

**Department of B.Pharmacy**

| S.No. | Reg No.    | Page No. |
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| 1     | 211FN01044 | 5        |
| 2     | 221FN01001 |          |
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| 155 | 191FN01007 | 21 |
| 156 | 191FN01019 |    |
| 157 | 191FN01033 |    |
| 158 | 191FN01036 |    |



# VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

## Department of Pharmaceutical Sciences

### Industrial / Field Visit Report

Vignans's Foundation for Science Technology and Research (Deemed to be University) has organized an industrial visit to the students of B. Pharmacy I Year at Jocil Limited, Dokiparru, Andhra Pradesh on 22<sup>nd</sup> November 2022. This was conducted with the objective of improved practical exposure and understanding of various instruments involved in the manufacturing of the dosage forms and cosmetic products which the students learned theoretically in the classroom.

Jocil Ltd. is an ISO 9001:2015 certified company and is one of the reputed pharmaceutical companies in Andhra Pradesh. It has facilities for the manufacturing of Stearic Acid Flakes, Fatty Acids, Toilet Soap, Soap Noodles and Refined Glycerine. Our students visited the plant at located at Dokiparru, Guntur.

Mr. R. Benarjee, Production Advisor, addressed the students about the products being manufactured there; about how to maintain the ISO guidelines; and other precautions and policies to be followed in the industry. He also described about large scale manufacturing of soap noodles, toilet soaps, and packing processes. Later, he assigned one of the supervisors, Mr. Prakash to the students to visit the entire plant.

All the students were made to wear aprons, masks and helmets for head protection. Then the students visited various unit operation areas of mixing, drying, distillation, separation/sedimentation etc. Various instruments like tray dryer, drum dryer, spray dryer, fractional distillation, elutriation tank were shown and the operational procedures and conditions were demonstrated by Mr. Prakash.

The students interacted with him and the faculty coordinator actively and got clarifications for many doubts. They felt happy with the gained practical knowledge on the manufacturing of soaps with detailed unit operations involved.





**List of Students Participated**

| S. No. | Name                        | Regd. No.  |
|--------|-----------------------------|------------|
| 1      | SARWAR ALAM                 | 211FN01044 |
| 2      | ABHAY KUMAR SAH             | 221FN01001 |
| 3      | AKHILESH KUMAR              | 221FN01004 |
| 4      | ALOK KUMAR SHARMA           | 221FN01006 |
| 5      | AMAN KUMAR                  | 221FN01008 |
| 6      | AMARJIT KUMAR YADAV         | 221FN01010 |
| 7      | AMER BILAL SAAD ELAWAD      | 221FN01011 |
| 8      | ARUN KUMAR                  | 221FN01013 |
| 9      | ATAHAR IMAM HASAN           | 221FN01014 |
| 10     | BABLU KUMAR                 | 221FN01015 |
| 11     | BIPIN KUMAR                 | 221FN01017 |
| 12     | DEVENDRA KUMAR YADAV        | 221FN01018 |
| 13     | DHIRAJ KUMAR                | 221FN01019 |
| 14     | DHIRAJ KUMAR MANDAL         | 221FN01020 |
| 15     | FAHAD AHMED HASSAN MOHAMMED | 221FN01021 |
| 16     | FAISAL RAHMAN               | 221FN01022 |
| 17     | GULFAM ANSARI               | 221FN01024 |
| 18     | HARSH RAJ                   | 221FN01025 |
| 19     | JANE ALAM                   | 221FN01026 |
| 20     | JASMUDIN ANSARI             | 221FN01027 |
| 21     | JITENDRA KUMAR              | 221FN01028 |



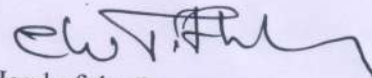
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|----|-------------------------------|------------|
| 22 | KUMARI ARCHANA SINGH          | 221FN01029 |
| 23 | MANISH KUMAR                  | 221FN01030 |
| 24 | MD FAIZAN RAZA                | 221FN01034 |
| 25 | MITHLESH KUMR                 | 221FN01037 |
| 26 | MOHAMED AHMED KHOGALI MOHAMED | 221FN01038 |
| 27 | MUMTAZ ALAM                   | 221FN01039 |
| 28 | NIKHIL KUMAR                  | 221FN01040 |
| 29 | NOOR MUSAHID                  | 221FN01041 |
| 30 | OM NATH KUMAR RAJBHAR         | 221FN01043 |
| 31 | PRAGYA                        | 221FN01046 |
| 32 | PRAKASH KUMAR SHARMA          | 221FN01047 |
| 33 | RAGHAV KUMAR                  | 221FN01050 |
| 34 | RAHUL KUMAR                   | 221FN01051 |
| 35 | RAUSHAN KUMAR                 | 221FN01053 |
| 36 | ROHIT MANDAL                  | 221FN01054 |
| 37 | SANDEEP KUMAR CHAUDHARY       | 221FN01056 |
| 38 | SHAHJAD RAJA                  | 221FN01059 |
| 39 | SIDHARTH KUMAR                | 221FN01061 |
| 40 | SUDHANSHU KUMAR               | 221FN01062 |
| 41 | SUJAY KUMAR                   | 221FN01063 |
| 42 | SWARAJ KUMAR                  | 221FN01064 |
| 43 | TANWEER ALAM                  | 221FN01065 |
| 44 | SAJID ALAM                    | 221FN01070 |
| 45 | AASHUTOSH KUMAR               | 221FN01071 |
| 46 | GOVIND KUMAR SAH              | 221FN01072 |
| 47 | PAWAN KUMAR                   | 221FN01073 |
| 48 | RUPESH KUMAR THAKUR           | 221FN01074 |
| 49 | SAROJ KUMAR                   | 221FN01076 |
| 50 | TRILOKINATH SHASTRI           | 221FN01077 |
| 51 | HARINARAYAN PRASAD YADAV      | 221FN01078 |
| 52 | VIKASH KUMAR SAH              | 221FN01079 |
| 53 | GOLU KUMAR                    | 221FN01080 |
| 54 | MIRZA ALI                     | 221FN01081 |
| 55 | AMAN KUMAR                    | 221FN01082 |

**Faculty Coordinators**

1. Mr. M. Venkata Ramana
2. Mr. S. Ramu

Place: Vadlamudi

Date: 23-11-2022



Head of the Department

(Dr. Ch. Jithendra)

**Dr. Jithendra Chimakurthy**  
 OD, Pharmaceutical Sciences  
 SBPS, VFSTR, Vadlamudi



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Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

## Department of Pharmaceutical Sciences

### Industrial / Field Visit Report

Vignans's Foundation for Science Technology and Research (Deemed to be University) has organized an industrial visit to the students of B. Pharmacy II Year at Jocil Limited, Dokiparru, Andhra Pradesh on 29<sup>th</sup> November 2022. This was conducted with the objective of improved practical exposure and understanding of various instruments involved in the manufacturing of the dosage forms and cosmetic products which the students learned theoretically in the classroom.

Jocil Ltd. is an ISO 9001:2015 certified company and is one of the reputed pharmaceutical companies in Andhra Pradesh. It has facilities for the manufacturing of Stearic Acid Flakes, Fatty Acids, Toilet Soap, Soap Noodles and Refined Glycerine. Our students visited the plant at located at Dokiparru, Guntur.

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All the students were made to wear aprons, masks and helmets for head protection. Then the students visited various unit operation areas of mixing, drying, distillation, separation/sedimentation etc. Various instruments like tray dryer, drum dryer, spray dryer, fractional distillation, elutriation tank were shown and the operational procedures and conditions were demonstrated by Mr. Prakash.

The students interacted with him and the faculty coordinator actively and got clarifications for many doubts. They compared the knowledge gained here with what they were currently studying in their Pharmaceutical Engineering subject of II Year I Semester. They felt happy with the gained practical knowledge on the manufacturing of soaps with detailed unit operations involved.





**List of Students Participated**

| S. No. | NAME OF THE STUDENT                    | REGD. No.  |
|--------|--|------------|
| 1      | FARUK MANSURI                          | 201FN01014 |
| 2      | ABHISHEK CHAURASIYA                    | 211FN01001 |
| 3      | ADARSH RAJ PRASAD                      | 211FN01003 |
| 4      | AKASH KUMAR CHAUHAN                    | 211FN01005 |
| 5      | ALI KAMAL ALI HASSAN                   | 211FN01006 |
| 6      | ASHUTOSH KUMAR PANDIT                  | 211FN01008 |
| 7      | BADAL KUMAR                            | 211FN01009 |
| 8      | BORRA VENKATA SIVAMANI MOUNIKA SUJATHA | 211FN01010 |
| 9      | EZABUL HAQUE                           | 211FN01012 |
| 10     | FIZZAH FATMA                           | 211FN01014 |
| 11     | GANTA LAKSHMI PRASANTHI                | 211FN01015 |
| 12     | GOWRNENI GEETHIKA                      | 211FN01016 |



|    |                                     |            |
|----|-------------------------------------|------------|
| 13 | KANCHARLA TRIVENI                   | 211FN01017 |
| 14 | KURAPATI NIKHITHA                   | 211FN01020 |
| 15 | MARUF ANSARI                        | 211FN01021 |
| 16 | MD IMRAN ALI                        | 211FN01022 |
| 17 | MD MUSHFIQUE ALAM                   | 211FN01024 |
| 18 | MOHAMED ELSADIG ELSIDEEG AHMED      | 211FN01027 |
| 19 | MOHAMMAD MOZAMMIL                   | 211FN01028 |
| 20 | MOHAMMED ELTUEB YOUSIF HAMED        | 211FN01029 |
| 21 | MOHAMMED SALEH HAMED ADAM           | 211FN01030 |
| 22 | NAZIR ELDOUMA ABDALLA ADAM          | 211FN01031 |
| 23 | NITISH KUMAR                        | 211FN01033 |
| 24 | NITISH KUMAR                        | 211FN01034 |
| 25 | PRASHANT KUMAR HIMANSHU             | 211FN01036 |
| 26 | RAHUL KUMAR GUPTA                   | 211FN01037 |
| 27 | RAVI KUMAR SINGH                    | 211FN01039 |
| 28 | SHEHAB ESAMELDEEN HAMMAD<br>HUSSEIN | 211FN01046 |
| 29 | SHREYA SINGH                        | 211FN01047 |
| 30 | TALLA ALEKHYA                       | 211FN01050 |
| 31 | VIKASH KUMAR                        | 211FN01051 |
| 32 | VIKASH KUMAR YADAV                  | 211FN01052 |
| 33 | VISHWAS KUMAR                       | 211FN01053 |
| 34 | VIVEK KUMAR YADAV                   | 211FN01054 |
| 35 | ANKIT NANDAN                        | 211FN01056 |
| 36 | JALLURI BHAVYA                      | 211FN01059 |
| 37 | NAMBURI YASWANTH SAI KRISHNA        | 211FN01061 |
| 38 | GOVIND KUMAR                        | 211FN01062 |
| 39 | DEEPAK KUMAR                        | 211FN01063 |
| 40 | ARUN KUMAR                          | 211FN01065 |

**Faculty Coordinators**

1. Mr. M. Venkata Ramana
2. Mr. P. Prudhvi

Place: Vadlamudi

Date: 30-11-2022

  
Head of the Department

(Dr. Ch. Jithendra)

**Dr. Jithendra Chimakurthy**  
HOD, Pharmaceutical Sciences  
SBPS, VFSTR, Vadlamudi



# VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

## Department of Pharmaceutical Sciences

### Industrial / Field Visit Report

Vignans Foundation for Science Technology and Research (Deemed to be University) has organized an industrial visit to the students of B. Pharmacy III Year at Fizikem Laboratories Pvt. Ltd, G. Konduru, Vijayawada, Andhra Pradesh on 06<sup>th</sup> December 2022. This was conducted with the objective of improved practical exposure and understanding of various departments of operation like Production of solid dosage forms and liquid orals, and Quality control in the Pharmaceutical Industry which the students learned theoretically in the classroom.

Fizikem Laboratories is one of the fast growing pharmaceutical companies in South India having its presence in the industry for over 30 years. It is also in the manufacturing and marketing of Allopathic, Ayurvedic Formulations and cosmetic products. Several products generic products as tablets and capsules; and over the counter products like various oils and lotions for topical and oral route are being manufactured at this organization.

Dr. Rajendra Prasad, General Manager, addressed the students and the faculty coordinator about the products being manufactured there; policies and SOPs followed in their industry. He also described about various unit operations like mixing, drying, compression and coating as part of manufacturing of tablets and capsule products. Later, he assigned Mr. S. Shyam, Plant Supervisor for the students to visit the plant.

The students were taken to the tablet production unit first. There, several equipment like octagonal blender and sigma mixer were shown and explained about their use for mixing of powders. Fluidized bed processing for granulation was demonstrated and explained for feed inlet, set-up of processing controls, and checking the completion of the process. Then the students were taken to tablet compression area. A 32-stage rotary tablet compression machine was shown in demonstrated about the functioning of every part in detail. Stages of tablet compression like filling, compression and ejection were shown and the obtained tablets as samples were given for visual inspection and hardness checking.



Later, the students were taken to quality control area. Several quality control testing like ash value, moisture content, friability, disintegration, dissolution etc. were demonstrated by the faculty coordinator along with Mr. S. Shyam. Then packing area was visited and the students observed the process of blister packing.

The students interacted with him and the faculty coordinator actively and got clarifications for many doubts. They compared the knowledge gained here with what they were currently studying in their Industrial Pharmacy – I subject of III Year I Semester. They felt happy with the gained practical knowledge on the industrial manufacturing of tablets and filling of capsules along with their quality control and packing with detailed processes and equipment involved.



#### List of Students Participated

| S. No. | STUDENT NAME                              | REGD. No.  |
|--------|---|------------|
| 1      | ABHINANDAN KUMAR                          | 191FN01024 |
| 2      | ABDELMAGED KHATER OMER ARBAB              | 201FN01001 |
| 3      | AMIT KUMAR                                | 201FN01005 |
| 4      | ANKIT KUMAR                               | 201FN01006 |
| 5      | AZMAL FAROOQUE                            | 201FN01009 |
| 6      | FAKHRELDIN ELTAYEB ABDALAZIZ<br>ABDALLA   | 201FN01013 |
| 7      | FATHELRAHMAN EBRAHIM MOHAMMED<br>AWADALLA | 201FN01015 |
| 8      | JUBAID KHAN                               | 201FN01018 |



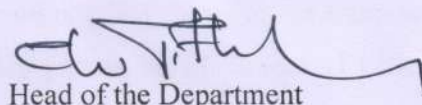
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|----|---|------------|
| 9  | MASOOM ANSARI                           | 201FN01021 |
| 10 | MD MOIM AKHTAR                          | 201FN01024 |
| 11 | MD NADEEM                               | 201FN01025 |
| 12 | MD NADIR                                | 201FN01026 |
| 13 | MD ZAKIR                                | 201FN01028 |
| 14 | MITHUN KUMAR SINGH                      | 201FN01030 |
| 15 | MOHAMED ABDELRAHIM MOHAMEDALI ELKHALIFA | 201FN01031 |
| 16 | MOHAMMAD MOJAMMIL                       | 201FN01032 |
| 17 | MUKESH KUMAR                            | 201FN01033 |
| 18 | MUMTAJ ANSARI                           | 201FN01034 |
| 19 | NEERAJ KUMAR                            | 201FN01035 |
| 20 | RAJA BABU                               | 201FN01040 |
| 21 | RAKESH KUMAR                            | 201FN01042 |
| 22 | SAFINA KHATOON                          | 201FN01046 |
| 23 | SHAHBAJ ALI                             | 201FN01049 |
| 24 | SHUBHAM KUMAR                           | 201FN01052 |
| 25 | SHYAM SUNDAR KUMAR                      | 201FN01053 |
| 26 | SOLAFALDEN ABDALLA YAGOUB MOHMED        | 201FN01054 |
| 27 | SUMIT KUMAR SHARMA                      | 201FN01056 |
| 28 | SWEETY KUMARI JAISWAL                   | 201FN01057 |
| 29 | THIYYAGURA DEVA HARSHINI                | 201FN01058 |
| 30 | UPPALA PAVANI HARSHITHA                 | 201FN01059 |
| 31 | VISHWAKARMA PRASAD                      | 201FN01060 |
| 32 | VIVEK KUMAR                             | 201FN01061 |
| 33 | KUNO ADWOK OKOK YOWIN                   | 201FN01062 |
| 34 | AJHAR ANSARI                            | 201FN01064 |
| 35 | MD SHAKIL AKHTAR                        | 201FN01065 |
| 36 | MOHAMED ELHASSAN KABASHI ELHASSAN       | 201FN01066 |
| 37 | ABHISHEK KUMAR                          | 201FN01067 |
| 38 | ANUJ KUMAR                              | 201FN01068 |
| 39 | VENUMADHURI YANDRA                      | 201FN01069 |
| 40 | VAJJA CHANDRIKA                         | 201FN01070 |
| 41 | RAKESH KUMAR SINGH                      | 201FN01072 |

#### Faculty Coordinators

1. Mr. M. Venkata Ramana
2. Mr. P. Prudhvi

Place: Vadlamudi

Date: 07-12-2022



Head of the Department

(Dr. Ch. Jithendra)

**Dr. Jithendra Chimakurthy**  
HOD, Pharmaceutical Sciences  
SBPS, VFSTR, Vadlamudi

**Dept. of Pharmaceutical Sciences, VFSTR**  
**IV B. Pharm II Semester Projects of 2022-23 Batch**

| S. No. | Guide                 | Students   |                                  | Project title  |
|--------|-----------------------|------------|----------------------------------|--|
|        |                       | Reg. No.   | Name                             |  |
| 1      | Dr. G Srikar          | 191FN01002 | SAI BHASKAR BODDULURU            | Formulation development and evaluation of phenylephrine hydrochloride lozenges   |
|        |                       | 191FN01009 | ASHRAF ZAINELDIN KHAMIS EBAID    |  |
|        |                       | 191FN01026 | Shammi                           |  |
|        |                       | 191FN01027 | Wali Umar                        |  |
| 2      | Dr. K Satish          | 191FN01001 | KURRA SARATH SAI KUMAR           | Natural heterocyclic compound as potential anticancer agent: In silico and in vitro evaluation   |
|        |                       | 191FN01003 | MADASU VENKATA GURUVULU          |  |
|        |                       | 191FN01015 | SONI KUMARI                      |  |
|        |                       | 191FN01035 | MD ETTEFAQUE ALAM                |  |
| 3      | Dr. M. Suryaprabha    | 191FN01020 | KANHAIYA KUMAR                   | Novel tendencies of plants as regular phytochemical sources of dentistry - Formulation and evaluation of poly herbal oral preparation comprising of <i>Mimusops elengi</i> |
|        |                       | 191FN01021 | SHANTANU KUMAR                   |  |
|        |                       | 191FN01038 | ASHUTOSH KUMAR                   |  |
| 4      | Mr. M. Venkata Ramana | 191FN01008 | RICHA KUMARI                     | Preparation and in vitro evaluation of the solid dispersions of glipizide  |
|        |                       | 191FN01018 | ROHIT PRABHAKAR                  |  |
|        |                       | 191FN01030 | AKASH KUMAR                      |  |
| 5      | Dr. P. Bharath        | 191FN01016 | OSMAN ABDELRAHMAN HASSAN KOKO    | Preparation and evaluation of novel topical formulation for the treatment of alopecia  |
|        |                       | 191FN01017 | ABHISHEK RAJ                     |  |
|        |                       | 191FN01028 | RAJU KUMAR                       |  |
| 6      | Mr. P. Prudhvi        | 191FN01005 | YEPURI RASI ANJANESWARI          | Structure based insilico design and development of COX-2 inhibitors as potential antiinflammatory lead compounds   |
|        |                       | 191FN01013 | MURAKONDA LIKHITHA               |  |
|        |                       | 191FN01022 | SHIVAM KUMAR GAUTAM              |  |
|        |                       | 191FN01023 | RITIK KUMAR THAKUR               |  |
| 7      | Mr. S. Ramu           | 191FN01007 | BILLAPATI MANIKANTA              | Preparation and characterization of novel co-crystals of 5-Fluorouracil  |
|        |                       | 191FN01019 | SINKA PADMAVATHI                 |  |
|        |                       | 191FN01033 | SHUBHAM KUMAR                    |  |
|        |                       | 191FN01036 | RITIK KUMAR                      |  |
| 8      | Dr. S. Subramanyam    | 191FN01006 | KONDABOLU RAGHU RAM              | Synthesis, characterization, molecular docking and ADMET properties of novel benzimidazole derivatives as potent anti-cancer agents against 3ERT                           |
|        |                       | 191FN01011 | ISMAIL ALTAHIR ABDULRAHMAN IDRIS |  |
|        |                       | 191FN01025 | PRASANJEET KUMAR                 |  |
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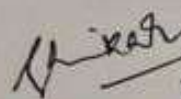
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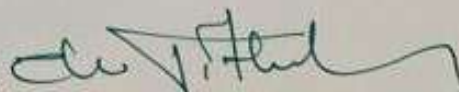
This is to certify that Mr. SAI BHASKAR (191FN01002), Mr. ASHRAF (191FN01009), Ms. SHAMMI (191FN01026) and Mr. WALI UMAR (191FN01027) are bonafide students of this institution and have submitted the main project work entitled "**Formulation development and evaluation of Phenylephrine hydrochloride lozenges**". In the partial fulfilment for the award of the degree of "**BACHELOR OF PHARMACY**" prescribed by the Vignan's Foundation for Science, Technology and Research (Deemed to be University).

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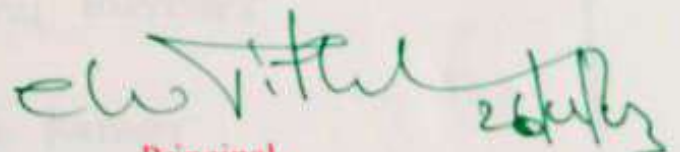
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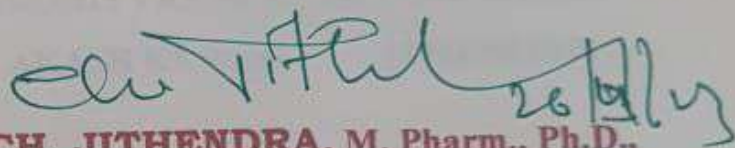
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This is to certify that this dissertation work entitled **Preparation and *in vitro* evaluation of the solid dispersions of glipizide** by using microwave irradiation" submitted by **RICHA KUMARI (191FN01008)**, **ROHIT PRABHAKAR (191FN01018)**, **AKASH KUMAR (191FN01030)** in partial fulfillment of the requirement for the award of degree in **Bachelor of Pharmacy**, Vignan's Foundation for Science, Technology and Research, Vadlamudi, Guntur. Comprises bonafide work done by them under the guidance of **Mr. Mr. M VENKATA RAMANA M. Pharm., (Ph.D.)**, Assistant Professor, Department of Pharmaceutical Sciences, School of Biotechnology and Pharmaceutical Sciences, Vignan's Foundation for Science, Technology and Research, Vadlamudi, Guntur.



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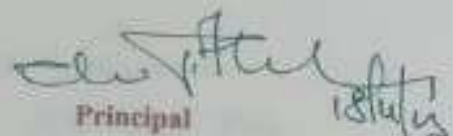
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# PREPARATION AND CHARACTERIZATION OF NOVEL CO-CRYSTALS OF 5-FLUOROURACIL

A Dissertation work submitted  
to  
Department of Pharmaceutical Sciences,  
School of Biotechnology and Pharmaceutical Sciences



In partial fulfillment for the award of degree  
in  
**BACHELOR OF PHARMACY**

Submitted By

**BILLAPATI MANIKANTA (191FN01007)**  
**SINKA PADMAVATHI (191FN01019)**  
**SHUBHAM KUMAR (191FN01033)**  
**RITIK KUMAR (191FN01036)**

Under the Guidance of  
**Mr. RAMU SAMINENI, M. Pharm., (Ph.D.),**  
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**APRIL-2023**

## **CERTIFICATE BY THE PRINCIPAL**

This is to certify that this dissertation work entitled "SYNTHESIS, CHARACTERIZATION, MOLECULAR DOCKING AND ADMET PROPERTIES OF NOVEL BENZIMIDAZOLE DERIVATIVES AS POTENT ANTI-CANCER AGENTS AGAINST 3ERT" submitted by KONDABOLU RAGHURAM, ISMAIL, PRASANJEET, SANMATI KUMARI. in partial fulfillment of the requirement for the award of degree in **Bachelor of Pharmacy**, Vignan Foundation for Science, Technology and Research, Vadlamudi, Guntur. Comprises bonafide work done by them under the guidance of **Dr. S. SUBRAMANYAM M. Pharm., Ph.D.**, Assistant Professor, Department of Pharmaceutical sciences, School of Biotechnology and Pharmaceutical Sciences, Vignan Foundation for Science, Technology and Research, Vadlamudi, Guntur.

  
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