

CRITERION 3: Research, Innovations and Extension
3.5: Collaboration

# CRITERION 3: Research, Innovations and Extension 3.5: Collaboration

Metric No. Number of functional MoUs with institutions, other universities, industries, 3.5.2 corporate houses etc. during the year

### **MOU DETAILS**

### A) MOU's:

Year	2023-24 (Including , other universities, industries, corporate houses etc. )
Number of Functional MOU's	07

Responses: 07



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## **INDEX**

## **MOU details:**

Sr. No.	Name of the institution / industry / corporate house with whom MoU is signed	Year of signing MoU	Duration	Page Nos. / MOU Link	Page Nos. / Activity Link
	2	023-24			
1	Bharati Vidyapeeth (Deemed To Be University) Medical College And Hospital, Sangli	13 May 2024	3 Years with one year extension (Till 2028)	<u>Link</u>	<u>Link</u>
2.	Surya Centre Treatment Facility Private Limited Plot No. D/60 Miraj, MIDC Sangli	01 Dec 2023	2 Years (Till 2025)	<u>Link</u>	<u>Link</u>
3.	Boga Formulations Research & Development Madhurai-625018, Tamil Nadu, India	25 Nov 2023	5 Years (Till 2028)	<u>Link</u>	<u>Link</u>
4.	Vmedulife Software services (Second Floor, Efc business centre, Phase I, Rajiv Gandhi International Infotech park, Hinjewadi, Pune, India, 411057)	26 Jun 2023	5 Years (Till 2028)	<u>Link</u>	<u>Link</u>
5	Shree Warna Vibhag Shikshan Mandal's Tatyasaheb Kore College of Pharmacy, (Warananagar)	25 May 2023	5 Years (Till 2028)	<u>Link</u>	<u>Link</u>
6	Appasaheb Birnale College of Pharmacy, (Sangli)	28 Mar 2023	5 Years (Till 2028)	<u>Link</u>	<u>Link</u>
7.	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, (Sangli)	3 Mar 2023	5 Years with one year extension (Till 2029)	<u>Link</u>	<u>Link</u>



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## MOUAND ACTIVITY WITH BHARATI VIDYAPEETH MEDICAL COLLEGE

#### MEMORANDUM OF UNDERSTANDING (MOU)

Batavaan

DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY, KASABE DIGRAJ, SANGLI and

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) MEDICAL COLLEGE AND HOSPITAL. SANGLI

This is an agreement between Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli here in after called SKCP and Bharati Vidyapeeth (Deemed to be University) Medical College and Hospital, Sangli here in after called BVDU Medical College Sangli.

#### PURPOSE

This Memorandum of Understanding (MOU) establishes a cooperative relationship between Bharati Vidyapeeth (Deemed to be University) Medical College and Hospital, Sangli. (Animal House research facility) and Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli (SKCP) Under this MOU, SKCP and BVDU Medical College will establish mutually beneficial links, with the aim of enhancing development of students in the field of Pharmacy.

#### 1. BACKGROUND

A) Partner 1: Dr. Shivajirao Kadam College of pharmacy, Kasabe Digraj, Sangli. Teerthankar education society established Dr. Shivajirao Kadam College of pharmacy, Kasabe Digraj in the year 2016. The institute is leading a road to success with visionary guidance and optimistic approach of Prof. D.D. Chougule (Founder) and consistent support of governing body of the institute. Approved by AICTE, Govt. of Maharashtra and affiliated to the Shivaji University, Kolhapur / MSBTE, Mumbai.

Dr. Shivajirao Kadam College of pharmacy offers following courses:

- a) Master in pharmacy (M. Pharm), a two-year full-time course with an approved intake capacity of students.
- b) Bachelor of pharmacy (B. Pharm) Degree, a four-year full-time degree course spreading over eight semesters, with an approved intake capacity of 100 students.
- e) Diploma in pharmacy, a two-year full-time course affiliated to Maharashtra state board of Technical Education (MSBTE) with an approved intake capacity of 60 students.

The institute is equipped with well-equipped laboratories, high speed internet facility, well-ventilated classrooms modern machinery and equipment in all laboratories, well stocked library with adequate national and international journals and periodicals, hygienic cafeteria and medical facilities within the campus and bus service to and from Sangli.



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B) Partner 2: Bharati Vidyapeeth (Deemed to be University) Medical College, Sangli was established in 2005. The college is approved by UGC and Medical Council of India (Now NMC Delhi). Institute has awarded NAAC A<sup>+</sup> grade. The college has an excellent infrastructure and motivated staff for research and patient care. The institute is well equipped with laboratories and state of the art museum and has become a Centre for academic excellence. College received lot of praise for the dedicated Covid work. The college has facility of skill training human and Animal research work.

### 3) COOPERATIVE RELATIONSHIP:

SKCP and BVDU Medical College agree to form a cooperative relationship under this MOU for the purpose stated above. In furtherance of this agreement:

- a) Promoting interaction between SKCP and BVDU Medical College in Sharing knowledge and capability in the concerned areas for mutual benefits and become trusted partners in the area of knowledge enrichment.
- Facilitate work from SKCP students/faculties and vice versa on projects identified for collaborative benefits.
- d) Engage in collaborative research.
- e) To support the institute in following activities:
  - i. To encourage and develop students in the field of Pharmaceutical industrial practice.
  - To develop the skills and aptitude of students for enhancing their employability and entrepreneurial attitude.
  - iii. To organize workshops, conclaves, seminars and trainings in mutual association.
  - iv. To spread awareness, provide encouragement and facilitate Publications, Products and
  - In unforeseen circumstances MOU between parties can be terminated with prior consultation and mutual understanding.

### 2. GENERAL CONDITION

The Memorandum of understanding (MOU) signed will be the guiding document for both the parties for execution of the actions and initiatives in the near future. Both the organizations will encourage its members to define the overall strategy and roadmap to carry out the action points contained in it and report on the progress achieved at regular intervals.





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### 3. EFFECTIVE DATE

This MOU will be effective upon the date of the final signature of this document for a period of Three years with one-year extensions available upon written mutual agreement. Extensions become effective upon final signature of the appropriate parties.

For

**BVDU Medical College** Phone: 0233-2212775

Dr. Shivajirao Kadam college of pharmacy,

Kasabe Digraj, Sangli.

Phone: +91- 9822194950

menssangli @ bharahvidyapeeth.edy

Signature:

Name: Dr. Sara S Dhanawade

Designation: Dean

Date:

Signature:

Name: Dr. Ramchandra P Limaye Designation: HOD Pharmacology

Name: In. Kimana AraWacken College of Pharmacy Designation: being J. Sangli

Date:

Signature: Prof. & Head,

Dept. of Pharmacology, Name: Dr. Sandoop Bd Particollege of Designation HOD Pharmacology.

Date:

Witnessed By:

Signature:

Ambann

Name: Mr. Ravindra Kulkarni Designation: Incharge and

**Biological Scientist** 

Animal House facility BVDU

Date:

Name: Mr. Shankar J. Joshi Designation: Assistant Professor





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Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat Kasabe Digraj, Tal. Miraj, Dist. Sangli -416305 Website:www.skcp.org.inE-mail:skcopharmdeg@gmail.com Contact No:-9404398406

**Department: Pharmacy** 

### ACTIVITY WITH BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) MEDICAL COLLEGE AND HOSPITAL, SANGLI

#### INDEX

Sr. No.	List of Activities	Activity Commenced on Date	Activity Completed on Date
1.	Visit to Central Animal House and Human Anatomy Simulation Lab	13 May 2024	13 May 2024



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Visit to Central Animal House at
BhartiVidyapeeth Medical College,
Students of M.Pharm (Pharmacology Department)
Sangli, 13th May 2024.

A visit to BhartiVidyapeeth Central Animal House was organized on 13th May 2024. All the information regarding animal house was given and guided by Dr.Kulkarni Sir. The animal house was according to CPCPSEA guidelines and included working corridor, rat room, operation room, breeding room, experiment room, washing room, dirty corridor, record room etc. Rat room contained Wister albino rat strains. All the cages were labelled with age, sex, number of animals. Experimental room had instruments like plethesmometer, metabolic cages, rat and rabbit holders and other essential materials. the record room had all the records maintained right from daily entrance register, feeding register and forms A, B, C and D, animal health checkup. All the students took active participation by asking doubts, got the chance to observe the animal house and learnt many new things.

We all are thankful to our college for giving us the opportunity to visit central animal house.







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Visit to Human Anatomy Simulation Lab at

BhartiVidyapeeth Medical College,

Students of M.Pharm (Pharmacology Department)

Sangli, 13" May 2024.

visit to **BhartiVidyapeeth Human Anatomy Simulation Lab** was organized on 13" May 2024. All the information was given by Dr. Hemlata munjappa about Fidelity and Non-fidelity models where students came to know how medical simulation allows the aquisition of clinical skills through deliberate practice rather than apprentice style of learning, and how simulation tools serve as an alternative to real patients without harming them. Non-fidelity models included catheter insertion model, enema insertion, suturing methods, breast examination model, paediatric models etc. Fidelity models resemble reality and we observed pulse rate, sclera changes in a different disease condition, ECG changes in cases like ischemic disease, cardiac arrythmia. Some students performed CPR on fidelity model. All students understood the importance of simulation models.

We all are thankful to our college for giving us the opportunity to visit **BhartiVidyapeeth Human** Anatomy Simulation Lab.







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### MOU AND ACTIVITY WITH SURYA CENTRE TREATMENT FACILITY PRIVATE LIMITED

#### MEMORANDUMOFUNDERSTANDING (MOU)

Memorandum of Understanding to be jointly signed between



Teerthankar Education Society's DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY, KASABE DIGRAJ, SANGLI (Partner 1) Baganwat, A/P- Kasabe Digraj, Taluka- Miraj, Dist. – Sangli – 416305 Email id: skeopharmdeg@gmail.com

And

Surya Center Treatment Facility Private Limited Plot No. D/60 Miraj, MIDC, Sangli

This Memorandum of Understanding (MoU) establishes a cooperative relationship between Dr. Shivajirao Kadam College of Pharmacy (SKCP), Kasabe Digraj, Sangli, (Partner 1) and Surya Center Treatment Facility Private Limited Plot No. D/60 Miraj, MIDC, Sangli (Partner2) on Dec 1, 2023 for facilitating research projects of both parties by mutually agreeing terms and conditions.

#### Background:

A) Partner 1:

Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj, Sangli. Teerthankar education society established Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj in the year 2016. The institute is leading a road to success with visionary guidance and optimistic approach of Prof. D.D. Chougule (Founder and consistent support of governing body of the institute. Approved by AICTE, Govt. of Maharashtra and affiliated to the Shivaji university, Kolhapur / MSBTE, Mumbai.

Dr. Shivajirao Kadam college of pharmacy offers following courses:

- a) Master in pharmacy (M. Pharm), a two year full time course with an approved intake capacity of students.
- b) Bachelor of pharmacy (B. Pharm) Degree, a four year full time degree course spreading







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over eight semesters, with an approved intake capacity of 100 students.

c) Diploma in pharmacy, a two year full time course affiliated to Maharashtra state board of Technical Education (MSBTE) with an approved intake capacity of 60 students.

The institute is equipped with well equipped laboratories, high speed internet facility, wellventilated classrooms modern machinery and equipment in all laboratories, well stocked library with adequate national and international journals and periodicals, hygienic canteen and medical facilities within the campus and bus service to and from Sangli.

B) Surya Center Treatment Facility Private Limited, Plot No. D/60 Miraj, MIDC, Sangli

Surya center treatment facility private limited having its register office located at Spurthi chowk, Sangli

#### PURPOSE OF MOU:

In particular, this MOU is intended to

- 1. Student and Faculty Visit to plant
- Conduct practical trainings.
- 3. Research and Development 4. Assist the students in establishing various start-ups.

## NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FOR THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations. The parties shall keep each other informed of potential opportunities and share all information that may be relevant to secure additional opportunities for one another.

The co-operation between First Party and Second Party will facilitate effective utilization of the intellectual capabilities of the Second Party providing significant inputs to them in developing suitable eco environment systems, keeping in mind the needs of the First Party.

### SCOPE OF THE MOU

Both parties believe that close co-operation between the two would be a major benefit to the student community to enhance their skills and knowledge.

The Second Party will give valuable inputs to the First Party in training, industrial visit methodology so that the students fit into the industrial scenario meaningfully.

The interaction between Industry and Community College Centre will give an insight into the latest developments /requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The

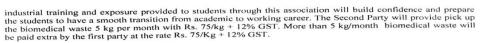






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Payment upto February 2024 will be paid in advance by first party on the basis of 5Kg/month Biomedical waste and at the end of March 2024, difference amount if any and March 2024 bill to be paid by first party.

#### VALIDITY

- The validity of the agreement is upto 31st March 2024 from the date of agreement. Both parties may terminate this MoU upon 30 calendar days' notice in writing. In the event of termination, both parties have to discharge their obligations.

### AGREED:

For

For

Dr. Shivajirao Kadam College of Pharmacy Kasabe Digraj, Sangli

Surya Center Treatment Facility Private Limited Plot No. D/60 Miraj,

Authorized Signatory

Principal, Pr. Shivajirao Kadam College of Pharmacy, Baganvat, Kusabe Digraj, Sangli

Dr. Shivajirao Kadam College of Pharmacy

Baganwat road, Kasbe digraj Sangli-416305 E-mails: skcopdegpharm@gmail.com

uthorized Signatory

CINTER QUE Zaicer 190000PN 05

Surva Center Treatment Facility Private

Spurthi chowk, Sangli

E-mails: contactsuryactf@gmail.com





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#### SURYA CENTER TREATMENT FACILITY PVT. LTD.



Date: 11-10-2024

#### **BIO MEDICAL WASTE DISPOSAL PLANT**

CST.NO. 79,79A, 80 ARWADE MILL, BALAJI MILL ROAD, NORTH SHIVAJI NAGAR, SANGLI 416416 Tel. No.: 8411811005 Mob: 9823184999. GSTIN - 27ABJCS9911R1ZC MPCB Licener No. : Format 1.0/CC UAN No. 0000146751/CR/230200193211R1ZC



**Registration Certificate** 



Online Verification

Offline Verification

Certificate # : SC20242504238

This is to certify that DR. Shivajirao Kadam College of Pharmacy, a/p kasbedigraj,, Kasbedigraj., Tal.: Miraj, Dist.:Sangli, Pin: 416305 is registered with Surya Center Treatment Facility Pvt. Ltd. Sangli for Management of Bio Medical Waste in accordance with, the provision of Bio Medical Waste Management Rules, 2016, as amended and in conmpliance with the provisions of CPCB guidelineds.

Authorized Person of HCE (Name and Designation) Bombay Nursing Home Act Registration Details BNH Registration Number 2 **BNH Issue Date** Total Number of beds BNH Validity (Form 'c') Common Treatment Facility Reistration Details 3 Date of Registration No. of Beds Registered Registration Validity Renewal of CTF Membership (if Applicable) Renewal Date No. of Beds Registered MPCB Consent (Establish/ 1st Operate/Renewal) Details 5 Concent / CCA Number Issue Date Validity Upto Remarks: CCA Not obtained Application not submitted.

Dr. Shivajirao Kadam College of Pharmacy

Owner

-NA - Non Beded HCE NA - Non Beded HCE NA - Non Beded HCE NA - Non Beded HCE

01-04-2024 2 31-03-2025 -31-03-2025

-

Taghana Rajeer

Authorized Signature Name: Meghna Kore Designation: Director



3226577995



## CRITERION 3: Research, Innovations and Extension

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### SURYA CENTER TREATMENT FACILITY PVT. LTD.



#### **BIO MEDICAL WASTE DISPOSAL PLANT**

CST.NO. 79,79A, 80 ARWADE MILL, BALAJI MILL ROAD, NORTH SHIVAJI NAGAR, SANGLI 416416 Tel. No.: 8411811005 Mob: 9823184999. GSTIN - 27ABJCS9911R1ZC

### **TAX INVOICE**

Customer DR. Shivajirao Kadam College of Invoice No.: SI/2024-25/09/794
Name: Pharmacy Invoice Date: 30-09-2024
Dr. Shivajirao Kadam College of Pharmacy

Fixed Charges Amount (₹)

Sr. No. Particulars Fixed Charges Amount (x)
Service Charges For BMW Collection & Disposal For the Period

of ₹ 8.950 / Day 3266.75

Other Charges ₹ 0.00
Discount 0.00
Taxable Amount 3266.75
CGST @ 6% 196.00
SGST @ 6% 196.00
Total Amount 3658.76

Round Off 0.24

Total Invoice Amount 3659.00

Amount in Words: Rupees Three Thousand Six Hundred and Fifty Nine Only

Account: SURYA CENTER TREATMENT FACILITY PRIVATE LIMITED

Bank Name: YES BANK Branch: SANGLI

Account No.: 112763300001161
IFSC: YESB0001127

Client Signature & Name

This is computer generated invoice signature not required



Scan To Pay



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Incineration

## Surya Center Treatment Facility Pvt.Ltd.



BIO MEDICAL WASTE DISPOSAL PLANT

CIN: U90000PN2022PTC217159

Plant D - 60 Miraj MIDC

PAN No.: ABJCS9911R

RECEIPT

E-Mail-contactsuryactf@gmail.com

Rece	eived From : The olar	11 1/01		N IDD	459 /22.24
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	college of ph	armay			
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	- South	only		(Signature	Name)



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# Surya Center Treatment Facility Pvt.Ltd. BIO MEDICAL WASTE DISPOSAL PLANT



CIN: U90000PN2022PTC217159

Plant D - 60 Miraj MIDC

RK GROUP

PAN No.: ABJCS9911R

INVOICE

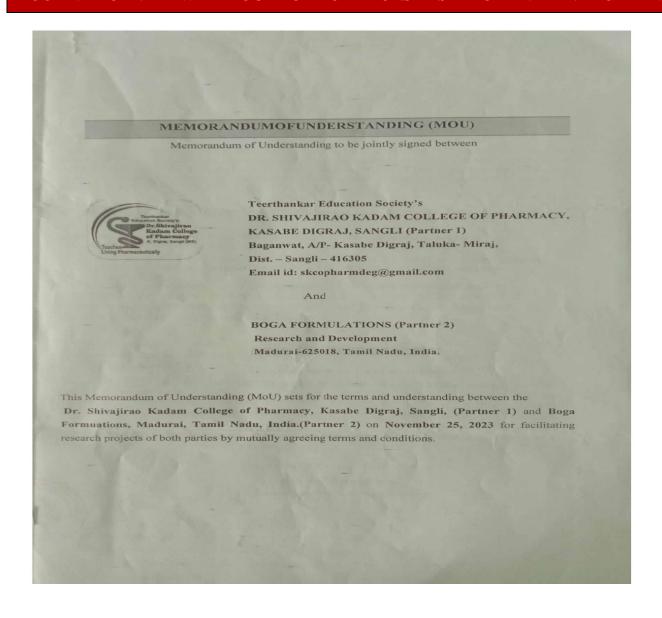
E-Mail-contactsuryactf@gmail.com GSTIN - 27ABJCS9911R1ZC

M/s	. Dr. shivajing College of F	rao Kadan	)	Invoice	No. : IPD	<b>3</b> 8	0 /23-24
	college of F	ex phorma	20%	Invoice	Date :	1/12/20	23
Sr. No.	Service Charges F Collection & Disposal F	or BMW	Surgical Bead	Bed Rate	Non-Sur- gical Bed	Bed Rate	Amount
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	n: Sangli A/c.No. 112763300001161					m	
IFSC C	Code: YESB0001127	Client Sig.&	Stamp		(Signa	ture & Na	me)



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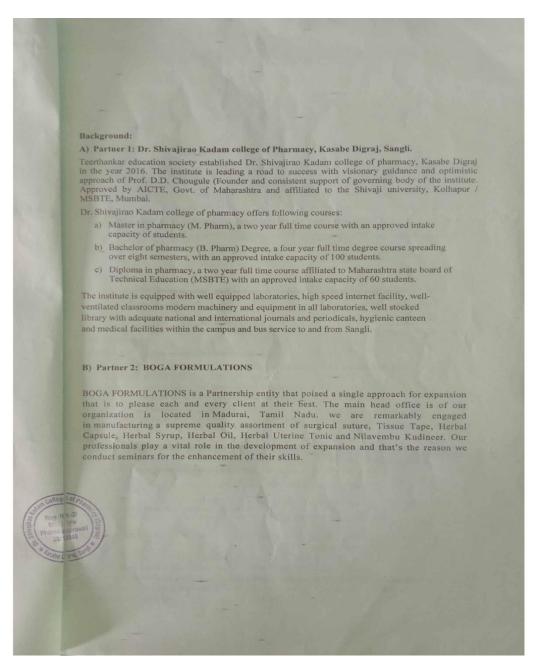
### MOU AND ACTIVITY WITH BOGA FORMULATIONS RESEARCH AND DEVELOPMENT





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### THE MEMORANDUM OF UNDERSTANDING WITNESSE THASUNDER:

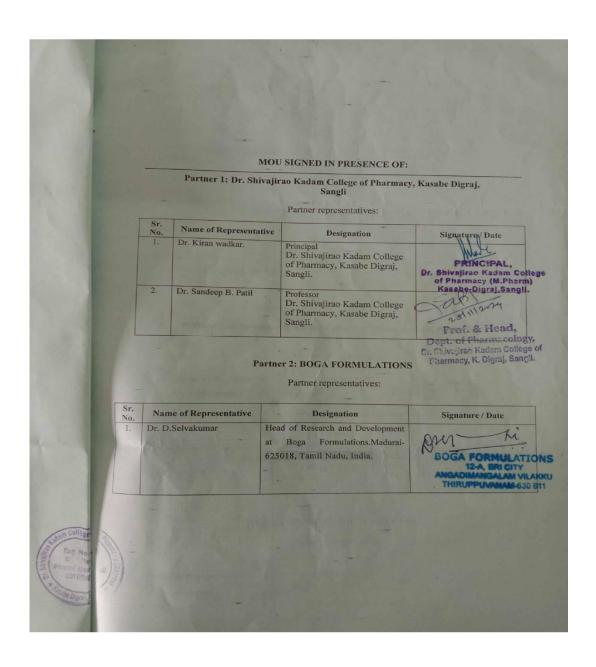
- Promoting interaction between SKCP and BOGA FORMULATIONS in mutually beneficial
  areas of academic and research rapport among students and the faculty will establish
  mutually valuable links, with the aim of enhancing development of students in the field of
  Pharmacy. Sharing knowledge and capability in the concerned areas for mutual benefits and
  become trusted partners in the area of knowledge enrichment.
- Facilitate work from SKCP students / faculties and vice versa on projects identified for collaborative benefits.
- 3. To support the institute in following activities:
  - 1. To encourage and develop students in the field of academic and research.
  - 2. To develop the skills and aptitude of students for enhancing their employability and entrepreneurial attitude.
  - 3. To organize workshops, conclaves, seminars and trainings in mutual association.
  - To spread awareness, provide encouragement and facilitate publications, products and parents etc.

### TERMS AND CONDITIONS

- The MoU is for a period of Five years from the date of signing, and can be renewed with mutual consent.
- The MoU is not a legally binding contract, and under no circumstances does this
  memorandum subject either of the parties to liability for breach whether material or minor
  of contract or any other liability under national or international law or any other applicable
  law.
- 3. The MoU does not place any financial liability one there of parties.
- 4. The parties may nominate an identified individual to establish a "Joint Working Group" to manage and execute the cooperative activities mentioned in this MoU.



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Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat Kasabe Digraj, Tal. Miraj, Dist. Sangli -416305 Website:www.skcp.org.inE-mail:skcopharmdeg@gmail.com Contact No:-9404398406

**Department: Pharmacy** 

## MOU WITH BOGA FORMULATION RESEARCH AND DEVELOPMENT INDEX

Sr. No.	List of Activities	Activity Commenced on Date	Activity Completed on Date
1.	Exploring the healing efficacy of Topical Ayurvedic Spray in Diabetic Foot Ulcer	May 2023	August 2024



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### CERTIFICATE

This is to certify that work presented in the thesis entitled,

"Exploring the Healing Efficacy of Topical Ayurvedic Spray in Diabetic Foot Ulcer"

For

Master of Pharmacy

in

Pharmacology

has been carried out by Mr. Dhiraj Rajkumar Patil, in partial fulfilment of Degree of Master of Pharmacy (Pharmacology) in the faculty of Science and Technology, Shivaji University, Kolhapur under the guidance of Prof. Dr. Sandeep Balvant Patil, for the year 2023-2024 in the laboratories of Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli.

Date: 07/08/2024

Place: Kasabe Digraj



M. Pharm. Ph. D.

PRINGINAL,
Dr. Shivajirao Kadam
College of Pharmacy
Kasabe-Digraj, Sangli
DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY,

KASABE DIGRAJ, SANGLI. 416305

SHIVAJI UNIVERSITY, KOLHAPUR

2023-2024



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### MOU AND ACTIVITY WITH VMEDULIFE SOFTWARE SERVICES



Teerthankar Education Society's DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY, KASABE DIGRAJ, SANGLI (Partner 1) Baganwat, A/P- Kasabe Digraj, Taluka- Miraj, Dist. - Sangli - 416305 Email id: skcopharmdeg@gmail.com



Vmedulife Software, Second Floor, Efc Business Center, Phase I, Rajiv Gandhi International Infotech Park, Hinjewadi, Pune, India -411057

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli, (Partner 1) and Vmedulife software (partner 2) on Jun 26, 2023 for facilitating research projects of both parties by mutually agreeing terms and conditions.

The purpose of this MOU is to express the willingness of both parties to engage to promote the Competitiveness of VMEDULIFE Private Limited as well as its activities to develop and expand relationships with Dr. Shivajirao Kadam college of Pharmacy, Kasahe Digraj, Sangli.

VMEDULIFE Private Limited agrees to provide technical assistance to assist Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli for overall development of Students and faculties to make them competent.

Dr. Shivajirao Kadam college of Pharmacy, Kasabe Digraj, Sangli agrees to work with and have them competent.







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coordinate with VMEDULIFE Private Limited in development of their initiatives to improve and expand support to the corporate interactions too for the student's overall improvement. They also agree to allow vmedulife to carry out monitoring and evaluation activities to assess the impact of these activities on participating.

#### Background:

A) Partner 1: Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj, Sangli.

Teerthankar education society established Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj in the year 2016. The institute is leading a road to success with visionary guidance and optimistic approach of Prof. D.D. Chougule (Founder and consistent support of governing body of the institute. Approved by AICTE, Govt. of Maharashtra and affiliated to the Shivajiuniversity, Kolhapur / MSBTE, Mumbai.

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- a) Master in pharmacy (M. Pharm), a two year full time course with an approved intake capacity of students.
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The institute is equipped with well equipped laboratories, high speed internet facility, well-ventilated classrooms modern machinery and equipment in all laboratories, well stocked library with adequate national and international journals and periodicals, hygienic canteen and medical facilities within the campus and bus service to and from Sangli.

## B) Partner 2: VMEDULIFE SOFTWARE, AN ISO CERTIFIED COMPANY, PUNE.

Vmedulife is a cloud-based learning platform provider for various educational institutions. vmedulife was established in 2013, They have developed an Academic Management System that helps the students, faculties, and the managerial board. They can keep a track of anything and everything related to the academic setup with our user-friendly services. They have successfully demonstrated their unique teaching-learning platform to many of the NAAC/NBA committee members in the past few years.





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Currently, they serve in more than 16 states of the country, catering to different types of domains in education, including engineering, medical, autonomous, BMS, nursing, commerce, architecture and many more.

#### CO-OPERATIVE RELATIONSHIP:

The Partnership/Advisory group is accountable for:

- Removing obstacles to the partnership's successful delivery, adoption, and use.
- Maintaining the focus of the partnership on the agreed scope, outcomes, and benefits
- Monitoring and managing the factors outside the partnership's control that are critical to its success.
- The membership of the partnership/advisory group will commit to: Attending all scheduled partnership group/advisory group meetings/ conferences Champion the partnership within and outside of work areas.
- Share all communications and information across all partnership/advisory group members.
- Make timely decisions and act so as not to hold up the implementation.
- Notifying members of the Partnership Group/Advisory Group, as soon as practical, if any
  matter arises which may be deemed to affect the development of the partnership.
- Attendance at all meetings and if necessary, nominate a proxy.

Members of the advisory group expect:

- · That each member will be provided with complete, accurate and meaningful information
- To be given reasonable time to make key decisions.
- To be alerted to potential risks and issues that could impact the implementation, as they
- arise.
  Open and honest discussions.

### COMMUNICATION, INFORMATION SHARING AND CONSULTATION PROCESSES

- Timely communication between Institute Coordinator and VMEDULIFE Executive for
- Institute coordinator must cooperate vmedulife Executive for all the required information.
- Vmedulife Executive always extend cooperation for successful implementation of all the planned activities for institute.

#### TERMS AND CONDITIONS

1. The MoU is for a period of Five years from the date of signing, and can be renewed with mutual consent.





CRITERION 3: Research, Innovations and Extension 3.5: Collaboration

- In case of any conflicts, both vmedulife Team and Institute concern authorities must discuss and come with solution without affecting student's routine academics and ongoing activities through vmedulife.
- The MoU is not a legally binding contract, and under no circumstances does this
  memorandum subject either of the parties to liability for breach whether material or
  minor of contract or any other liability under national or international law or any
  other applicable law.
- 4. The MoUdoes not place any financial liability one therosparties.
- The parties may nominate an identified individual to establish a "Joint Working Group" to manage and execute the cooperative activities mentioned in this MoU.







## CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

### MOU SIGNED IN PRESENCE OF:

Partner 1: Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli

#### Partner representatives:

Sr. No.	Name of Representative	Designation	Signature / Date
1.	Dr. Pankaj A. Jadhav	Vice-Principal Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli.	PRINCIPAL, Dr. Shivajirao Kadam
2.	Dr. Sandeep B. Patil	Professor Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli.	College of Pharmacy Kasabe-Digraj Sangli

## Partner 2: VMEDULIFE PRIVATE LIMITED, AN ISO CERTIFIED COMPANY, PUNE.

### Partner representatives:

Sr. Name o No. Representa		Signature / Date
1. Nishant Saini	VMEDULIFE EXECUTIVE, VMEDULIFE PRIVATE LIMITED, AN ISO CERTIFIED COMPANY, PUNE.	N.P.S. o. Yse dulife &
2.	*,	M. vmad





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat Kasabe Digraj, Tal. Miraj, Dist. Sangli -416305 Website:www.skcp.org.inE-mail:skcopharmdeg@gmail.com Contact No:-9404398406

Department: Pharmacy

## MOU WITH VMEDULIFE SOFTWARE SERVICES 26 JUNE 2023

### INDEX

Sr. No.	List of Activities	Activity Commenced on Date	Activity Completed on Date
1.	Certificate updation	27 July 2023	27 July 2023
2.	Question paper creation	22 February 2023	22 February 2023









## CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

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## Teerthankar Education Society's, Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli

B. Pharmacy [2022-23]

### FIRST PERIODIC PRACTICAL EXAMINATION Batch A

Subject : Pharmaceutical Analysis - Practical Faculty : Sushma Desai Year : First Year - Semi-I DIV A Marks : 40 Date : 22 February, 2023 Duration : 240 Minutes

Marks Cours

0.00

10.00 B108]

0.00

a) Major Experiment

Q. No. I. Synopsis

Standardization of 0.1 N NaOH solution by using standardized 0.1 N HCl solution.

15.00 B1081

OR

Standardization of 0.1 N H<sub>2</sub>SO<sub>4</sub> solution by using 0.1 N Na<sub>2</sub>CO<sub>3</sub> as Primary standard.

b) Minor Experiment

limit test of chloride for the given sample.

10.00 B1081

OR

limit test of Sulphate for the given sample.

Q. No. III Viva Voce

5.00 B1081



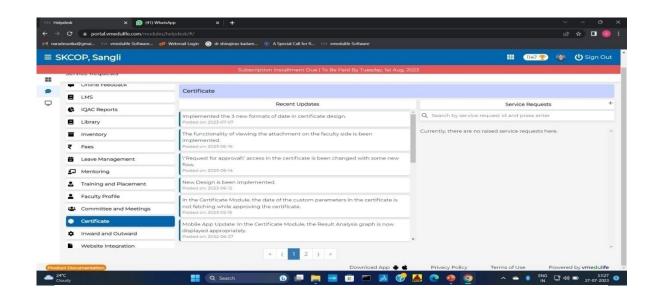






## CRITERION 3: Research, Innovations and Extension

3.5: Collaboration













CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

## MOU AND ACTIVITY WITH TATYASAHEB KORE COLLEGE OF PHARMACY, WARANANAGAR



Regi. under Society Act 1860 No. MAHA/6330/SANGLI, Dt. 12/12/1997 Regi. under Bombay Public Trust Act No. AF-6292 SANGLI, Dt. 09/02/1998 Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat, A/p. Kasabe Digraj, Tal. Miraj, Dist. Sangli - 416 305. E-mail : skcopharmdeg@gmail.com Phone No. : 9404398406

Ref. No.: 2022-28/467-A

Date: 23/05/2028

### MEMORANDUM OF UNDERSTANDING (MOU)

Memorandum of Understanding to be jointly signed between



Teerthankar Education Society's
DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY,
KASABE DIGRAJ, SANGLI (Partner 1)
Baganwat, A/P- Kasabe Digraj, Taluka- Miraj,
Dist. – Sangli – 416305

And

Email id: skcopharmdeg@gmail.com



SHREE WARANA VIBHAG SHIKSHAN MANDAL'S
TATYASAHEB KORE COLLEGE OF PHARMACY,
WARANANAGAR (PARTNER 2),
Tal.: Panhala, Dist.: Kolhapur, Telephone: 02328-22350

Tal.: Panhala, Dist.: Kolhapur, Telephone: 02328-223501, E-mail: <u>tkep.pe@unishivaji.ac.in</u>





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



Regi. under Society Act 1860 No. MAHA/6330/SANGLI, Dt. 12/12/1997 Regi. under Bombay Public Trust Act No. AF-6292 SANGLI, Dt. 09/02/1998

Teerthankar Education Society's

## Dr. Shivajirao Kadam College of Pharmacy

Baganwat, A/p. Kasabe Digraj, Tal. Miraj, Dist. Sangli - 416 305. E-mail : skcopharmdeg@gmail.com Phone No. : 9404398406

Ref. No. :

Date

This Memorandum of Understanding (MoU) sets for the terms and understanding between the Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli, (Partner 1) and SWVSM's Tatyasaheb Kore College of Pharmacy (TKCP), Warananagar (Partner 2) on May 25, 2023 for facilitating research projects of both parties by mutually agreeing terms and conditions.

#### Purpose:

This MOU will establish academic and research cooperation, rapport among students and the faculty. This MoU also assist in the bio-chemical and preclinical testing of formulations through a joint collaborative effort between SKCP and TKCP.

### Background:

Partner 1: Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj, Sangli.

Teerthankar education society established Dr. Shivajirao Kadam college of pharmacy, Kasabe Digraj in the year 2016. The institute is leading a road to success with visionary guidance and optimistic approach of Prof. D.D. Chougule (Founder and consistent support of governing body of the institute. Approved by AICTE, Govt. of Maharashtra and affiliated to the Shivaji university, Kolhapur/MSBTE, Mumbai.

- Dr. Shivajirao Kadam college of pharmacy offers following courses:
- a) Master in pharmacy (M. Pharm), a two year full time course with an approved intake capacity of students.
- Bachelor of pharmacy (B. Pharm) Degree, a four year full time degree course spreading over eight semesters, with an approved intake capacity of 100 students.
- of Technical of Te



CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



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Teerthankar Education Society's

## Dr. Shivajirao Kadam College of Pharmacy

Baganwat, A/p. Kasabe Digraj, Tal. Miraj, Dist. Sangli - 416 305. E-mail : skcopharmdeg@gmail.com Phone No. : 9404398406

Ref. No. :

Date:

well-ventilated classrooms modern machinery and equipment in all laboratories, well stocked library with adequate national and international journals and periodicals, hygienic canteen and medical facilities within the campus and bus service to and from Sangli.

Partner 2: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar established in 2004, with the foresight to impart distinguished professional education and life skills with mission'to excel in professional pharmacy education through student centered learning, scholarly research and service to the society'. It runs courses like D. Pharm., B. Pharm., M. Pharm. and Ph.D. in Pharmacy with the approval from various bodies including PCI, AICTE, DTE and affiliated to MSBTE / Shivaji University, Kolhapur. The college is involved in quality education with research activities and aims to develop pharma students with basic and applied knowledge, skills and attitude. The college has earned repute as 'one of the fastest growing pharmacy colleges' of the region; proven by NIRF ranking 2017 and 2018 into Rank-Band of 51-75.

### THE MEMORANDUM OF UNDERSTANDING WITNESS ETHASUNDER:

- Promoting interaction between SKCP and TKCP in mutually beneficial areas of academic and research rapport among students and the faculty to assist in the biochemical and preclinical test in got formulations through a joint collaboration.
- To Promote students and staffs to develop sophisticated *Invitro* model as a substitute to invivo model.
- Sharing knowledge and capability in the concerned areas for mutual benefits and become trusted partners in the area of knowledge enrichment.
- 4. To support the institute in following activities:
  - 1. To encourage the develop sudents in the field of academic and research.
  - 2. To develop the styles and plade of students for enhancing their employbility and entrepreneur at 17 (1974) and 17 (1974)



CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



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Teerthankar Education Society's

## Dr. Shivajirao Kadam College of Pharmacy

Baganwat, A/p. Kasabe Digraj, Tal. Miraj, Dist. Sangli - 416 305. E-mail: skcopharmdeg@gmail.com Phone No.: 9404398406

Ref. No.:

Date

- 3. To organize workshops, conclaves, seminars and trainings in mutual association.
- To spread awareness, provide encouragement and facilitate publications, products and parents etc.

### TERMS AND CONDITIONS

- The MoU is for a period of Five years from the date of signing, and can be renewed with mutual consent.
- 2. The MoU shall continue for a period of 05 years, unless the party not if in writing to the other party of its intention to terminate this MoU 90 days in advance.
- The MoU is not a legally binding contract, and under no circumstances does this
  memorandum subject either of the parties to liability for breach whether material or
  minor of contract or any other liability under national or international law or any other
  applicable law.
- 4. The MoU does not place any financial liability one therof parties.
- The parties may nominate an identified individual to establish a "Joint Working Group" to manage and execute the cooperative activities mentioned in this MoU.





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



Regi. under Society Act 1860 No. MAHA/6330/SÁNGLI, Dt. 12/12/1997 Regi, under Bombay Public Trust Act No. AF-6292 SANGLI, Dt. 09/02/1998

Teerthankar Education Society's

## Dr. Shivajirao Kadam College of Pharmacy

Baganwat, A/p. Kasabe Digraj, Tal. Miraj, Dist. Sangli - 416 305. E-mail : skcopharmdeg@gmail.com Phone No. : 9404398406

Ref. No.: Date:

### MOU SIGNED IN PRESENCE OF:

Partner1:Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli, (Partner 1)

### Partner representatives:

Sr. No.	Name of Representative	Designation	Signature / Date
1.	Dr. Pankaj A. Jadhav	Vice-Principal Dr. Shivajirao Kadam College of Pharmey, Kasabe Digraj, Sangli.	100 × (210) 400 (200)
2.	Dr. Sandeep B. Patil	Professor Dr. Shivajirao Kadam College of Pharmcy, Kasabe Digraj, Sangli.	De talen coules est

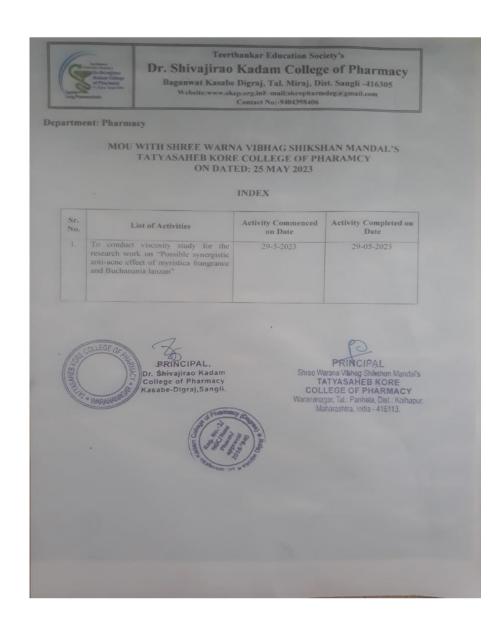
### Partner 2: SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar

### Partner representatives:

Sr. No.	Name of Representative	Designation	Signature / Date
1.	Dr. John I. Disouza	Principal, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	TONE COLLE
2.	Mr. Ajit B. Patil	Assistant Professor, SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar	A THIRD WANAGE

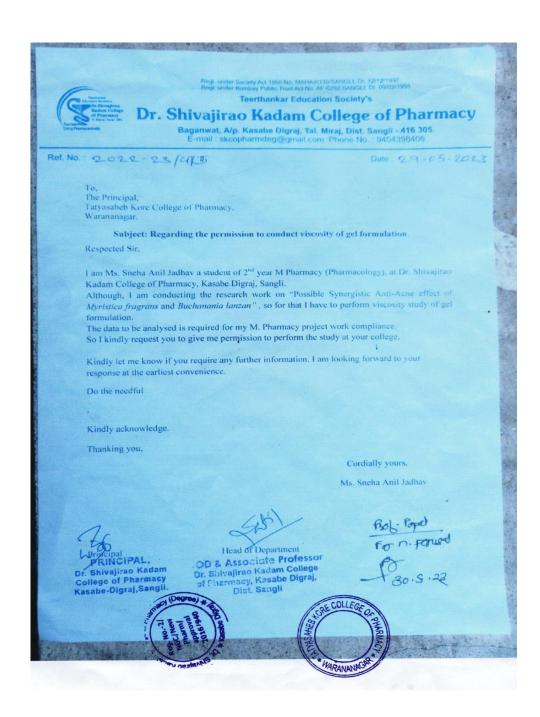


CRITERION 3: Research, Innovations and Extension
3.5: Collaboration





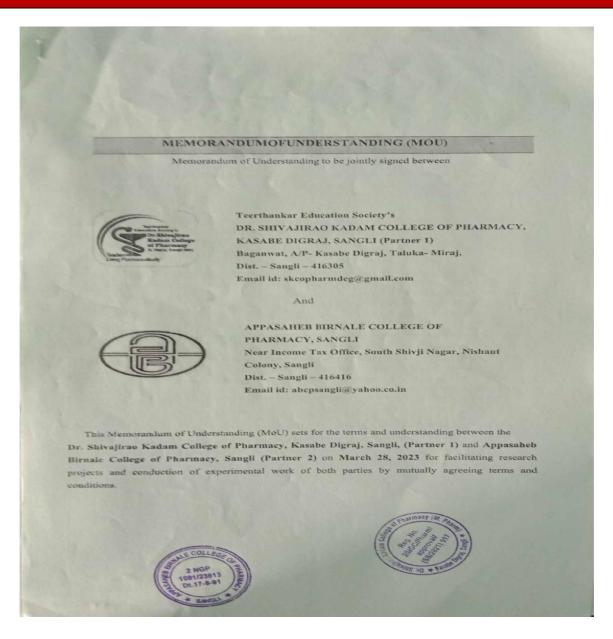
CRITERION 3: Research, Innovations and Extension 3.5: Collaboration





CRITERION 3: Research, Innovations and Extension
3.5: Collaboration

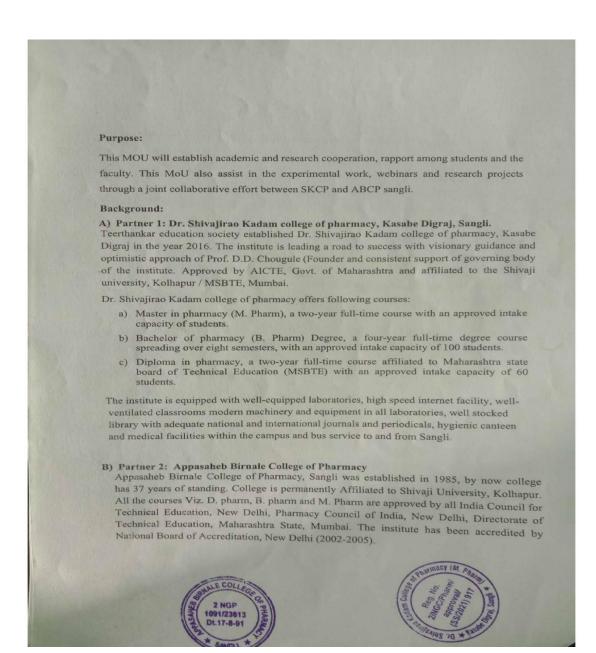
## MOU AND ACTIVITY WITH APPASAHEB BIRNALE COLLEGE OFPHARMACY (ABCP), SANGLI





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

#### THE MEMORANDUM OF UNDERSTANDING WITNESSE THASUNDER:

- Promoting interaction between SKCP and ABCP, Sangli. in mutually beneficial areas of
  academic and research rapport among students and the faculty will establish mutually
  valuable links, with the aim of enhancing development of students in the field of pharmacy.
  Sharing knowledge and capability in the concerned areas for mutual benefits and become
  trusted partners in the area of knowledge enrichment.
- Facilitate work from SKCP students / faculties and vice versa on projects identified for collaborative benefits.
- 3. To support the institute in following activities:
  - 1. To encourage and develop students in the field of academic and research.
  - 2. To develop the skills and aptitude of students for enhancing their employability and entrepreneurial attitude.
  - 3. To organize workshops, conclaves, seminars and trainings in mutual association.
  - 4. To spread awareness, provide encouragement and facilitate publications, products and

### TERMS AND CONDITIONS

- 1. The MoU is for a period of Five years from the date of signing, and can be renewed with mutual consent.
- The MoU is not a legally binding contract, and under no circumstances does this
  memorandum subject either of the parties to liability for breach whether material or minor
  of contract or any other liability under national or international law or any other applicable
- 3. The MoU does not place any financial liability one thereof parties.
- 4. The parties may nominate an identified individual to establish a "Joint Working Group" to manage and execute the cooperative activities mentioned in this MoU.

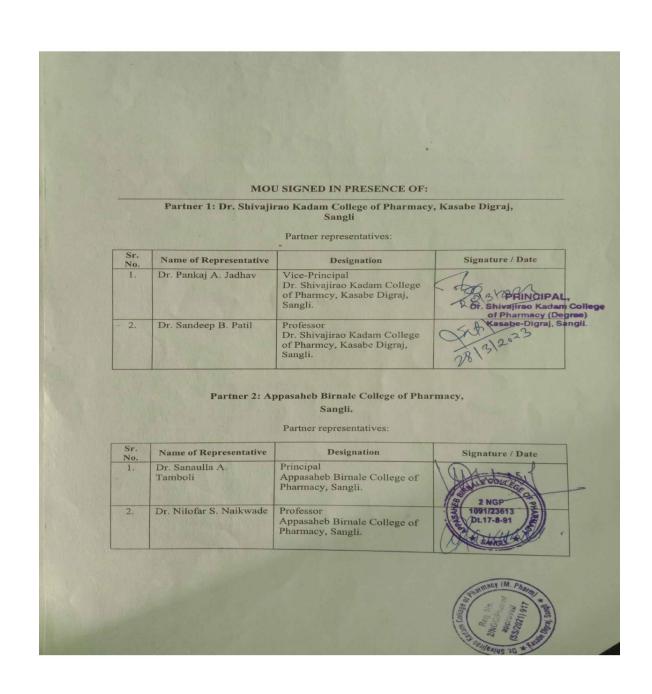






CRITERION 3: Research, Innovations and Extension

3.5: Collaboration





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat Kasabe Digraj, Tal. Miraj, Dist. Sangli -416305 Website:www.skcp.org.inE-mail:skcopharmdeg@gmail.com Contact No:-9404398406

**Department: Pharmacy** 

### MOU WITH APPASAHEB BIRNALE COLLEGE OF PHARMACY ON DATED: 28 MARCH 2023

### INDEX

Sr. No.	List of Activities	Activity Commenced on Date	Activity Completed on Date
1.	To perform experimental work on recording of heart rate, Blood Pressure and ECG of rat by using Bio-pac system in animal house.	19-6-2023	19-06-2023



CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

### VISIT REPORT

Visit to Pharmacology Lab at

Appasaheb Birnale College of Pharmacy, South Shivaji Nagar, Sangli 416416

Student of M. Pharm (Pharmacology Department)

Date-19 June 2023

A visit Pharmacology Lab of Appasaheb Birnale College of Pharmacy, Sangli was organized on 19 June 2023. The recording of rat heart rate, blood pressure and ECG was demonstrated by Dr. Tabbasum madam. The Biopac MP35 software was used by mam for the recording of heart rate, blood pressure and ECG of Rat. In this demonstration students learned about how to locate as well as identify the Carotid artery and how to cannulate it. Cannula was inserted in carotid artery for the recording above parameters. It was an direct or invasive method of recording BP & ECG. With the help of Biopac MP35 software students learned parameters related to heart. Students were actively asking questions related to demonstration & gaining knowledge. Students also learned about handling of software & alternative method of recording of above parameters.

We are really thankful to our college for giving us opportunity to visit Appasaheb Birnale College of Pharmacy. A special thanks to respected HOD of pharmacology department Dr. Nilofar Naikwade madam and Dr. Tabbasum madam for excellent demonstration and your





CRITERION 3: Research, Innovations and Extension 3.5: Collaboration

### BHARATI VIDYAPEETH'S DR. PATANGRAO KADAM MAHAVIDYALAYA, SANGLI

### MEMORANDUM OF UNDERSTANDING

BETWEEN

BHARATI VIDYAPEETH'S DR. PATANGRAO KADAM MAHAVIDYALAYA, SANGLI. (MS)

AND

DR.SHIVAJIRAO KADAM COLLEGE OF PHARMACY, KASABE DIGRAJ, SANGLI.

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CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



cial Transformation Through Dynamic Education' Bharati Vidyapeeth's

Dr. Patangrao Kadam M.A., LL.B., Ph.D.

Dr. Patangrao Kadam Mahavidyalaya, Sangli

(Affiliated to Shivaji University) P.O. Box No. 74, Sangli - 416 416 Ph.: 0233-2535229, Fax: 2535993 E-mail: bvpkc\_sangli@yahoo.co.in, dgkanase@gmail.com Website: www.dpkmsangli.bharatividyapeeth.edu

by NAAC (3rd Cycle)

Ref. No. : BV/PKMS/939 /20 22-20 23

Date: 03/03/2023

### MEMORANDUM OF UNDERSTANDING (MoU)

BHARATI VIDYAPEETH'S DR. PATANGRAO KADAM MAHAVIDYALAYA, SANGLI.

And

DR. SHIVAJIRAO KADAM COLLEGE OF PHARMACY, KASABE DIGRAJ, SANGLI.

This is an agreement between Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli here in after called 'BVDPKMS' and Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj Sangli. Herein after called 'DSKCPKD'.

### PURPOSE:

This Memorandum of Understanding (MoU) establishes a cooperative relationship between Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli (BVDPKMS) and Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj Sangli. (DSKCPKD). Under this MoU, BVDPKMS and DSKCPKD will establish mutually beneficial links. Cooperative relationship with the aim of enhancing development of students in the field of Pharmacology.

#### 1. BACKGROUND:

A) Bharati Vidyapeeth, Dr. Patangrao Kadam Mahavidyalaya, Sangli was established in 1985 at Sangli (Sangliwadi). Hon. Dr. Patangrao Kadam's commitment to bring about "Social Transformation through Dynamic Education" has enabled college to achieve the highest pinnacle of the academic glory. BVDPKM campus conduct (Arts, Science and Commerce),





**Back To Index** 



### CRITERION 3: Research, Innovations and Extension 3.5: Collaboration

B.Sc. (Bachelor of Science), M.Sc. (Master of Science) and Doctorate (Ph. D.) programme are affiliated to the Shivaji University, Kolhapur.

Under the leadership and guidance of Dr. Patangrao Kadam, college has made its mark in Sangli region and it has developed a state of the art infrastructure and very well equipped research labs. Now BVDPKM has come to the fore-front as one of the leading Science colleges of Sangli within a span of 38 years. It has provided several competent and well-trained science professionals to the various fields of research and development, industries, teaching and many more.

### B) Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj Sangli.

Teerthankar Education Society has been working in the field of education for decades. People of Miraj, Sangli and surroundings have always been appreciative and supportive to the efforts of the Sanstha.. Our vision is to create future leaders who manage and create powerful organizations in the emerging corporate landscape. The curricula of all over long term programmes are industry oriented based on best global practices. Academic rigor is reflected in the course design and delivery of these programmes.

Under the leadership and guidance of Mr. R. J. Patil commitment to bring, Professional education centralized in corporate cities poor students of rural area are depraved from this on economy ground. Hence it's our attempt to take the Pharma professional education to doorsteps as village students, so that pharmacy education can be made more affordable and more accessible to them. We are running it as not only of profit institution but also charity institute.

### 3) COOPERATIVE RELATIONSHIP:

BVDPKM and DSKCPKD agree to form a cooperative relationship under this MoU for the purpose stated above. In furtherance of this agreement:

- a) Promoting interaction between BVDPKM and DSKCPKD in biologically important contents, authentication of medicinal plants, collection and extraction of medicinal plant
- b) Sharing knowledge and capability in the concerned areas for mutual benefits and become trusted partners in the area of knowledge enrichment.







CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

- c) Sharing of infrastructural facilities. Facilitate work from BVDPKM students/faculties and Vice versa on projects identified for collaborative benefits.
- d) To support the institute in following activities:
  - To encourage and develop students in the field of Pharmaceutical industrial practice.
     Organization of hands on training programs for faculty and students.
- To develop the skills and aptitude of students for enhancing their employability and entrepreneurial attitude by faculty exchange and student exchange.
- iii. Sharing academic facilities to conduct study visits and academic expertise, guest lectures and organize workshops, conclaves, seminars and trainings in mutual association, and internship for students.
- To spread awareness, provide encouragement and facilitate Publications, Products and Patents etc. by collaborative research activities
- v. Organization of Health awareness programs for society on various days like World Heart Day, Breast Feeding Day, National Nutrition Day, AIDS Day, Cancer Day, Diabetes Day etc. Organization of health checkup camps for faculty, employees, student s and their parents.
- e) In unforeseen circumstances MoU between parties can be terminated with prior consultation and mutual understanding

#### 2. GENERAL CONDITION:

The Memorandum of understanding (MoU) signed will be the guiding document for both the parties for execution of the actions and initiatives in the near future. Both the organizations will encourage its members to define the overall strategy and roadmap to carry out the action points contained in it and report on the progress achieved at regular intervals.

### 3. EFFECTIVE DATE:

This MoU will be effective upon the date of the final signature of this document for a period of five years with one-year extensions available upon written mutual agreement. Extensions become effective upon final signature of the appropriate parties.







### CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

Signature:

Bharati Vidyapeeth's Dr. Patangrao

E.mail: bv.dpkms/a/bharatividyapeeth.edu

Kadam Mahavidyalaya, Sangli.

Phone: 0233-2535229

Signature:

For

Dr. Shivajirao Kadam College of Pharmacy,

Kasabe Digraj Sangli.

Phone: tel:+91-9822194950

E.mail: skcopharmdeg@gmail.com

Name: Prof. D. D. Chougule

Designation: Principal

Name: Dr. D. G. Kanase

Designation: Principal

Date: 03/08/2028 Date: 03/08/2028

Signature: 5

Name: Dr. Pankaj Jadhav Designation:Vice- Principal

Date: 03/03/2023

Signature:

Name: Dr. A. R. Supale Designation: Vice-Principal

Date: 08 1081 2023

Signature: M

Witnessed By:

7

Name: Dr. Sandip Patil Designation: Associate Professor

Head, Department of Pharmacology

Date: 03 10812023

Name: Dr. V. B. Awale

Designation: Associate Professor Head, Department of Botany

Date: 08/01/2013

5





CRITERION 3: Research, Innovations and Extension

3.5: Collaboration



Teerthankar Education Society's

### Dr. Shivajirao Kadam College of Pharmacy

Baganwat Kasabe Digraj, Tal. Miraj, Dist. Sangli -416305 Website:www.skcp.org.inE-mail:skcopharmdeg@gmail.com Contact No:-9404398406

**Department: Pharmacy** 

### MOU WITH BHARATI VIDYAPEETH'S DR. PATANGRAO KADAM MAHAVIDYALAYA ON DATED: 03 MARCH 2023

### INDEX

Sr. No.	List of Activities	Activity Commenced on Date	Activity Completed on Date
1.	Authentication certificate for Centella Asiatica	24 October 2024	24 October 2024
2.	Authentication certificate for Carica Papaya L.	5 March 2023	5 March 2023



CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

Residence: Wing C/C, Siddhivinayakpurum, S. T. Colony, Dyaneshwar Chowk, Vishrambag, Sangli(MS).416416

Dr. Vikas B. Awale
M.Sc. Ph. D.
Head, Department of Botany,
Bharati Vidyapeeth's
Dr. Patangrao Kadam
Mahavidyalaya, Sangli.
vikasawale@gmail.com
Mobile No.9423037589
Reg. No. SUK/3108/2003
Date- 24/10/2024

#### AUTHENTICATION CERTIFICATE

This is certify that, I have examined a twig of specimen as well as observed a photograph of the plant brought by Miss Snehal Rajendra Patil, M. Pharm. II from Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli.

The specimen is observed by using standard floras Urb. in Mart. Fl. Bras.11: 287. 1879; Pradhan in Singh *et. al.* Fl. Maharashtra St. Dicot. 2: 97. 2001. *Hydrocotyle asiatica* L. Sp. Pl. 234. 1753; Cl. in Hook. f. Fl. Brit. India 2: 668. 1879; Cooke, Fl. Pres. Bombay 1: 598. 1958 (Repr.). Mandukparni.

Prostrate or creeping annual herbs. Stem rooting at nodes. Leaves broadly suborbicular to reniform, deeply cordate at base, glabrous on both surfaces, prominently veined; petioles forming sheathing base. Flowers in axillary umbel. Calyx campanulate. Petals minute, white or pink, ovate. Fruits ovoid, greenish-brown.

Fls. & Frts: Apr.-Dec.

Common in moist places.

Leaves have high repute in the manufacture of hair tonic and ayurvedic medicine.

Based on the above characters the specimen is *Centella asiatica* (L.), Urb belongs from Family-Apiaceae Vernacular Name-Mandukparni.

This identification made upon the request made by Miss Snehal Rajendra Patil, M. Pharm. II from Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli. is a part of her research project work to be submitted at the M. Pharm.II. Further I state that this letter is authentication is issued and to be used for academic purpose only.

(Dr. V.B. Awale)
HEAD
Department of Botany
r.Patangrao Kadam Mahavidyalay
SANGLI-416 416.

Exsiccata: VBA 421



### CRITERION 3: Research, Innovations and Extension

3.5: Collaboration

PROJCT WORK

FINAL YEAR B- PHARM 2022-23

Residence

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### AUTHENTICATION CERTIFICATE

This is certify that I have examined a fruit as well as observed the photograph of the plant brought by Mr. Sumit Shrikant Thorbole Final year B Pharm from Dr. Shivajorao Kadam College of Pharmacy, Kasbe Digraj, Sangli,

The fruit is observed by using standard floras via Carica papaya L. Sp. Pl.1753; Master in Hook f Fl Brit India 2:599.1879; Cooke Fl Pres. Bombay 1: 557. 1958 (Repr.); Venkanna & Prasanna in Singh et. al. Fl. Maharshtra St. Dicot 2:50. 2001; The Flora of Sangli District (Awale and Bachulkar, 2016, P 291). Papai

The specimen shows following charaterters-

Soft wooded, dioecious trees. Leaves palmi-nerved, palmatified, often 7-9 lobed, petioles fistular. Male flowers drooping in lax panicles. Female flowers subsessiles, 1-few-flowered corymbs in leaf axils. Fruits oblong-ovoid, with sweet, yellow, pulp. Seeds many, black, globose

Fls.& Fris: Throughout year.

Exsiccata: VBA 176

Native of Tropical America, grown for its fruits.

Based on the above information the specimen is Carica papya Linn belongs Family-Caraicaceae Vernacular name -Papai.

This identification made upon the request made by ,Mr. Sumit Shrikant Thorbole Final Year B-Pharm. From Dr. Shivajirao kadam College of Pharmacy Kasbe Digraj, Sangli, is authentication is issued and to be used for academic purpose only

(Dr.V.B.Awale)

PRINCIPAL, Dr. Shivajirao Kadam College of Pharmacy Kasabe-Digraj,Sang!

Dr. Vikas B. Awale

M.Sc.Ph.D.(Botany) Dr. Patangrao Kadam Mahavidyalaya, Sangli.

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