

MEMORANDUM OF UNDERSTANDING (MoU)

Between



NIPER HYDERABAD

National Institute of Pharmaceutical Education and Research



(2021-2026)

**National Institute of Pharmaceutical Education
and Research (NIPER),
Hyderabad, Telengana State, India**

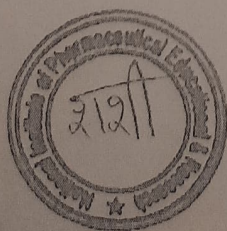
With

**BLDE Association
Vijayapur, Karnataka, India (Established 1910)**

The Constituent Colleges:

1. BLDE Association's Shri Sanganabasava Mahaswamiji College of Pharmacy & Research Centrem Vijayapur, Karnataka
2. BLDE Association's AVS Ayurveda Mahavidyalaya, Vijayapur, Karnataka
3. BLDE Association's V.P.Dr.P.G.Halakatti College of Engineering & Technology, Vijayapur, Karnataka, India (Department of Chemistry, VTU Research Centre)
4. BLDE Association's SB Arts and KCP Science College, Vijayapur, Karnataka, India (Postgraduate Department of Chemistry)

Date: 20-03-2021



[Signature]

Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

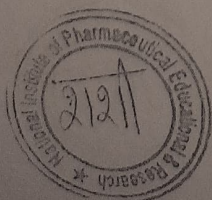
National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, TS, India is referred as Party 1 and BLDE Association, Vijayapura, Karnataka State, India is referred as Party 2.

A. Background:

National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, Telangana State, India (Party 1) and BLDE Association, Vijayapura, Karnataka, India (Party 2) for the purpose of furthering cooperation through educational, research and academic exchanges, hereby affirm their intent to promote such cooperation activities as will be of mutual benefit for their respective institutions.

B. Scope of Co-operation & Activities:

1. Development of mutually beneficial academic programmes and courses;
2. Coordination of academic staff mobility for purposes of teaching, research and training;
3. Coordination of postgraduate student [M.Sc(Chemistry), M.S (Pharma), M.Tech (Pharm), MBA (Pharm), M.Pharm, Pharm D, MD/MS (Ayu)] mobility programmes for study and research.
4. Exchange of PhD research students of Pharmacy, Ayurveda, Chemistry).
5. Sharing of research facilities on mutually agreed terms.
6. Sharing of sophisticated high cost instrumentation facilities.
7. Coordination of academic activities such as joint research, joint supervision of PG and doctoral program, joint publication(s), origination of joint QIP (Quality Improvement Programme) and training programmes.
8. Both the organization mutually agree to take up and supervise or co-supervise doctoral research projects of all pharmacy and chemistry disciplines to pool expertise. To establish research ecosystem in both organization, approved doctoral co guides under their respective institutes/university
9. Exchange of documents and research materials in fields of mutual interest provided that, to the best of knowledge of the respective institutions, there is no prohibition at law or otherwise against the exchange.
10. Other such activities as considered by the parties to be of mutual benefit towards furthering education and research programme.



National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, TS is an "Institute of National Importance" with proclaimed objectives of becoming Centre of Excellence for advanced research in pharmaceutical sciences under the aegis of Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, the Govt. of India. The vision of NIPER Hyderabad is to serve as a leading global institution in the field of higher learning and research in Pharmaceutical Sciences and Management. It runs M.S.(Pharm), M.Tech(Pharm), M.B.A(Pharm) and PhD programs. NIPER-Hyderabad ranked 5th in 2020 NIRF in pharmacy category.

BLDE Association, Vijayapura, Karnataka State The Bijapur Lingayat District Educational Association (BLDEA) was established in the year 1910. It is a not for profit organization catering to the educational needs of under privileged children and widening educational opportunities. Promoting religious, scientific and general literature is one of the important objective of the Association. BLDEA aims to achieve this objective by establishing schools, colleges and free student hostels for poor students. The Association with a rich history of more than a century is dedicating for multi-literary development through its wide educational and cultural institutions network. (<https://www.bldea.org/>)

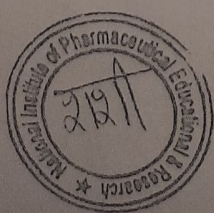
BLDE Association's Shri Sangunabasava Mahaswamiji College of Pharmacy & Research Centre was established in the year 1982, to cater to the needs of Pharmacy education and research in North Karnataka region. Since it's inception, the College has earned great respect and reputation among the students and people across the state for imparting quality Pharmaceutical education and research and has continued to be one of the prominent Pharmacy education institution of the region. The institution has B.Pharm, M.Pharm, Pharm D, and PhD curriculum under RGUHS, Karnataka (vide <http://www.bldeapharmacy.ac.in/>).

BLDE Association's AVS Ayurveda Mahavidyalaya, Vijayapur was established in the year 1955. Initially started with Diploma Course in Ayurveda, later upgraded with Degree Course and now it is having Post Graduate & Ph.D Courses. Since the inception the Institution is catering the needs of Students and Society. This Institution has 150 bedded well equipped Hospital. More than 40 Teaching Faculty members are serving in this Institution. The Institution feels proud to have around 2000 alumni's. This Institution is crowned with 48 ranks to the University (<https://bldeavssamy.ac.in/>).

BLDE Association's V.P.Dr.P.G.Halakatti College of Engineering & Technology, Vijayapur was established in the year 1980. College runs B.E, M.E, M.C.A., M.B.A. and PhD programs. Department of Chemistry under Science & Humanities runs V.T.U.affiliated research centre with PhD program in Chemistry. (<http://bldeacet.ac.in/science-humanities/>)

BLDE Association's SB Arts and KCP Science College, Vijayapur is Pre-Independence College established in 1945. It is also a flag-ship of BLDE Association with 76 years of long standing academic excellence. It runs B.Sc., B.A., B.C.A; M.A.; M.Sc. programs and research centre in chemistry (<https://www.bldea.org/sb-arts-and-kcp-science-college/>)

Herein All the four institutions under BLDE Association which will be covered under this MOU will be only mentioned as BLDE Association, Vijayapur, Karnataka, India,



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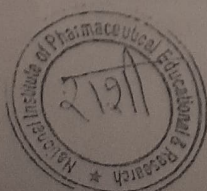
C. Management of Co-operation:

1. The implementation of exchange based on the MOU shall be separately negotiated and determined by both the organizations (Party 1 and Party 2).
2. Nothing shall diminish the full autonomy of either organization (Party 1 and Party 2), nor will any constraint or financial obligations be imposed by either upon the other in carrying out MOU.
3. Any notice required to be given under this Agreement by either Party (1 & 2) will be in writing and sent to the other Party by either hand delivery or by certified postal mail.

D. Terms & Termination:

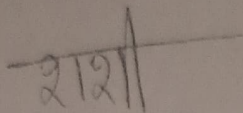
1. The MoU will be valid for a period of 5 years from the effective date. Thereafter, renewal of the MoU will be subject to the written agreement between the parties.
2. The MoU is subject to revision by mutual written agreement.
3. It is also understood that, either party may terminate the MoU for any reason and that any time upon thirty (30) days prior written notice to the other party; although such action will only be taken after mutual consultation in order to avoid any possible inconvenience to all parties.
4. The MoU is effective when representatives of both parties have signed and dated the document ("Effective Date").

at: 12



AUTHORISE TO SIGN FOR AND ON BEHALF OF NIPER
HYDERABAD, TS, INDIA (PARTY-1)

Signature:



Date: 20-03-2021

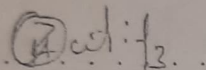
Name in Capitals: DR.SHASHI BALA SINGH

Position in Organization/Institution : DIRECTOR

Official Seal:

डॉ. शशी बाला सिंह/Dr. SHASHI BALA SINGH
निदेशक/Director
राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान (नाईपर)
National Institute of Pharmaceutical
Education and Research (NIPER)
बालानगर, हैदराबाद-५०० ०३७, टी.एस., भारत
Balanagar, Hyderabad-500 037, T.S., India

AUTHORISE TO SIGN FOR AND ON BEHALF OF BLDE
ASSOCIATION, VIJAYAPUR, KARNATAKA, INDIA (PARTY-2)

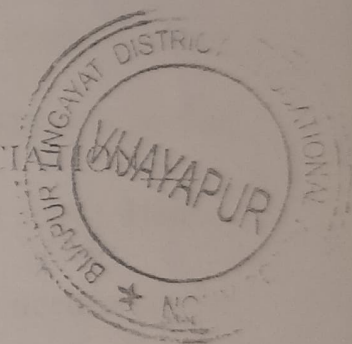
Signature: 

Date: 20-03-2021

Name in Capitals: **Director**
BLDE Association,
Vijayapura.

Position in Organization/Institution: DIRECTOR, BLDE ASSOCIATION

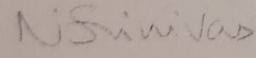
Official Seal:



Witness: NIPER, Hyderabad (PARTY 1)

Name : PROF. NANDURI SRINIVAS

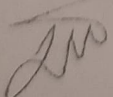
Designation: DEAN, NIPER HYDERABAD

Signature with date:  20/03/2021

Witness: BLDE ASSOCIATION, Vijayapur (PARTY 2)

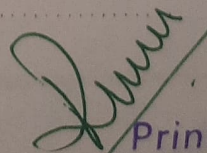
Name : PROF.DR.R.V.KULKARNI

Designation: Chief Administrative Officer, BLDE Association, Vijayapur-586103, Karnataka, India.

Signature with date:  20/3/2021

Administrative Officer,

BLDE Association, The End,
Vijayapur


Principal,
S.B. Arts and KCP Science College,
VIJAYAPUR

Date:22.08.23

To,
The Principal,
BLDE's, S.B. Arts and K.C.P. Science College,
Vijayapur.

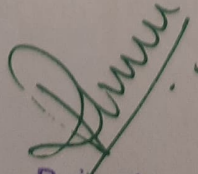
From,
The PG Department of Chemistry,
BLDE's, S.B. Arts and K.C.P. Science College,
Vijayapur.

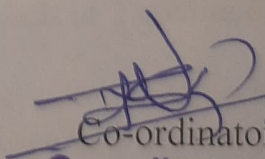
Subject: Regarding permission to visit NIPER-HYDERABAD.

Respected Sir/Madam

With reference to the subjected cited above, **The Post Graduate Department of Chemistry** is planning to visit NIPER, Research Institute along with M. Sc. Final year students (18) and faculty (04) on **7th Sep. 2023** as a part of our M. Sc. Syllabus and as we have MoU with NIPER (attached the copy). Hence, I request you to give the permission to visit the NIPER and do the needful as the earliest.

Thanking You


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR


Co-ordinator
P.G. Department of Chemistry
S.B. Arts & K.C.P. Science College,
Vijayapur-586101

RANI CHANNAMMA UNIVERSITY
DEPARTMENT OF CHEMISTRY
[SCHOOL OF BASIC SCIENCES]

Regulations & Scheme of Examination
for
M.Sc. Degree in Chemistry
as per under CBCS
(Effective from the Academic Year 2020-21)

1.0 Title of the Course

The course shall be called **M.Sc. in CHEMISTRY.**

1.1 Duration of the course: The M.Sc. degree course is of two years duration, spread over four semesters each of four months duration.

1.2 Eligibility for Admission: The Bachelor's degree in Science or equivalent degree with Chemistry as one of the subject. The candidate should have obtained at least 40% of marks in optional subjects as well as in aggregate. Relaxation in respect of SC/ST/Cat -I etc. will be followed as per prevailing rules of the university.

1.3. Admission & Seat Matrix: The rules for admission & Seat matrix are as per university notification from time to time.

1.4. Admission to other semesters: students are allowed to take admissions to successive semesters under carry over benefit (COB) facility.

2.0 Attendance: Every student must have at least 75% attendance in each paper (Theory & Practical) in each semester. Shortage of attendance will be dealt with as per the university rules from time to time.

3.0 Medium of instruction: The medium of instruction shall be English.

4.0 Course Structure:

There shall be *Three* category of Papers namely, Hard Core (Theory), Soft core (Practicals) and Open Elective (Theory) Papers for M.Sc. in Chemistry.

In the 1st semester, there shall be 4 hardcore theory papers of 4 credits in each paper and 1 hardcore paper of 2 credits and 3 practicals each of 2 credits.

In 2nd semester, there shall be 3 hardcore theory papers of 4 credits in each paper and 1 hardcore paper of 2 credits and 3 practicals each of 2 credits & one Open Elective paper with 4 credits.

In 3rd semester, there shall be 3 hardcore theory papers of 4 credits in each paper and 1 hardcore paper of 2 credits and 3 practicals each of 2 credits & one Open Elective paper with 4 credits.

In the 4th semester, there shall be 3 hardcore theory papers of 4 credits in each paper and 1 hardcore paper of 2 credits and 3 practicals each of 2 credits & one Project with 4 credits.

Syllabus for Each paper of 4 Credits shall have four Units of 16 h each & Each paper of 2 Credits shall have two Units of 16 h each.

Project work of 4th semester shall be allocated during the 3rd semester itself so that it can be planned well in advance for effective execution under the supervision of Internal and/or External Guide. The Project team shall not exceed *Three* students for a given Topic of study.

5.0 Scheme of Evaluation:

5.1 There shall be an examination at the end of each Semester.

5.2 The duration of Examination of Theory paper carrying 80 marks is 3 h & duration of Examination of Theory paper carrying 40 marks is 2 h. Duration of Exam for Practicals (Lab) is 4 h and number of students per batch should not exceed 15.

The IA marks of Theory papers are based on average of two IA Tests per Paper per semester as well as Attendance, Seminar and Assignments (if any). The weightage of marks for these components may be distributed accordingly.

The IA marks of Practical paper are based on one IA Tests per Paper per semester.

At least one seminar per Year should be assigned for each student as per the convenience.

5.3 The Theory and Practical Examinations of all the semesters shall be evaluated through single / double valuation by an Internal / External examiner as per the guidelines of RCU.

5.4 **Project:** The project report shall be evaluated for 80 marks by one Internal and one External examiner based on the *Dissertation & Oral presentation*.

IA marks of 20 allocated for Project work must be earned from *Industrial visit/ Technical / Study tour* of minimum 2 days to be undertaken during the 2nd Yr M.Sc. course. Such a visit/ tour (within India) must be endorsed by the Chairman, Dept. of Chemistry (Principal of Affiliated College). The financial support (partial/full) to the enrolled students and Faculty members accompanying the team may be reimbursed by the University/ Affiliated College, as per the norms.

In case the student cannot undertake *Industrial visit/ Technical / Study tour* due to health issues or unavoidable circumstances, IA marks shall be based on the presentation of the work in a seminar.



B.L.D.E.ASSOCIATION'S

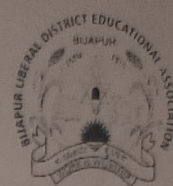
S. B. ARTS AND K. C. P. SCIENCE COLLEGE,

SHRI B. M. PATIL ROAD (Solapur Road), VIJAYAPUR

ACCREDITED at 'B++' Grade with 2.99 CGPA in 4th Cycle by NAAC

Phone: (08352) - 261766, (08352) 262770 Extn. 2223, 2224

Fax: 08352 -261766 E-mail: bldeasbkcp@gmail.com Web: www.bldeasbkcp.ac.in



BLDE Association

Ref. No.: 458/2023-24

Date: 22/08/2023

4/9/23

To,
The General Secretary,
BLDE Association,
Vijayapur.

Subject: Regarding permission to visit NIPER-HYDERABAD.

Respected Sir/Madam

With reference to the subjected cited above, **The Post Graduate Department of Chemistry** is planning to visit NIPER, Research Institute along with M. Sc. Final year students (18) and faculty (04) on **7th Sep. 2023** as a part of our M. Sc. Syllabus and as we have MoU with NIPER (attached the copy). Hence, I request you to give the permission to visit the NIPER and do the needful as the earliest.

Thanking You

[Signature]
4/9/23

Principal,

S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
4/9/23



B.L.D.E.ASSOCIATION'S

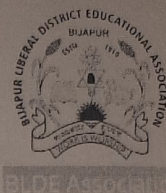
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Ref. No.: 420/2023-24

Date: 22/08/2023

To,
The Director
NIPER
Hyderabad

Subject: Regarding permission to visit NIPER

Respected Sir/Madam

With reference to the subjected cited above, **The Post Graduate Department of Chemistry** is planning to visit your Research Institute along with M. Sc. Final year students and faculty on **7th Sep. 2023** as a part of our M. Sc. Syllabus and as we have MoU with your Institute (attached the copy). Hence, I request you to give the permission to visit your Research Institute and do the needful as the earliest.

Thanking You

[Signature]
23/8/23
Principal

Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

Regarding Permission to visit NIPER as a part of MOU

Wed, Aug 30, 2023 at 2:20 PM

Amit Asthana <amit.asthana@niperhyd.ac.in>

To: pgchemistrykcp@gmail.com

Cc: Director NIPER Hyderabad <director.niperhyd@gov.in>, Secretary to Director <secretary-director@niperhyd.ac.in>

Dear Sir,

As mentioned in the previous email from the Director, NIPER, Hyderabad, I will be coordinating th the visit of your team from the Department of Chemistry of BLDEA University. Please treat the email of the Director, NIPER, Hyderabad as permission and send me the contact details of the co-ordinator from your side.

Best Regards

Amit

Dr. Amit Asthana, FTASc

Associate Professor and Head, Department of Medical Devices,
In charge (Research) and Co-chair-Board of Studies and Research
National Institute of Pharmaceutical Education And Research (NIPER),
Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers,
Govt. of India, NH 9, Kukatpally Industrial Estate,

Balanagar, Hyderabad, Telangana 500037 India

Mobile: +91 9666244410

Email: amit.asthana@niperhyd.ac.in; amitasthana4@gmail.com

Website: <http://www.niperhyd.ac.in/ProfileAsthana.html>

From: "Director NIPER Hyderabad" <director.niperhyd@gov.in>

To: "Amit Asthana" <amit.asthana@niperhyd.ac.in>

Sent: Wednesday, August 30, 2023 11:37:00 AM

Subject: Fwd: Regarding Permission to visit NIPER as a part of MOU

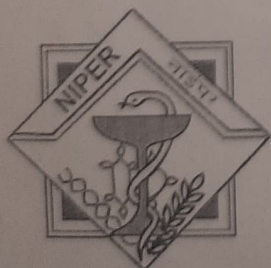
From: pgchemistrykcp@gmail.com

To: "Director NIPER Hyderabad" <director.niperhyd@gov.in>

Sent: Wednesday, August 30, 2023 11:25:26 AM

Subject: Re: Regarding Permission to visit NIPER as a part of MOU

[Quoted text hidden]



Hyderabad

डॉ. शैलेंद्र सराफ
निदेशकDr. Shailendra Saraf
DirectorPrincipal,
S.B. Arts and KCP Science College
VIJAYAPUR



B.L.D.E.ASSOCIATION'S

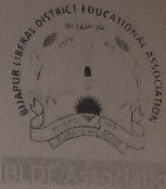
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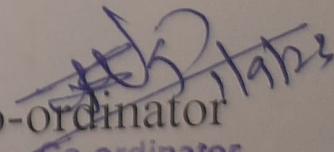
Fax: 08352 –261766 E-mail: bldeasbkcp@gmail.com Web: www.bldeasbkcp.ac.in



Date: 01/09/2023

Notice

It is informed to all the M.Sc. 4th semester students that, we are planning to visit **The National Institute of Pharmaceutical Education and Research, Hyderabad (NIPER Hyderabad)** as a part of study tour under MOU activity on 07/09/2023. All the students enroll your name on or before 04/09/2023 along with under taken letter.

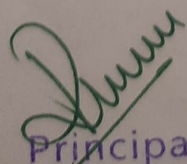

Co-ordinator

Co-ordinator

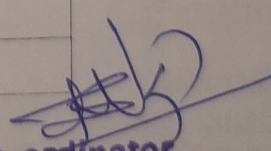
P.G.Department of Chemistry
S B Arts & K.C.P. Science College,
Vijayapur-586101.

BLDEAsoiciations
S.B Arts and K.C.P Science College – Vijayapur
P. G. Department of Chemistry
M.Sc. IV Semester,
Studentand Faculty List

Sl. No	Name of the student
1	Apoorva Mirajkar
2	Ashwini Sarawad
3	Bhagyashree Yadawad
4	Chaitra Aloor
5	Daneshwari A Jagadale
6	Divya R. Sidaraddi
7	Faisheen Jahagiradar
8	Laxmi Saravade
9	Navya Keerthi
10	Prathiba Chougale
11	Pruthvik B Pujari
12	Rachana Samalad
13	Rinku Patel
14	Shankar P Kumbhar
15	Shasankumar Dixit
16	Soumya Babaleshwar
17	Soumya Kollappanavar
18	Sourabh M Kambale
19	Suresh Biradar
Sl. No	Name of the Faculty
1.	Dr. S. N. Unki
2.	Dr. AMit Tearadale
3.	Dr. Manjunatha H.M.
4.	S. I. Sakri


Principal,

S.B. Arts and KCP Science College
VIJAYAPUR


Co-ordinator
P.G.Department of Chemistry
S.B.Arts & K.C.P. Science College,
Vijayapur-586101.

BLDEAs
S B Arts and K C P Science College, Vijayapur
PG DEPARTMENT OF CHEMISTRY
UNDERTAKING

Mr. /Ms.

Apurva L. Merajkar

S/o / D/o

L. Y. Merajkar

R/A: House no. B-60

Darga fall road Vijayapur

Mobile No: 9591863448 Course M.Sc

Semester IV Roll No P5KMA150001 Year Second do hereby undertake the following

instructions : 1. That I am a regular student of this college and on the rolls of the Department. 2. That I hereby declare that on my own will & wish and without any force or influence, I am accompanying the Education Tour. 3. That I will be travelling and undertaking the Educational Tour at my own risk & responsibility and in case of any accident / mishap I will not hold the college is responsible for the consequences. 4. That I have sought permission of my parent / guardian for going on the said tour. 5. That while on tour I will fully cooperate with tour in charges and abide by instruction given by faculty.

Merajkar.

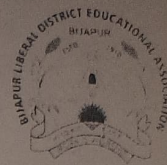
Signature of the Student

Divya

Signature of Parents / Guardians



B.L.D.E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE,
SHRI B. M. PATIL ROAD (Solapur Road), VIJAYAPUR
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Fax: 08352 –261766 E-mail: bldeasbkcp@gmail.com Web: www.bldeasbkcp.ac.in



PG DEPARTMENT OF CHEMISTRY

Study tour 2022-23

Tour Plan : Vijayapura to NIPER Hyderabad

Date: 04/09/2023

Day-01: 06/09/2023

Departure:

From KSRTC Bus stand, Vijayapur to YMCA Secundrabad (Timing : 8.30pm on 06/09/2023 to 7.00am on 07/09/2023)

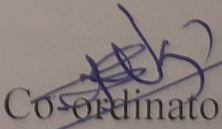
Day-02: 07/09/2023

Visiting NIPER, Hyderabad (Timing : 9am to 5pm)

Visiting Ramanujacharya statue (Timing : 5pm to 7pm)

Return

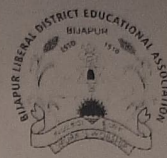
From Nampally Railway station, Hyderabad to Vijayapura (Date & Timing : 07/09/2023, 9pm to 08/09/2023, 8.30am)


Co-ordinator

Co-ordinator
P.G. Department of Chemistry
S.B.Arts & K.C.P. Science College,
Vijayapur-586101.



B.L.D.E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE,
SHRI B. M. PATIL ROAD (Solapur Road), VIJAYAPUR
ACCREDITED at 'B++' Grade with 2.99 CGPA in 4th Cycle by NAAC
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PG DEPARTMENT OF CHEMISTRY

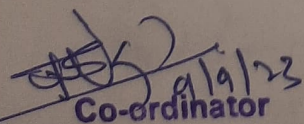
Report on Study Tour (NIPER Hyderabad)

Date: 09/09/2023

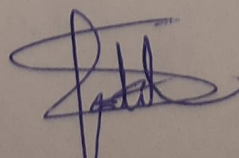
The National Institute of Pharmaceutical Education and Research, Hyderabad (NIPER Hyderabad) is an Indian public pharmaceutical research university. It is one of the seven schools under India's Ministry of Chemicals and Fertilizers. The institute offers Masters and Doctoral degrees in pharmaceutical sciences. As an Institute of National Importance, it plays a major role in human resource development for the Indian pharmaceutical industry.

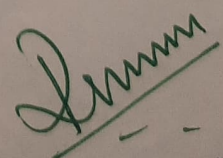
As a part of the M.Sc. syllabus, we visited (18 students and 4 faculty, total 22) NIPER Hyderabad on 07/09/2023. We started our journey at 8.30pm on 06/09/2023 from KSRTC Bus stand in Vijayapur. We reached YMCA Secundrabad at 7.00am on 07/09/2023 where we had breakfast and we had to leave YMCA for NIPER at 9am and arrive at 10am. Students visited four Processing Units and two instrument labs. The first two labs had Processing Units where they gave information about drug synthesis and the basics of its composition and reducing applications, and research scholars of each of its labs explained about instruments like rotary evaporator, comb flash, and different types of instruments that are used for reducing pressure and vacuum distillation. Students visit two other processing labs. In these labs, research scholars of that lab explain about HPLC instruments and various working processes, which include sample preparation, designing unit, liquid chromatography etc. Later, students visited two instrument labs. The first one was the NMR (¹H NMR, and ¹³C NMR) instrument and the processing lab second one was Mass spectroscopy, which included ICPMS (Metal Impurity), LCMS (Non-volatile), GCMS (Volatile) and qualitative analysis. We completed our visit at 3pm and in the remaining time we went to watch the Ramanujacharya statue and then reached Vijayapur at 8.30am on 08/09/2023 by train from Nampally railway station, Hyderabad.

Overall students got good knowledge about drug synthesis, processing and various instruments like NMR, HPLC, GCMS and LCMS.


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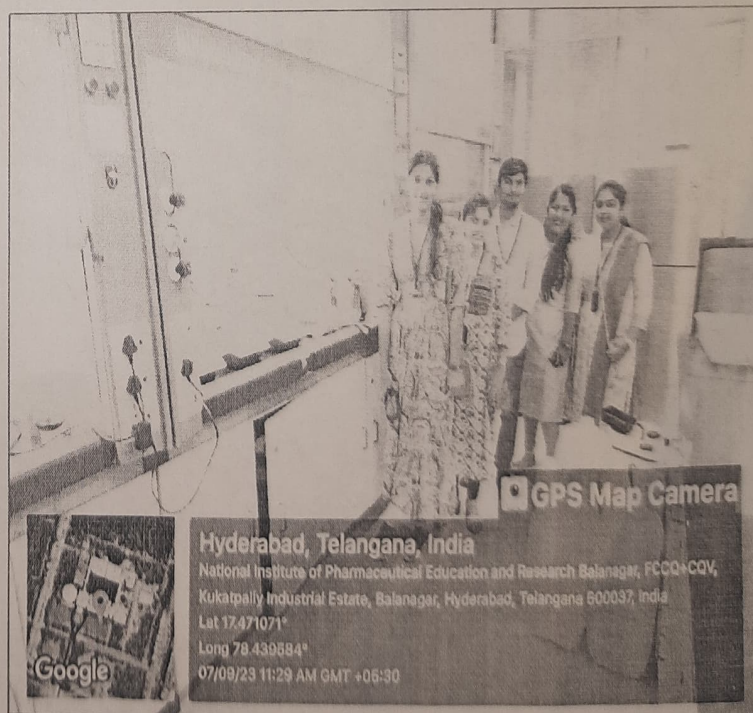
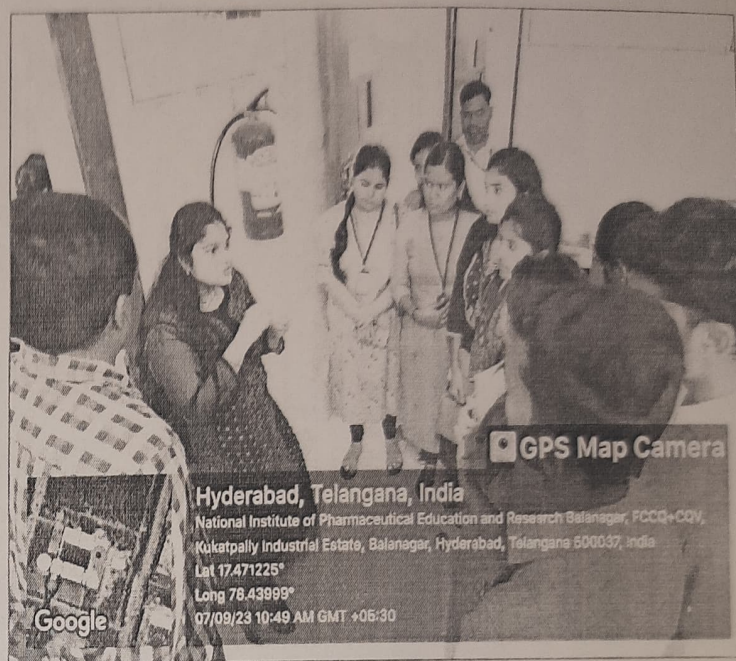

IQAC, Co-ordinator
S.B. Arts & K.C.P. Science College,
Vijayapur


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

PG DEPARTMENT OF CHEMISTRY

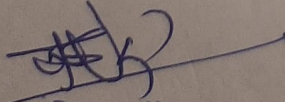
Study tour 2022-23

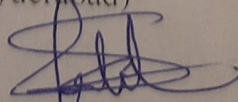
Date: 09/09/23

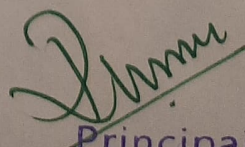


Study Tour : The National Institute of Pharmaceutical Education and Research, Hyderabad (NIPER

Hyderabad)


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