

Key Indicator 3.5- Collaboration

METRIC NO.:-3.5.1.

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

ACADEMIC YEAR 2017-18

S.N	Name of MOU/Linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Purpose of the MoU/Linkage (nternship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Page No.
1	Industry MOU	ZIM Laboratories Kalmeshwar	Internship, Project work	3 years	UG in-plant training from 1/6/18 - 25/8/18, 3/6/18 - 2/7/18, 17/5/19 - 16/6/19.20/5/19 - 20/6/19, PG project training in 2019	1-15
2	Academic MOU	Datta Meghe Institute of Medical Sciences, Wardha	Collaborative research	3 years and renewed in 2020-21	Collaborative research for HPTLC, Collaborative research and paper publication	16-23
3	Industry linkage	Vadivarhe Speciality Chemicals, Nashik	Industrial training	1 day	Field visit	24-27
4	Industry linkage	Unijules Life Sciences, Nagpur	Internship	1 month	UG in-plant training from 11/6/18 - 12/6/18	28
5	Industry linkage	Innova Pharmactive Pvt Ltd, Nagpur, Phone: 070280 27000	Internship	2 months	UG internship from 26/5/18 - 1/8/18	29-31

6	Industry linkage	Lesanto Laboratories Pvt. Ltd., Mumbai	Internship	1 month	UG Internship from 30/5/18 - 29/6/18	32-33
7	Industry linkage	Haffkine Biopharmaceutical Corporation Ltd., Mumbai	Internship	1 month	UG Internship from 25/5/18 - 25/6/18	34-36
8	Industry linkage	Relief laboratories Pvt Ltd., Nagpur	Internship	1 month	UG Internship from 18/5/18 - 17/6/18	37
9	Industry linkage	Watson Pharma Pvt., Ltd., Thane	Internship	1 month	UG Internship from 29/5/18 - 29/6/18	38-42
10	Industry linkage	Vama Pharma Pvt Ltd., Nagpur	Internship	1 month	UG Internship from 22/5/18 - 22/6/18	43
11	Industry linkage	Lupin laboratories Ltd, Aurangabad	Internship	1 month	UG Internship from 30/5/18 - 22/6/18	44

Sign of Principal

PROOFS OF 2017-18

*Priyadarshini J. I. College of Pharmacy, Nagpur, Maharashtra, India
Certified Document from page No.1 to 44*

MEMORANDUM OF UNDERSTANDING (MOU)

Between

**PRIYADARSHINI J. L. COLLEGE OF PHARMACY
NAGPUR**

And



For

**Facilitating collaborative research & development in the areas of new drug discovery, Formulation
Development, clinical studies and Industry academia interaction for teaching and research**

PREAMBLE

Priyadarshini J. L. College of Pharmacy— an educational institute undertakes research, clinical trial and education and training in health and allied sciences and extends such sciences to mankind and imparts education and training at **Priyadarshini J. L. College of Pharmacy** hereinafter referred to as institute which expression, unless it be repugnant to the context or meaning thereof, shall include its successors and assigns. The **Priyadarshini J. L. College of Pharmacy** has many National and international sponsored research projects.

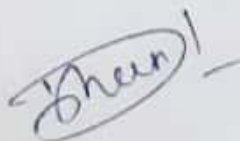
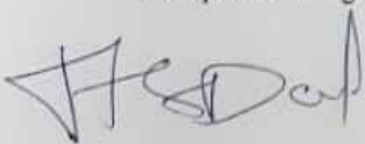
ZIM Laboratories Ltd. is a leading Pharmaceutical formulation Company in Central India. It has made a significant mark as a maverick pharma innovator especially in novel drug delivery segment. It is headquartered in the industrial belt of Nagpur City. ZIM is engaged in the activities of manufacturing, research, distribution and marketing of Pharmaceuticals formulations encompassing almost every solid dosage form including Tablets, Capsules, Dry Syrups, pellets, Powders etc. Zim is having its own DSIR (Govt. of India) recognized R & D centre. This is a WHO GMP certified company having state of art facilities for performing above stated activities. ZIM Laboratories Ltd. is represented by its Managing Director.

Zim Laboratories Ltd, Nagpur and **Priyadarshini J. L. College of Pharmacy, Nagpur** have arrived at a mutual understanding for cooperation and joint research in the areas of drug discovery and development and other areas as may be decided from time to time. This memorandum of understanding between the parties is to collaborate and conduct research on areas of mutual interest as may be agreed upon in separate agreements. This understanding also envisages,

- a) Faculty exchange programs between **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur** scientists for closer interactions.
- b) **Zim Laboratories Ltd, Nagpur** will sponsor collaborative research projects on specific areas of research to suitable candidates involved in the research. There shall also be periodical meetings of students and supervisors, subject to mutual consultation of both parties.
- c) The detailed modalities of the working of individual projects shall be arrived at after mutual discussion and documented separately as project specific agreement / contracts before taking up the project and it shall form a part of this MOU..

3. OBLIGATIONS OF THE PARTIES:

- 3.1 The results of this agreement and research data which are collected, compiled and evaluated under this Mou shall be shared and mutually exchanged by **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur**. Research findings as a result of this agreement will be published in the public interest. However, Zim Laboratories Ltd, Nagpur will hold editorial rights for the same, wherever need for protection of intellectual property generated through such work is indicated to safeguard mutual interests.
- 3.2 As a result of this agreement the instruments & equipments available at the respective facilities shall be shared mutually by **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur** for the purpose of execution of the collaborative projects.
- 3.3 Frequent and effective communication is essential to the successful accomplishment of the objectives of this agreement. To this end, the scientific representatives of **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur**, shall conduct periodical meetings (minimum half yearly) at the premises of **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur** by mutual consultation of both parties.
- 3.4 This agreement may be supplemented by work plans to be developed jointly, which describe more specifically the activities to be carried out under this cooperative programme and which sets forth the envisaged contribution of each part.
- 3.5 Any such plan or recommendation that is outside the scope of agreement shall be reduced to writing and referred to the management of each party for appropriate action.
- 3.6 Any such plan or recommendation so referred shall not be binding on either party unless incorporated into this agreement by amendment.
- 3.7 **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur** may nominate members of their respective staff to work out the practical details of cooperation between the two organisations and in general, to ensure proper and effective implementation of this agreement. Such details, as agreed upon, will be confirmed by exchange of letters between the parties and such letters should be signed and acknowledged by both the parties and shall form part of this agreement.



4. TERM

This agreement will be in effect initially for a period of 3 (three) years from the date of signing of this agreement by both the parties and may be renewed further if mutually agreed. Either party may terminate the agreement by written notification signed by the appropriate official of the institution initiating the notice. Such notice must be received by the other party 3 (three) months prior to the effective termination date.

Termination of this agreement shall not affect the obligation as stated under Clause-5 and Clause-7 of this agreement and the same shall be binding on the parties in perpetuity.

5. CONFIDENTIALITY

The parties recognize that, by virtue of this agreement, they may be given and have access to Confidential Information, and other proprietary information. They undertake not to divulge or communicate to any person (unless required by law or by any regulation or by any governmental authorities or with proper authority or for the purpose of executing this Agreement) or use or exploit for any purpose whatsoever, any of the Confidential Information they may receive or obtain as a result of entering into this Agreement, and shall use reasonable endeavours to prevent its officers, employees or agents if any from doing so. This obligation and restriction shall continue to apply without limit in point of time but shall cease to apply to information or knowledge, which may properly come into the public domain through no fault of the parties, or was already known.

6. INDEMNIFICATION

6.1 **Priyadarshini J. L. College of Pharmacy, Nagpur**, shall indemnify and hold **Zim Laboratories Ltd, Nagpur** harmless from liability or loss resulting from judgments or claims against them arising out of the negligent acts or omissions of **Priyadarshini J. L. College of Pharmacy, Nagpur**, its agents or employees pertaining to the activities to be carried out pursuant to the obligations of this agreement; provided however, that **Priyadarshini J. L. College of Pharmacy, Nagpur**, shall not hold **Zim Laboratories Ltd, Nagpur** harmless from claims arising out of the negligence or wilful malfeasance of **Zim Laboratories Ltd, Nagpur**, its officers, agents, or employees, or any person or entity not subject to **Priyadarshini J. L. College of Pharmacy's**, supervision or control.

6.2 **Zim Laboratories Ltd, Nagpur** shall indemnify and hold **Priyadarshini J. L. College of Pharmacy, Nagpur**, harmless from any liability or loss resulting from judgments or claims against them arising out of the activities to be carried out pursuant to the obligation of this agreement, including but not limited to the use by **Zim Laboratories Ltd, Nagpur** of the results of the study/research; provided

however, that the following is excluded from **Zim Laboratories Ltd, Nagpur's** obligation to indemnify and hold harmless;

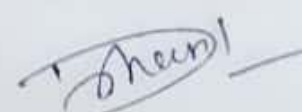
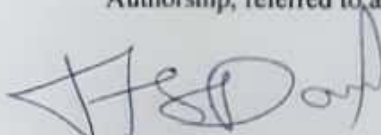
- 6.3 The negligent failure of either party, **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur**, to comply with any applicable governmental requirements or to adhere to the terms of the research.

7. INTELLECTUAL PROPERTY

- 7.1 "Invention" shall mean any discovery, concept, or idea, whether or not patentable, made during the conduct of the study/research, and arising directly from the performance of the study/research, including but not limited to processes, methods, software, tangible research products, formulas and techniques, improvements thereto, and know-how related thereto.
- 7.2 Information and disclosures made hereunder are confidential information and the parties shall protect the information accordingly.
- 7.3 It is recognized and understood that the existing inventions and technologies of **Zim Laboratories Ltd, Nagpur** and **Priyadarshini J. L. College of Pharmacy, Nagpur**, are their separate property, respectively and are not affected by this agreement and neither party shall have any claims to or rights in such existing inventions and technologies of the other party.
- 7.4 It is agreed by both the parties that any intellectual property invented during the project, Zim will take responsibility regarding filing, and processing of collaborative intellectual property, and the intellectual property shall be assigned to Zim on non exclusive basis and those who are involved in the creation of the intellectual property will be the co inventors in the said intellectual property.

8 Invention Disclosure

- 8.1 **Disclosure:** That **Priyadarshini J. L. College of Pharmacy, Nagpur** shall disclose promptly to Zim Laboratories Ltd each Invention, whether or not reduced to practice, which is conceived or learned during the course of the project (either alone or jointly with others) Further it is agreed by **Priyadarshini J. L. College of Pharmacy, Nagpur** that all patent applications shall be filed by Zim Laboratories Ltd during the term of the project.
- 8.2 That **Priyadarshini J. L. College of Pharmacy, Nagpur** agrees that they will not incorporate, or permit to be incorporated, any Excluded Inventions, Improvements, and Original Works of Authorship, referred to as "Prior inventions" owned by them or in which they has an interest, into a



ZIM's product, process without ZIM'S prior written consent, the ZIM is hereby deemed to have been granted and shall have a nonexclusive, royalty free, irrevocable, perpetual, worldwide license to make, have made, modify, use and sell such "Prior invention", and Original Works of Authorship as part of or in connection with such product, process.

- 8.3 **COMPANY Property Assignment: Priyadarshini J. L. College of Pharmacy, Nagpur** acknowledges and agrees that all Inventions made, written, discussed, developed, secured, obtained or learned during the term of the relationship shall be the sole property of ZIM, including without limitation all domestic and foreign patent rights, rights of registration or other protection under the copyright laws, or other rights, pertaining to the Inventions. **Priyadarshini J. L. College of Pharmacy, Nagpur** further agrees that all services, products and Inventions that directly or indirectly result from engagement with company shall be deemed to have arisen out of the course of the project/research for which this MOU is executed and accordingly all rights associated therewith shall vest in ZIM

9. RELATIONSHIP OF PARTIES

- 3.8 **Zim Laboratories Ltd, Nagpur and Priyadarshini J. L. College of Pharmacy, Nagpur**, shall act in their independent capacities in the performance of their respective functions under this Agreement and no party is to be considered the officer, agent, or employee of another party.

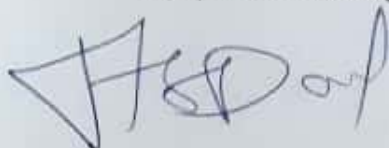
10. GOVERNING LAW

This agreement shall be governed and construed in accordance with the laws of India and jurisdiction limited to courts at Nagpur, India.

11. ARBITRATION

Any disputes or disagreement, arising out of, relating to or in connection with the terms and conditions of this agreement whether during the subsistence of this agreement or after its termination, shall be amicably settled between the parties hereto by mutual discussions.

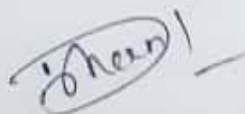
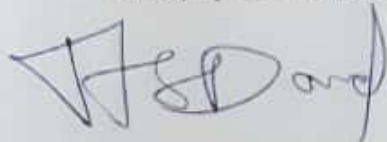
If any question of dispute shall at any time during the Term or thereafter arise between the Parties with respect to the validity, interpretation, implementation or alleged material breach of any provision of this memorandum or the rights or obligations of the Parties hereunder, or regarding any question including the question as to whether the termination of this memorandum by either



Party has been legitimate, then the Parties shall attempt to settle such dispute amicably between them by referring the matter to senior management of both Parties. In the event that such dispute has not been amicably settled within sixty (60) days, then such a question or dispute shall be referred to the arbitration in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 to be conducted by a sole arbitrator to be appointed jointly by the Parties. In the event of the parties not being able to concur on the appointment of a sole arbitrator then such sole arbitrator to be appointed as per the provisions of the Indian Arbitration and Conciliation Act, 1996. The award of the arbitrator shall be final and binding on the Parties. The place of arbitration shall be Nagpur and the language to be used in the arbitral proceedings shall be English. The arbitrator's fee shall be borne equally by the parties. All other costs and expenses of the arbitration shall be borne by the Parties as the arbitrator may award. This Agreement shall be interpreted and governed in all respects by the laws of India and the courts of Nagpur alone and no other courts shall be entitled to entertain and try any dispute or matter relating to or arising out of this MOU.

11. PUBLICATIONS

- 11.1 The parties reserve the right to publish or otherwise make public the data resulting from the study. The party wishing to publish or make public shall submit any such manuscript or release to the other party for comment prior to publication or release.
- 11.2 Neither **Priyadarshini J. L. College of Pharmacy, Nagpur** nor **Zim Laboratories Ltd, Nagpur** shall use the name of the other party or any of its employees in connection with any press release, advertising, promotional literature, or any other publicity matters without the express prior written consent of the other.
- 11.3 Except as otherwise required by law or regulation, neither party shall release or distribute any materials or information containing the name of the other party or any of its employees without prior written approval by an authorized representative of the non-releasing party, but such approval shall not be unreasonably withheld.
- 11.4 Both the parties undertakes that it shall keep strictly secret and confidential and shall not disclose, divulge or reveal during the continuance of this MOU or at any time thereafter the information or other information disclosed, communicated or given by either of parties to other party relating to the project, whether disclosed or communicated to either of them under this MOU or gained



or otherwise acquired by them under or by virtue of or as a result of the implementation of this MOU, to any person, firm, body corporate or authority and shall ensure that the same shall be kept strictly secret and confidential provided, however, that nothing contained in this article shall prevent either of parties from disclosing or imparting the same to the Director and its other senior officers or employees but only in so far as may be necessary for the satisfactory and proper performance and discharge of their duties and responsibilities hereunder : provided further that the Director and Officers or Employees shall prior to such disclosure have given a written undertaking to respective parties in terms previously approved by both the parties, not to disclose or divulge the information or any documents or other information relating to the manufacture, sale or distribution of the said Products to any person, firm, body corporate or authority.

12. NOTICES

All notices required to be given under this agreement and all correspondence with regard to any such notice hereunder shall be in writing and delivered in person, sent by certified mail or telefax transmission to the individuals named.

13. AMENDMENT

This agreement may be amended and renewed by the mutual written consent of the parties hereto.

14. SEVERABILITY

The invalidity or unenforceability of any term or provision of this agreement shall not affect the validity or enforceability of any other term or provision hereof.

15. ASSIGNMENT

3.9 Neither this agreement nor the rights or obligations hereunder shall be assignable or otherwise transferred or subcontracted by **Priyadarshini J. L. College of Pharmacy, Nagpur**, or **Zim Laboratories Ltd, Nagpur** without the other's prior written consent. Any attempted assignment will be void.

16. FORCE MAJEURE

- (a) Neither of the Parties shall be held liable for non performance or delayed performance of the obligations under this Agreement or part thereof due to any direct or indirect cause, which is outside the reasonable control of either Party, such as an Act of God, Government orders or restrictions, threat of war, warlike conditions, hostilities, mobilization, blockade, embargo, revolution, riot, looting, strike, lockout, epidemic, or fire provided that notice of its inability to perform and causes thereof shall be given immediately by the affected Party to the other Party.
- (b) A Party may claim exemption from the timely performance of obligations due to the occurrence of Force Majeure as defined above. In order to claim such exemption and thus be excused from timely performance of obligations, notice must be given promptly to the other Party and at the earliest possible date of event of occurrence of Force Majeure.
- (c) A Party claiming relief by reason of such circumstances of Force Majeure must take all reasonable steps to mitigate their length and effect. Promptly after the termination of the circumstances of Force Majeure, the Party claiming relief shall forthwith notify the other Party in writing.

17. COUNTERPARTS

This agreement may be executed in counterparts and those counterparts taken together constitute one and the same instrument.

In witness whereof, the parties here to cause this instrument to be executed on this 31st day of January 2017.

[Handwritten signature]

[Handwritten signature]

Signed for and on behalf of

ZIM LABORATORIES LTD, NAGPUR



Name: Mr. Anwar S. Daud

Designation: Managing Director

Witness

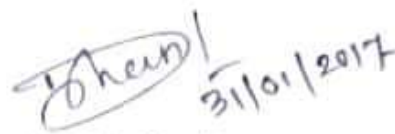


Dr. Sunil Gupta

R&D Manager

Signed for and on behalf of

**Priyadarshini J. L. College of
Pharmacy, Nagpur**



Name: Dr. D. R. Chaple

Designation: Principal



Mrs. Gouri Dixit

Associate Professor



Zeal & Innovation in Medicine

Ref. No. ZLL/HR/2019-20/233

Date: 02/07/2019

To
Ms. Kiran Belsare
Priyadarshini J.L. College of Pharmacy
Nagpur

Sub: Approval for M.Pharm Project Work.

Dear Kiran,

With reference to your college application received on dated: 29/06/2019 this is to inform you that management has accepted your application & we hereby permit you to carry out your research project in our organization as partial fulfillment of the Master of Pharmacy course.

For Zim Laboratories Ltd.


Riaz A. Kamal
(Director Administration)



ZIM LABORATORIES LIMITED

www.zimlab.in | info@zimlab.in | CIN: L1999MH1994PLC032171

Work: B-21, 22, MIDC Area, Kalmeshwar - 441501 Dist. Nagpur,
Maharashtra, India ☎ +91 7118271370 | Fax: +91 7118271470

Regd. office: Secondy Gyan, (Ground Floor), Opp. NADT, Nelson Square,
Nagpur - 440013 Maharashtra, India ☎ +91 7132588070



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA
PRIYADARSHINI J.L. COLLEGE OF PHARMACY

(Formerly known as) J. L. Chatterjee College of Pharmacy

Electronics Tower Building, WPC, Dnyanesh Road, Nagpur - 440 016 (India)

Tel. & Fax No. : +91-734-242399, 244811

E-mail : principal@priyadashini.ac.in, principal.priyadashini.ac.in Website : www.priyadashini.ac.in



ACCREDITED WITH GRADE B++ BY NAAC

Ref. No. : P.L.C.P / 2019-20 / 5820

Date : 29/06/2019

To,
HR Manager
Zim Laboratories Ltd.,
Kalmeshwar
Nagpur

Sub. : Regarding project work


Dear Sir / Madam,

Ms. Kiran Dashrath Belsare is a bonafide student of our college studying in M. Pharm III Sem in academic session 2019-20. She wishes to complete her M.Pharm. project work in your company for a duration of six months. The institute permits her to pursue her project work in your company.


Hoping for your grand co-operation.

Thanking You,

Yours faithfully,


(Dr. Mrs. S.S. Bakhle)
Research Guide

Associate Prof. / Asst. Prof.
Priyadarshini J. L. College of
Pharmacy, Nagpur.


(Dr. D. R. Chapple)
Principal
PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur.

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

Lokmanya Tilak Bhawan, Local Nagpur, Nagpur - 440022 Maharashtra, INDIA. Tel. : +91-732-229865, 2345121. Fax No. : +91-732-222109. Website : www.jlps.ac.in

Ref. No. ZLL/HR/2019-2048

Date: 17/06/2019

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

Ms. Vaibhavi Jaunjalkar, B. Pharm student of Priyadarshini J. L. College of Pharmacy, Nagpur has undergone in-plant training at our factory from 17/05/2019 to 16/06/2019. She was trained in different department such as Tablet, Capsule, and Quality Control etc.

During her training period she made herself conversant with various machine and processes employed in the manufacture of our pharmaceutical specialties. She also made herself aware of controls and responsibilities of pharmaceutical production and test.

She took keen interest in the training imparted. She was punctual and hard worker. We find her keen, analytical & disciplined.

With Regards,
For Zim Laboratories Ltd.

Riaz A. Kamal
(Director Administration)



ZIM LABORATORIES LIMITED

www.zimlab.in | info@zimlab.in | CIN: L99999MH1984PLC032172

Plot No. 21, 22 MIDC Area, Kalmeshwar - 441501 Dist. Nagpur,
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Nagpur - 440013 Maharashtra, India. ☎ +91 712 2589070



Innovation in Medicine

Ref. No. ZLL/HR/2019-20/164

Date: 17/06/2019

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

Mr. Pravin Dharage, B. Pharm student of Priyadarshini J. L. College of Pharmacy, Nagpur has undergone in-plant training at our factory from 17/05/2019 to 16/06/2019. He was trained in different department such as Tablet, Capsule, and Quality Control etc.

During his training period he made himself conversant with various machine and processes employed in the manufacture of our pharmaceutical specialties. He also made himself aware of controls and responsibilities of pharmaceutical production and test.

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For Zim Laboratories Limited

Riaz A. Kamal
(Director Administration)



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21, 22, MIDC Area, Kalmeshwar - 441501 Dist. Nagpur,
Maha. India ☎ +91.7118.271370 | Fax: +91.7118.271470

Regd. office: Sadoday Gyan, (Ground Floor), Opp. NADT, Nelson Square,
Nagpur -440013. Maharashtra, India ☎ +91.712.2588070

Ref. No. ZLL/HR/2018-19/167

Date: 29/06/2018

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

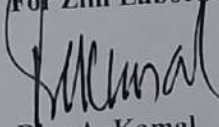
Mr. Harsh Chauhan, B.Pharm student of Priyadarshini J. L. College of Pharmacy, Nagpur has undergone in-plant training at our factory from 26/05/2018 to 25/06/2018. He was trained in different department such as Tablet, Capsule, and Quality Control etc.

During his training period he made himself conversant with various machine and processes employed in the manufacture of our pharmaceutical specialties. He also made himself aware of controls and responsibilities of pharmaceutical production and test.

He took keen interest in the training imparted. He was punctual and hard worker. We find him keen, analytical & disciplined.

With Regards,

For Zim Laboratories Limited


Riaz A. Kamal
(Director Administration)



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Works: B-21/22, MIDC Area, Kalmeshwar - 441501 Dist. Nagpur,
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Regd. office: Sadoday Gyan, (Ground Floor), Opp. NADT, Nelson Square,
Nagpur -440013, Maharashtra, India ☎ +91.712.2588070



MEMORANDUM OF UNDERSTANDING



This memorandum of understanding is signed between:-

The Priyadarshini J. L. College of Pharmacy, located at Electronic Zone Building, MIDC, Hingna Road, Nagpur, established in 1997 affiliated to RTM Nagpur University, Nagpur

AND

Datta Meghe Institute of Medical Sciences (Deemed to be University), located at Sawangi Meghe, Wardha

This MOU has been signed with an objective to disseminate and advance knowledge by providing instructional, research and extension facilities in the field of Medical and Pharmaceutical Sciences as it may deem fit and it shall endeavor to provide students and teachers the necessary atmosphere and facilities for the promotion of:

- i. Innovations in education leading to restructuring of courses
- ii. Inter-disciplinary and multi-disciplinary research
- iii. Applied and advance knowledge of medical science to the field of Pharmacy

NOW, therefore the

The The Priyadarshini J. L. College of Pharmacy, Nagpur

Herein referred as "PJLCP"

AND

Datta Meghe Institute of Medical Sciences(DU), located at Sawangi Meghe, Wardha

Herein referred as "DMIMS(DU)"

Have intended, agreed and consented to the following terms and deeds in pursuance of a common intent to promote and develop the interdisciplinary research.

AND/OR

Make provisions for research and for the advancement and dissemination of knowledge


Registrar
DMIMS (DU)
Sawangi (M) Wardha


PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur

AND/OR

To organize and to undertake extra-mural studies and extension services

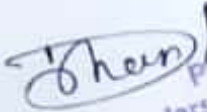
A. FIELD OF CO-OPERATION:-

1. Both, PJLCP and DMIMS(DU) shall evolve a mutually acceptable schedule to develop programs and exchange visits.
2. The said academic interaction and intellectual assimilation may include:-
 - i. Deputing PG students as a project trainee with/without stipend
 - ii. Collaborative interdisciplinary research
 - iii. Sharing of academic data, scientific information, intellectual property, articles and publications
 - iv. Providing assistance for the training and placements of UG & PG students

B. EXCHANGE OF STAFF/STUDENTS/TEACHERS:-

1. Reciprocal arrangements based on mutually acceptable terms shall be accomplished to give an impetus to collaborative research and joint projects either sponsored or non-sponsored
2. The DMIMS(DU) will provide the required raw inputs for the proposed research work to PJLCP to carry out the experimental works on the collaborative research.
3. Interdisciplinary projects can be operated by research coordinators of both DMIMS(DU) and PJLCP, after the signing of confidential agreement of the said project.
4. Students and faculty members of PJLCP and DMIMS(DU) can be deputed for short term training programs of one to two weeks and will receive a suitable certificate on completion of the training program.
5. Research coordinators of DMIMS(DU) and PJLCP with mutual consents, can apply for the funding for collaborative projects to various funding agencies as a principal investigator (PI) and co-PI
6. The output of collaborative research can be published/patented/commercialized with mutual consent mentioning names of research coordinators of both DMIMS(DU) and PJLCP
7. This intellectual property will belong to both DMIMS(DU) and PJLCP and same should not be utilized for any techno-commercial use by any party without prior written consent of the other counterpart.


Registrar
DMIMS (DU)
Sawangi (M) Wardha


PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur.

8. The students and faculty members from DMIMS(DU) and PJLCP will have freedom to use the existing facilities of both parties including instruments and other consumables.

9. DMIMS(DU) and PJLCP should authorize its research coordinator to take all decisions as deemed appropriate to make this MoU a success.

10. Both DMIMS(DU) and PJLCP, either through the students and / or their respective supervisors / research guides or in any manner will not disclose to a third party without proper authorization, any matter pertaining to the collaborative research work.

11. Teachers, researchers, guides, and students of both the organizations shall be encouraged to work in tandem in the laboratories, workshops, industrial facilities and departments of both the organizations.

C. MISCELLANEOUS:-

1. The details for the efficacious implementation of this MoU shall be jointly worked out on mutually acceptable terms within the parameters of the policies, rules and regulations of both the organizations.

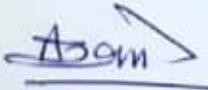
2. The parties to this memorandum may, by mutual consent, add modify, amend, delete, review or revise any tem(s) and condition(s) of this agreement.

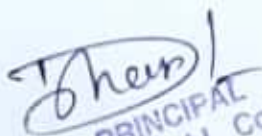
3. The MoU shall remain in force for a period of three years from the date of its signature and seal, and may be terminated by either side by giving a six months notice to that effect in writing. However, notwithstanding the notice of the intent to terminate the memorandum, all rights, obligations and corresponding duties and subsisting therein shall be respected and mandated till the finalization and accomplishment thereof.

E. The parties to this MoU undertake to treat as **CONFIDENTIAL AND PRIVILEGED** information of the other institution, which is so classified in advance.

The terms of confidentiality and mode of disclosure shall be as per mutually acceptable terms.

F. This MoU shall require the ratification of the competent academic/executive body of both the organizations.


Registrar
DMIMS (DU)
Sawangi (M) Wardha


PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur.

Signed at Nagpur 02nd May on 2018

For, Priyadarshini J. L. College of Pharmacy, Nagpur



Principal
Priyadarshini J.L. College of
Pharmacy, Nagpur.
Dr. D. R. Chaple
Principal
PJLCP,
Nagpur

Seal:



Date: 02/05/2019

For, Datta Meghe Institute of Medical Sciences(DU),
Sawangi Meghe, Wardha



Registrar
DMIMS(DU), Sawangi Meghe,
Wardha
Registrar
DMIMS (DU)
Sawangi (M) Wardha

Seal:

Date: 02/05/2019



Resveratrol: A Pleiotropic Phytoconstituent

Prashant N. Amale¹, Manish P. Deshmukh², Ashish B. Budhrani³, Shilpa A. Deshpande*¹

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²Department of Pharmacology, Jawarharlal Nehru Medical College, Datta Meghe College of Pharmacy, Datta Meghe Institute of Medical Sciences (DU), Wardha, Pin-442001, Maharashtra, India

³Department of Pharmaceutics, Datta Meghe College of Pharmacy, Datta Meghe Institute of Medical Sciences (DU), Wardha, Pin-442001, Maharashtra, India

Article History:

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Keywords:

Resveratrol,
Pleiotropic,
phytoconstituents,
pain,
inflammation

ABSTRACT

Resveratrol (RSV) is a plant polyphenol or phytoalexin phytoconstituents obtained from the grapes, berries, peanut, and wine. RSV is obtained from natural source and regarded as safe, effective, and hepatoprotective drug with no other serious organ toxicities are reported yet. This property of RSV makes it advantageous over the allopathic medicine having symptomatic cure and plethora of adverse effects. It's a cheap and widely available phytoconstituent approved in the global market in the active form as trans-resveratrol. It has multiple pharmacological actions including, analgesic, anti-inflammatory, anti-anxiety, anti-parkinsonian, anti-alzheimers, antioxidant, antidepressant, anti-cancer, anti-diabetic, anti-atherosclerotic effects. These effects are mediated via modulation of diverse underlying endogenous molecules like reactive oxygen species, nitric oxide, malonaldehyde, neutrophil, sirtulin, cyclo-oxygenase, inducible nitric oxide synthases, superoxide dismutase, catalase, glutathione s-transferase, alpha-secretase, metalloproteinases, C-reactive protein, dopamine, nor-adrenaline, serotonin, cytokines (interleukins), nuclear factor kappa, signal transducer activator of transcription, brain derived neural factor, neuropeptide, hypothalamo-pituitary axis, astroglia, mitochondrial dysfunction, glutamate, adrenergic, cholinergic, opioidergic, and purinergic receptors. Researchers are trying to explore its additional health benefits and preparing new analogues for better survival in the field. Present review will help to enlighten the multi-target pleiotropic pharmacological nature of a RSV in relation to the variety of the molecular targets modulation through extensive web science literature survey.



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INTRODUCTION

Resveratrol (RSV) is a polyphenol, abundantly found in grape (skin and seeds), berries, peanuts and wine. This compound has many properties, including activity against glycation, immune response, oxidative stress, inflammation, neurodegeneration, several types of cancer, and aging (Kataria and Khatkar, 2019). RSV is well tolerated phytoconstituent and believed to be a promising compound in preventing many diseases, like depression, diabetes, asthma and other complications (Chen



Evolutionary Role of Epigenetics in Ischemic Stroke: A Review

Rohini Agrawal¹, Prashant Amale¹, Shilpa Deshpande¹, Manish Deshmukh², Priti Bhojar¹, Kiran Gomkale¹, Uma Sunchuwar¹, Ashish Budhrani^{*3}

¹Department of Pharmacology, Priyadarshini J. L College of Pharmacy, Electronic Zone Building, Nagpur-440016, Maharashtra, India

²Department of Pharmacology, Datta Meghe College of Pharmacy, Datta Meghe Institute of Medical Sciences (DU), Wardha-442001, Maharashtra, India

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Article History:

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Revised on: 05 Oct 2020
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Keywords:

Epigenetics,
Ischemic stroke,
Excitotoxicity,
Stem cell,
REST

ABSTRACT

Stroke is a Central Nervous System (CNS) disorder which occurs due to the obstruction in the brain blood flow. Stroke is mainly of two types, such as ischemic and hemorrhagic stroke. Ischemic stroke (80%) caused due to obstruction of blood flow through Middle Cerebral Artery (MCA) and characterized by a decreased supply of oxygen and glucose to CNS. In comparison, Hemorrhagic stroke (20%) mainly occurs due to the rupturing of blood vessels. Epidemiologically, it is the common reason of death after cancer and affecting millions of global population. There are many risk factors such as hypertension; hypercholesterolemia etc. which can exaggerate the condition of stroke. Various conventional therapies like Antiplatelets, Thrombolytic are available, but, there is a need to obtain a therapeutic approach that can provide prevention as well as a cure for the stroke. So the present review is primarily focused on epigenetic approach for ischemic stroke by Endogenous Transplantation of Neural Stem/Progenitor Cells (NSPCs). This, in turn, will decrease the level of REST protein at the genetic level and enhance the activity of Na⁺-Ca⁺ exchanger activity and lowers the excitotoxicity.



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INTRODUCTION

Stroke is a debilitating neurological condition and defined as a sudden loss of functions of neurons including either loss of supply of glucose and oxy-

gen, i.e. Cerebral Blood Occlusion (Ischemic Stroke) Figure 1 or inter cerebral bleeding (Haemorrhagic Stroke) (Moretti *et al.*, 2015). It shows symptom like limb weakness, bilateral or unilateral immobility, and inability to speak and become a reason of death and disability worldwide. It generally involves 1 in every 18 deaths and requires long-term care due to their functional and cognitive disabilities. There is a marked decrease in the survival rates of the victims suffering from ischemic stroke (68%) as compared to Haemorrhagic stroke (28%) (Krishnamurthi *et al.*, 2013). This is due to the formation of thrombus in the cerebral arteries, which leads to the obstruction of blood flow through the cerebral blood vessels, which cause irreversible cell injury. The present article is aimed to introduce the evolutionary epigenetic perspective for the prevention and treatment of ischemic stroke by endogenous

DATTA MEGHE COLLEGE OF PHARMACY

Constituent unit of Datta Meghe Institute of Medical Sciences (Deemed to be University)
Conferred 'A' Grade Status by Ministry of HRD, Govt. of India
Re-accredited by NAAC (3rd Cycle) with 'A+' Grade

Office : Sawangi (Hirapur) 442002 Maharashtra (India)

e-mail : medical_wda@sanchamnet.in, principaldmcp@gmail.com Website : www.dmimsu.edu.in

Date: 28/07/2020

To,
The Principal,
J.L. Chaturvedi College of Pharmacy,
Hingna Road, Nagpur

Subject- Regarding permission for utilising the lyophiliser facility of your institute for research work

Respected Sir,

I would like to inform you that Mrs. Pooja Shaligram is pursuing PhD at Datta Meghe Institute of Medical Sciences (DU), in the faculty of Pharmaceutical Sciences. She is working on Platelet Rich Plasma (PRP) therapy for diabetic wound healing and need to lyophilise the PRP samples as a part of my research work.

I request you to please permit her to utilise the lyophiliser facility of your institute for research work. She will be bearing the charges for lyophilisation as per the policy of your institute. She will provide PRP sample (2-5 mL) for lyophilisation certified as free from any disease, pathogens and abnormalities.

Thanking You


Principal

Datta Meghe College of Pharmacy
Sawangi (M), Wardha

सर्वे सन्न निरा



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
PRIYADARSHINI J. L. COLLEGE OF PHARMACY

(Formerly called: J. L. Chaturvedi College of Pharmacy)
Electronics Zone Building, MIDC, Hingna Road, Nagpur-440016 (M.S.)
Tel & Fax No. +91-7104-242188, E-mail: pcps@rediffmail.com, Website: www.pcps.edu.net
(Approved By AICTE & DTE, New Delhi; Affiliated to P. T. M. Nagpur University Nagpur)
NAAC Accredited

Ref/PJLCP/2022/CoA

Date: 27/04/2022

To,
Ms. Pooja Shaligram
Research Scholar
Datta Meghe college of Pharmacy
Wardha Nagpur.

Subject: Bill and Report of sample for Lyophilization/ Freeze Drying.


Mam,

Here we are providing the Bill and report/result for the Lyophilization/Freeze Drying of 2 Sample (S1, S2) carried out in PJLCP Research Laboratory as per requested. The result is as follows-

Sr No	Specification/Evaluation/ Test	Sample Code
1	Lyophilization/ Freeze Drying 2 Sample 90ml (PRP Rabbit)	S1, S2
2	Instrument Specification	MAC Lyophilizer (Freeze Dryer) (Cat. No. : MSW-137) Serial No-2511 Macro Scientific Works® Private Limited 10A/UA, Jawahar Nagar, Delhi 7
3	Instrument Parameters and Conditions	Nutronics- Temperature : -35.0 °C (-34.8 °C) Vacuum Gauge: -987mm/Hg Gauge Time Duration: 10 hours (8 cycles)
4	Finished Sample	(S1) 1000-1500mg Approx., Brownish black (S2) 2000-2500mg Approx., reddish brown crystalline in nature in nature

The receipt of amount incurred for the above analysis of 2 sample for Lyophilization/ Freeze Drying was 1800=00 Nine Hundred rupees only. (Charge is One Thousand Rupees per sample, Research student concession 10% applied)

Thanking you.


Dr. V. D. Gulkari
Analyst


Dr. D. R. Chaple
Principal

PRINCIPAL
Priyadarshini J. L. College of
Pharmacy, Nagpur.

Associates Prof. / Asstt. Prof.
Priyadarshini J. L. College of
Pharmacy, Nagpur



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
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E-mail : jlccp_ngp@rediffmail.com, principal.jlccp@ljss.net Website : www.jlccp.ljss.net



Ref. No. : PJLCP/2018/5414

Date: 09/01/2018

To,
R. & D Manager
Vadivarhe Speciality Chemicals
Nashik

Subject: Regarding the Industrial Visit for the students of M. Pharm.

Sir,

'Priyadarshini J. L. College of Pharmacy', Nagpur is the forerunner Institute serving pharmacy profession in Central India, running Graduate, Post graduate courses and approved Ph. D. Centre. The Institute is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur; approved by AICTE, PCI New Delhi and DTE Maharashtra state. Institute has recognized your participation in Pharma market and anticipates your cooperation for providing professional platform to the candidates from our Institute as well as region. Institute is having magnificent infrastructure and equipped with all necessary facilities to update the knowledge of students and to make aware student with cutting edge technology. Our 17 young and enthusiastic pharmacist / Post Graduate students along with two faculty members are geared up to occupy their position in your esteemed Pharmaceutical Organization for the Industrial visit.

Kindly permit and allow us, so that we can plan Industrial visit on dated 19th Jan. 2018. We will be highly thankful for your support and for your positive response.

Thanking you,

S.S. Bakhle
Dr. Mrs. S.S. Bakhle
Teacher In-charge

S.S. Bakhle
Associates Prof. / Asstt. Prof.
Priyadarshini J. L. College of
Pharmacy, Nagpur.

M.P. Yeole
Dr. Mrs. M. P. Yeole
Teacher In-charge

M.P. Yeole
Associates Prof. / Asstt. Prof.
Priyadarshini J. L. College of
Pharmacy, Nagpur.

D.R. Chaple
Dr. D. R. Chaple
Principal
PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur.

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

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Ref. No. : PJLCP/ 2018/5441

Date: 22/01/2018

To,
Mr. Anirudha Mhaske
Manager HR & Administration
Vadivarhe Speciality Chemicals Ltd.,
Nashik

Sir,

Thank you very much for allowing our M.Pharm students along with faculty Dr. Mrs. S. S. Bakhle & Dr. Mrs. M. P. Yeole for the Industry visit to your plant on 19/01/2018. The visit has been very useful and informative for our students and the faculty. Hope to receive cooperation from your side in future.

Thanking you,

Yours Faithfully,

(Dr. D. R. Chaple)

PRINCIPAL
Priyadarshini J.L. College of
Pharmacy, Nagpur.

VSCL/HR/2016-17/PJLCP

19/01/2018

The Principal,
Priyadarshan J. L. College of Pharmacy,
Electronics Zone Building,
MIDC, Hingra Road,
Nagpur - 440016

Subject - Industrial Visit - Regarding

Dear Sir,

With reference to your letter no. PJLCP/2018/5414 dated 09/01/2018 your Dr. Mrs. S.S. Bakhle Teacher In-Charge and Dr. Mrs. M. P. Yeade Teacher In-Charge had an Industrial Visit of First Year and Second Year M. Pharm students as per the attached list on 19/01/2018 to our plant at Vadivarhe Speciality Chemicals Ltd, Gut No. 204, Nashik Mumbai Highway, Wadivarhe, Igatpur, Nashik 422 403.

Total Number of Students = 16

This is for your information please


Thanking you,

Sincerely yours,

for Vadivarhe Speciality Chemicals Ltd.



Anirudha Mharke
Manager HR and Administration



Vadivarhe Speciality Chemicals Ltd.

Corporate Office - A. K. Chaudhari, 24/F, T. Road, Fort, Mumbai - 400 001, Tel: 022-23372626 Fax: 022-26740371
Registered Office & Factory - Gut No. 204, Nashik - Mumbai Highway, VTC Phase, Vadivarhe,
Taluka - Igatpur, Dist. Nashik - 422403, Tel: 02513-282210 / 210
Email: sales@vscl.com Website: www.vscl.com
CIN:UJ28CM0000051C129515

INJECTABLE DIVISION

Works : D-82, Cross Road, 4-A, MIDC Area, Hingna, Nagpur-440 028 (MS), India
Ph. : 07104-234550, 232643, 237733 Telefax : 07104-236306
Email : admin.d82@unijules.com
Website : www.unijules.com, www.contrastmedia.in

Corporate office : B-35 & 36, MIDC Industrial Area, Kalmeshwar, Dist. Nagpur-441 501 (MS), India
Ph. : 07118-271010, 271008, 272522, 271073
Email : support@unijules.com

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TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Anup Kumar Mishra**, is a Third year B Pharm student from Priyadarshini J.L.College of Pharmacy Nagpur, has completed successfully his Industrial (in-Plant) training in our organization, from **11th June 2018** to **12th July 2018**.

During this training period, he attend the factory regularly during the working hour of the Company. He has undergone training in Quality Control Department and his performance was found to be satisfactory.

We wish him all the best.

For **UNIJULES LIFE SCIENCES LTD.**


Authorized Signatory

Dated :- 12/07/2018

Place :- Nagpur

Mumbai Office :

Manisha Plaza, Sonapur Lane, Kurla (w), Mumbai - 70. Ph. : 022 - 25035173



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Date: 01/08/2018

Ref: - IP/QAD/18/115

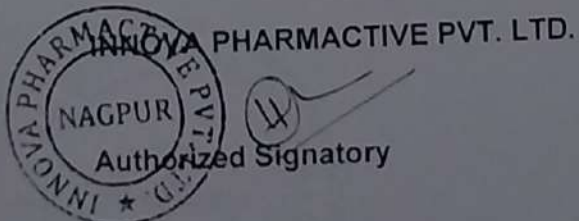
TRAINING CERTIFICATE

TO WHOM SO-EVER- IT MAY CONCERN

This is to certify that **Ms. Pranita Sheshrao Dhabale** Student of B. Pharm from **Priyadarshini J.L.College of Pharmacy, Nagpur** has undergone Two Month industrial trainings at our manufacturing unit from dated 01/06/2018 to 01/08/2018.

During the period of training candidate has exposed to important aspects of Active Pharmaceuticals manufacturing and analytical techniques involved in quality control. During the period of training we found her performance satisfactory.

We wish all the best for their future career.





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Email:- innovalab@satvam.net.in

Ref: - IP/QAD/18/117

Date: 01/08/2018

TRAINING CERTIFICATE


TO WHOM SO-EVER- IT MAY CONCERN

This is to certify that **Ms. Monu Y. Hedao** Student of B. Pharm from **Priyadarshini J.L.College of Pharmacy, Nagpur** has undergone Two Month industrial trainings at our manufacturing unit from dated 01/06/2018 to 01/08/2018.

During the period of training candidate has exposed to important aspects of Active Pharmaceuticals manufacturing and analytical techniques involved in quality control. During the period of training we found her performance satisfactory.

We wish all the best for their future career.

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Website - www.innovalaboratories.com

Tel: - 2641444
Fax: - 2649427
Email:- innovalab@satvam.net.in

Ref: - IP/QAD/18/116

Date: 01/08/2018

TRAINING CERTIFICATE

TO WHOM SO-EVER- IT MAY CONCERN

This is to certify that **Ms. Laxmi M. Rahangdale** Student of B. Pharm from **Priyadarshini J.L.College of Pharmacy, Nagpur** has undergone Two Month industrial trainings at our manufacturing unit from dated 01/06/2018 to 01/08/2018.

During the period of training candidate has exposed to important aspects of Active Pharmaceuticals manufacturing and analytical techniques involved in quality control. During the period of training we found her performance satisfactory.

We wish all the best for their future career.

 **INNOVA PHARMACTIVE PVT. LTD.**
NAGPUR
Authorized Signatory


Date: 30.06.2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **MR.AMAN TIWARI** , a Student of Priyadarshini J. L. College of Pharmacy (Degree), Nagpur has undergone in-plant training of 4 weeks i.e. from 30th May 2018 to 29th June 2018 in our organization. During the training period he has received training in Tablets, Capsules, Liquid Orals, Ointment/Cream, Quality Control, Quality Assurance and Utility Departments.

He has also acquired knowledge about machineries in the above mentioned areas.

He has shown keen interest during in-plant training and has been sincere in his work.

For Lesanto Laboratories,



(Mr. Hemant Patil)

Manager Account & Administration

Date: 30.06.2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **MR.SARAS TIWARI**, a Student of Priyadarshini J. L. College of Pharmacy (Degree), Nagpur has undergone in-plant training of 4 weeks i.e. from 30th May 2018 to 29th June 2018 in our organization. During the training period he has received training in Tablets, Capsules, Liquid Orals, Ointment/Cream, Quality Control, Quality Assurance and Utility Departments.

He has also acquired knowledge about machineries in the above mentioned areas.

He has shown keen interest during in-plant training and has been sincere in his work.

For Lesanto Laboratories,



[Handwritten Signature]
30/06/2018

hemant Patil
Manager Account & Administration



Haffkine Bio-Pharmaceutical Corporation Ltd.

(A Govt. Of Maharashtra undertaking)
PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

Regd Office : Acharya Donde Marg, Parel, Mumbai - 400 012. (INDIA)

Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

No.ATS/297

Date: 25/06/2018

CERTIFICATE

This is to certify that **Mr. CHETAN DHANPAL BORKAR** student of Third year B. Pharmacy, **PRIYADARSHINI J. L. COLLEGE OF PHARMACY, NAGPUR**, has successfully completed his ONE Month Industrial Training from 25 May 2018 to 25 Jun 2018 at **Haffkine Bio-Pharmaceutical Corporation Ltd., Pimpri, Pune-411018.**

He was found punctual during training. We hope that this in-plant training will benefit him in understanding the industrial need and operation for him future career. We wish him best of luck for future endeavors.




Manager

HaffkineBio-Pharmaceutical Corporation Ltd.



Haffkine Bio-Pharmaceutical Corporation Ltd.

(A Govt. Of Maharashtra undertaking)
PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

Regd Office : Acharya Dande Marg, Parel, Mumbai - 400 012. (INDIA)

Phones : 24129320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

No.ATS/298

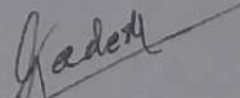
Date: 25/06/2018

CERTIFICATE

This is to certify that **Mr. PARAG VIJAY FULBANDHE** student of Third year B. Pharmacy, **PRIYADARSHINI J. L. COLLEGE OF PHARMACY, NAGPUR**, has successfully completed his ONE Month Industrial Training from 25 May 2018 to 25 Jun. 2018 at **Haffkine Bio-Pharmaceutical Corporation Ltd. Pimpri, Pune-411018.**

He was found punctual during training. We hope that this in-plant training will benefit him in understanding the industrial need and operation for him future career. We wish him best of luck for future endeavors.




Manager

Haffkine Bio-Pharmaceutical Corporation Ltd.



Haffkine Bio-Pharmaceutical Corporation Ltd.

(A Govt. Of Maharashtra undertaking)
PIMPRI, PUNE - 411 018. PHONE (020) 27422206, 27421945, FAX : (020) 27420209

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Phones : 241 29320-23 PUR : 24147564 MKT : 24146419 GRAM : HAFFKINE Mumbai - 400 012. TELEX : 11-7-1427 HBPC IN FAX : 24168578

No.ATS/295

Date: 25/06/2018

CERTIFICATE

This is to certify that **MISS. MEERA ARUN INGALE** student of Third Year B. Pharmacy, **PRIYADARSHINI J. L. COLLEGE OF PHARMACY, NAGPUR**, has successfully completed her ONE month Industrial Training from 25 May 2018 to 25 Jun. 2018 at **Haffkine Bio-Pharmaceutical Corporation Ltd. Pimpri, Pune - 411018.**

She was found punctual during training. We hope that this in-plant training will benefit her in understanding the industrial need and operation for her future career. We wish her best of luck for future endeavors.



Gadgil
Manager

Haffkine Bio-Pharmaceutical Corporation Ltd.



RELIEF - LAB (P) LTD

PHARMACEUTICAL MANUFACTURERS

No 27450272804V
27450272804C

Lic No 28-ND/29
25-ND/14

OFFICE & WORKS S/45, MIDC, Kalmeshwar - 441501
Dist Nagpur (MAHARASHTRA)
Ph (07118) 271444 Fax (07118) 271591
E-mail reliefabpltd@gmail.com
Web www.relief-lab.com

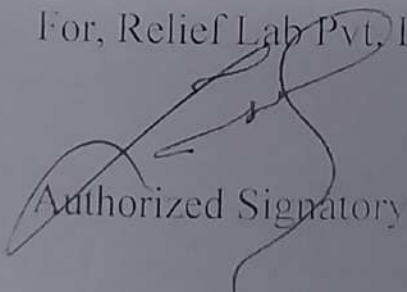
Date: - 17/06/2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. **Saket A. Deshmukh** a third year student of B. Pharm from Priyadarshani J.L.College of Pharmacy Nagpur, R.T.M. University Nagpur had undergone a practical Training Programme in our Company from dated 18/05/2018 to 17/06/2018 During training He was exposed to all aspect of Manufacturing activities in Tablet, Capsule, External Preparation & Quality Control Section. He is found to be sincere and honest during training.

We wish him a bright future.

For, Relief Lab Pvt. Ltd.


Authorized Signatory





A **TEVA**
company

Registered office address:-

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Off Andheri Kurla Road, Andheri (East),
Mumbai 400 059, India.

Email ID: InfoIndia@actavis.com.

CIN NO. U24 230 MH 2005 PTC 156968

Watson Pharma Private Limited

Plot No. K-7, MIDC,
Additional Ambarnath,
Anand Nagar, Ambarnath (E),
Dist.: Thane - 421 506, India.

Tel.: +91 (0) 251 6949700
+91 (0) 251 6949709
+91 (0) 251 6552932

30th June, 2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. SONIA KSHIRSAGAR** has undergone this Training as requirement for her course curriculum in B. Pharm at Watson Pharma Pvt. Ltd – Ambarnath Unit - II for a period **from 29th May, 2018 to 29th June, 2018**. She has been trained in the aspects of normal functioning of all areas of Formulation & Analytical Research Development. During the training period she was hard working, sincere and showed keen interest in her work. As per our records, her attendance was satisfactory during the training period. We wish her good luck for her future career.

Yours truly,

For **WATSON PHARMA PVT.LTD.**

AB
Dr. Amit Antarkar
Generic R&D Site Head,
Ambarnath, India

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+91 (0) 251 6949709
+91 (0) 251 6552932

30th June, 2018.


TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Ms.RANI SUTONE has undergone this Training as requirement for her course curriculum in B. Pharm at Watson Pharma Pvt. Ltd – Ambernath Unit - II for a period from 29th May, 2018 to 29th June, 2018. She has been trained in the aspects of normal functioning of all areas of Formulation & Analytical Research Development. During the training period she was hard working, sincere and showed keen interest in her work. As per our records, her attendance was satisfactory during the training period.

We wish her good luck for her future career.

Yours truly,

For WATSON PHARMA PVT.LTD.


Dr. Amit Antarkar
Generic R&D Site Head,
Ambernath, India

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Watson Pharma Private Limited

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Dist.: Thane - 421 506, India.

Tel.: +91 (0) 251 6949700
+91 (0) 251 6949709
+91 (0) 251 6552932

30th JUNE, 2018.

TO WHOMSOEVER IT MAY CONCERN


This is to certify that, Ms. VRUSHALI TALMALE has undergone this Training as requirement for her course curriculum in B. Pharm at Watson Pharma Pvt. Ltd – Ambernath Unit - II for a period from 29th MAY 2018 to 29th JUNE 2018. She has been trained in the aspects of normal functioning of all areas of Analytical & Formulation Research Development.

During the training period she was hard working, sincere and showed keen interest in her work. As per our records, her attendance was satisfactory during the training period.

We wish her good luck for her future career.

Yours truly,

For **WATSON PHARMA PVT. LTD**


Dr. Amit Antarkar
Generic R&D Site Head,
Ambernath, India

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Email ID: InfoIndia@actavis.com.

CIN NO. U24 230 MH 2005 PTC 156968

 **ACTAVIS**
company

Watson Pharma Private Limited

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Additional Ambernath,
Anand Nagar, Ambernath (E),
Dist. Thane - 421 506, India.

30th June, 2018.


Tel: +91 (0) 251 6949700
+91 (0) 251 6949709
+91 (0) 251 6552932

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms.RANI SUTONE** has undergone this Training as requirement for her course curriculum in B. Pharm at Watson Pharma Pvt. Ltd – Ambernath Unit - II for a period **from 29th May, 2018 to 29th June, 2018.** She has been trained in the aspects of normal functioning of all areas of Formulation & Analytical Research Development. During the training period she was hard working, sincere and showed keen interest in her work. As per our records, her attendance was satisfactory during the training period. We wish her good luck for her future career.

Yours truly,

For **WATSON PHARMA PVT.LTD.**


Dr. Amit Antarkar
Generic R&D Site Head,
Ambernath, India



A TERN
company

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Email ID: InfoIndia@actavis.com.

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Watson Pharma Private Limited

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Anand Nagar, Ambernath (E),
Dist.: Thane - 421 506, India.

30th June, 2018.

Tel.: +91 (0) 251 6949700

+91 (0) 251 6949709

+91 (0) 251 6552932

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. SAMIKSHA SONDAWALE** has undergone this Training as requirement for her course curriculum in B. Pharm at Watson Pharma Pvt. Ltd – Ambernath Unit - II for a period **from 29th May, 2018 to 29th June, 2018**. She has been trained in the aspects of normal functioning of all areas of Formulation & Analytical Research Development.

During the training period she was hard working, sincere and showed keen interest in her work. As per our records, her attendance was satisfactory during the training period.

We wish her good luck for her future career.

Yours truly,

For **WATSON PHARMA PVT.LTD.**

AB
Dr. Amit Antarkar
Generic R&D Site Head,
Ambernath, India

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VAMA PHARMA
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REF NO. 18-19/08

DATE - 26th July 2018

To whom so it may concern

This is to certify that Ms. Deepti Ravindra Damle a student of B.Pharm Third Year in Priyadarshini J.L College of Pharmacy, Nagpur has Satisfactorily completed her "Industrial Training" in our organisation for duration of 01 (one) month between 22th May 2018 to 22th June 2018 .

The feedback submitted by her is satisfactory. We wish her all the success for her future.

With Regards

For Vama Pharma

Managing Partner

(Satish Vyawahare)



LUPIN LIMITED

A-28/1, MIDC, Chikalthana,
Aurangabad - 431 210 - Maharashtra
Tel. 91 - 240 - 2485871-72, 91 - 240 - 6612444
Fax: 91 - 240 - 2484121



LUPIN

28th June, 2018.

TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Ms. Poonam More**, student of Priyadarshani J.L College of Pharmacy. She undergone in plant training for period **30th May To 28th June, 2018**.

She has completed her training from Human Resources, Safety & EHS, Stores, Quality Control, Quality Assurance, Production & Packing Department.

Her attendance was found to be satisfactory.

We wish her all the best in her future endeavors.

For Lupin Limited,

Bhaskar Rishi Shankar

Sr. Manager – HR