Phone: (06854) 246225, 246322

PRACTICAL TRAINING CONTACT FORM FOR PHARMACISTS  
(See Regulation-21 (1) 1991 framed under Section 10 of the Pharmacy Act, 1954)

SECTION-I  
This form has been issued to Anjali Rath (Name of Student Pharmacist)  
by Dr. Bijayananda Rath (Name of Head of Institution) who has produced evidence before me that he/she is entitled to receive the Practical Training under Education Regulation framed under section 10 of the Pharmacy Act, 1954.  
Place: Rondapalli  
Date: 10/10/2022  
Head of Institution  
JEYPORE COLLEGE OF PHARMACY

SECTION-II  
Anjali - Rath (Name of Student Pharmacist) accepts Ashendra Kumar (Name of Apprentice Master) of Sahid Mahendra Kumar Medical College Hospital as my Apprentice Master for the above training and agree to abide by the conditions during the entire period of my training.  
Place: Jagdalpur  
Date: 11/10/22  
Anjali Rath  
Student Pharmacist

SECTION-III  
Ashendra Kumar (Name of Apprentice Master) accepts Anjali Rath (Name of Student Pharmacist) as a trainee & agrees to give her/him/her Training facilities as per regulations framed under section 10 of the Pharmacy Act, 1954.  
1. Practical Experience in:  
(a) The manipulation of Pharmaceutical Preparations in appropriate.  
(b) The reading, Translation & Copying of Prescription including the checking of Doses.  
(c) The Dispensing of Prescriptions illustrating the commoner methods of administering the medication &  
(d) The storage of Drugs & Medicinal preparations.  
Place: Jagdalpur  
Date: 12/11/22  
(Apprentice Master)  
(Name of the Address of the Institution)

SECTION-IV  
I certify that Anjali Rath has undergone more than 150 Hours Training spread over 1 month.  
(From 11/10/2022 to 28/11/2022) in accordance with the details enumerated in SECTION-III.  
Place: Jagdalpur  
Date: 28/11/22  
Head of the Training Institution  
JE Director  
Shri Mahendra Kumar Memorial Hospital  
DIMRAPAL, JAGDALPUR

PIC-11: HOSPITAL TRAINING CERTIFICATE

Rondapalli, Jeypore, Dist. Koraput-764 002, Odisha

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**PIC-12: STUDENTS DURING HOSPITAL TRAINING**

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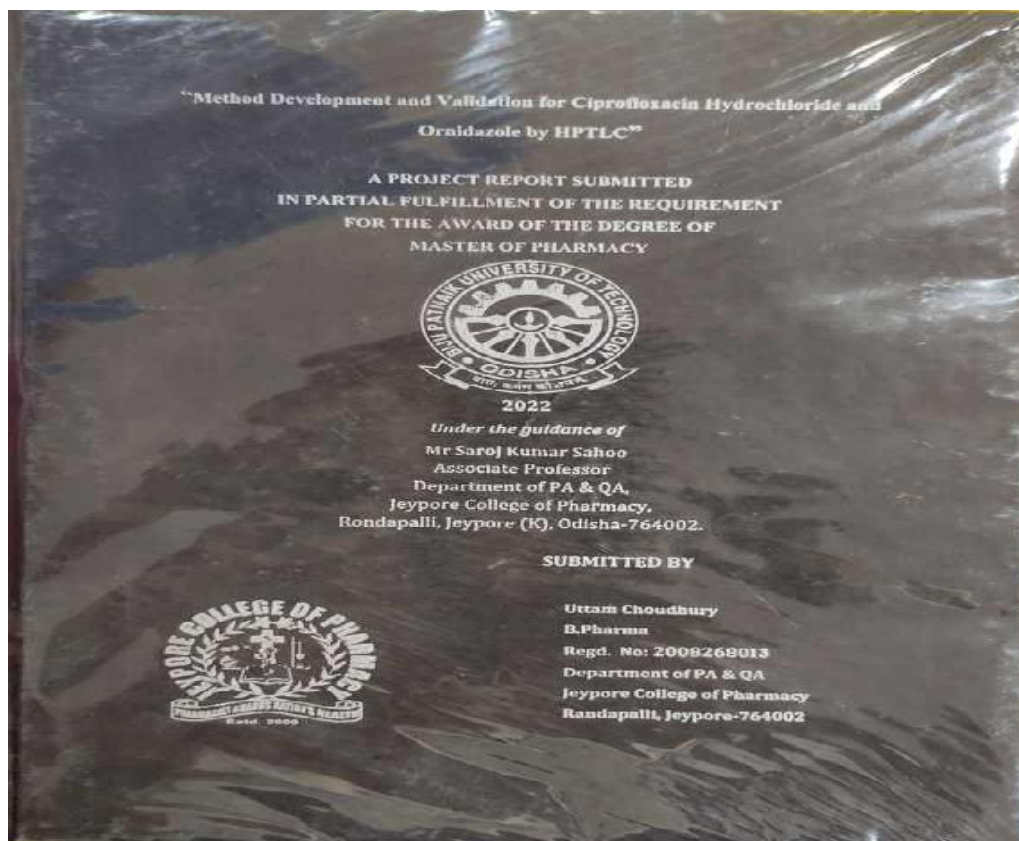
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**Project Based Learning:** In this method student gain knowledge and skill by working for an extended period of time investigate B.pharm 4<sup>th</sup> year and M.pharm 2<sup>nd</sup> year student are allotted with a project under the guidance of faculty. Marks are allotted for project result, presentation and viva.



PIC-13(I): THESIS SUBMITTED BY M.PHARM STUDENTS

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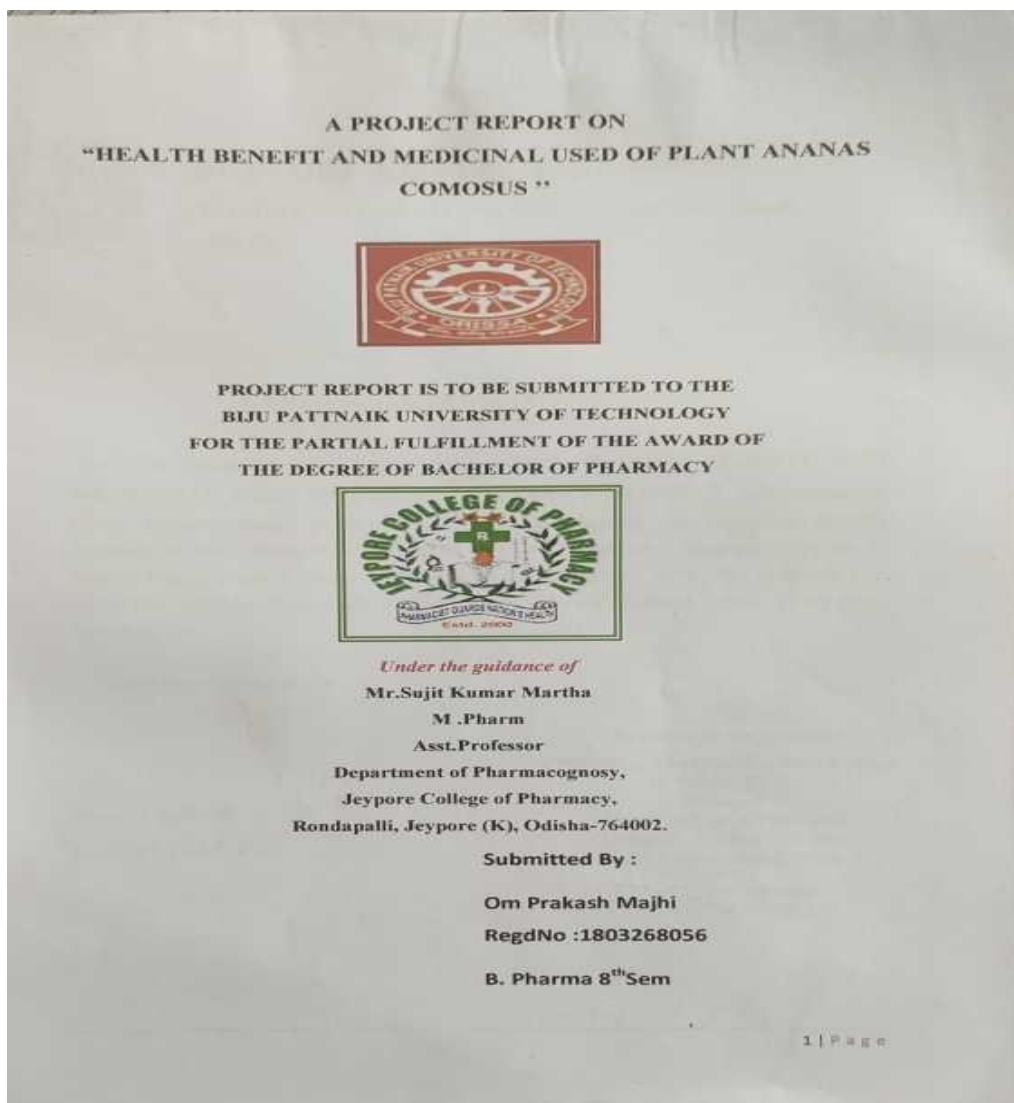
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**PIC-13(II): THESIS SUBMITTED BY B.PHARM STUDENTS**

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**CERTIFICATE FROM THE PRINCIPAL**

This is to certify that the project thesis entitled "Method Development and Validation for Ciprofloxacin Hydrochloride and Ornidazole by HPTLC" was carried out by **Uttam Choudhury** under my co-supervision for M. Pharmacy 4th semester bearing the University(BPUT) Registration No: **2008268013** at the Department of PA & QA, Jeypore College of Pharmacy, Rondapalli, Jeypore - 764002, Dist. Koraput, Odisha, during the academic year 2021-22. This thesis work or part of this work has not been published nor submitted for any degree or diploma for any other university.

I wish him/her all success in life.

Place: *Jeypore*  
Date: *26/08/2022*

  
**Signature of the Principal**  
**Dr. Sangram Keshari Panda,**  
M.Pharm., Ph.D.  
Principal,  
Jeypore College of Pharmacy,  
Rondapalli, Jeypore - 764002,  
Dist. Koraput, Orissa, India.

**PRINCIPAL**  
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**PIC-13(III): THESIS SUBMITTED BY M.PHARM STUDENTS**

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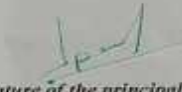
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**CERTIFICATE FROM THE PRINCIPAL**

This is to certify that the project thesis entitled " **HEALTH BENEFIT AND MEDICINAL USE OF PLANT ANANAS COMOSUS** " was carried out by **Om Prakash Majhi** B. Pharmacy 8<sup>th</sup> semester bearing the University (BPUT) Registration No: 18032680356 at Jeypore College of Pharmacy, Rondapalli, Jeypore – 764002, Dist. Koraput, Odisha, during the academic year 2018 – 2022. This thesis work or part of this work has not been published nor submitted for any degree or diploma of any other university.

I wish her all success in life.

Place: *Jeypore*  
Date: *22/02/22*

  
*Signature of the principal*  
**Prof. (Dr.) Sangram Keshari Panda,**  
M. Pharm, Ph.D.  
Principal  
Jeypore College of Pharmacy,  
Rondapalli, Jeypore – 764002,  
Dist. Koraput, Orissa, India.  
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**PIC-13(IV): THESIS SUBMITTED BY B.PHARM STUDENTS**

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