

Amrut Sevabhavi Sanstha, Parbhani's



**LATE KU DURGA K. BANMERU SCIENCE COLLEGE,
LONAR, DIST. BULDANA. 443302.**

(Affiliated to Sant Gadge Baba Amravati University, Amravati; UGC 2 (f) & 12 B;
NAAC Accredited with 'C' grade)

Department of Botany



Value Added Certificate Course in

"HERBAL MEDICINE"



By

Department of Botany,

**Late Ku. Durga K. Banmeru Science College,
Lonar, Dist. Buldana. Pin. 443302.**

Dec, 2019

ADVENTURE FOREVER
LONAR CRATER LAKE

**LATE KU DURGA K. BANMERU SCIENCE COLLEGE,
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Department of Botany

Course Objectives

- To develop the students for establishing the small scale Pharmaceutical Industry for production of Herbal Drugs.
- To encourage the students for Medicinal Plant farming.
- To inculcate the economic status of students.
- To conserve the traditional knowledge & folk medicine.
- To understand the advance instruments, formulation & its application in drug analysis.

Scope & Course Outcome

Upon completion of the course, the students shall be able to know the:

- Basic of Herbal Plant identification, plant parts, Classification of Drugs, Cultivation of Medicinal Plants, and Harvesting & Storage
- The course also covers the important aspects of ethno-medicine, traditional medicines & formulation, traditional system of therapy, preparation of herbal formulation.
- Ethno-medicine & folk medicine
- Knowledge of routinely used Ayurvedic & rare herbal drug plants & their parts
- Application & economic importance of Medicinal Plant
- Conservation strategies & sustainable utilization of Herbal Medicinal Plants.



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Department of Botany

Syllabus

Unit I: General Introduction & Identification of Local Herbal Medicine

Definition & History, scope of Herbal Medicine; System of Indian Medicines; Ayurveda, Homeopathy; Classification of crude drugs; Identification, local name, Botanical Name of Medicinal Plants.

Unit II: Traditional Uses of Herbal Medicine

Traditional knowledge & utility of some medicinal plants; Medicinally used plant parts: Roots, Stem, Barks, Leaves, Flowers, Fruits, Seeds; Ethno-medicine, Folk Medicine.

Unit III: Cultivation & Harvesting Management

Common cultivation Methods for local & rare herbal Medicinal Plants; Mass production of crude drugs; Harvesting of Medicinally used plant parts; Storage & Preservation.

Unit IV: Processing & formulation of Herbal Drugs

Introduction to Ayurvedic formulation with methods of preparation: Churna, Vati, Asava, Arishta, Taila & Bhasma; Preparation of Herbal Infusions: Decoctions, Lotions, Syrups, Poutties, Ointments, Oils.

Unit V: Application & Doses of Herbal Medicine

Methods of Disease Diagnosis & treatment; Application methods of common Herbal Medicinal Plants; Quality control & doses on particular diseases.

Unit VI: Conservation Strategies & Future Prospecting

Sustainable utility of Rare Herbal Plants, Conservation Strategies & Future Prospecting of Herbal Medicinal Plants.



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Department of Botany

Teaching & Examination Scheme

| Course | Teaching workload | Exam | | Grade System |
|---|------------------------------------|--|-------------------------|---|
| | | Theory (40 Marks) | Practical (60 Marks) | |
| Certificate Course in "Herbal Medicine" | 4 Lectures 1 Practical per week | 20 Multiple Choice Question (each for 2 Marks) | 4 practical | Marks 100-81: O Grade 80-71: A Grade 70-61: B Grade 60-51: C Grade 50-00: Fail |

Recommended Books/ References

- Indian Medicinal Plants by Vaidya Ratnam & P.S. Varires, Arya Vaidya Sale vol-4
- Ayurvedic Pharmacology & Therapeutic uses of Medicinal plants by Vaidya V. M. Gogte
- Medicinal Plants of India by Lal S. N.
- Charak Samhita on Ayurvedic text by Govt. of India
- Handbook of Medicinal Herbs by S. Bhattacharya
- The ayurvedic Pharmacopia of India by Govt. of India vol-5
- Indian Medicinal Plants- An Illustrated Medical Dictionary
- Economic Botany by Pande B. P.
- Economic Botany by Sen S.
- Cultivation of Medicinal Plants by C. K. Atal & B. M. Kapoor
- Database on Medicinal Plants Used in Ayurveda by K.V. Billore, M.B. Velne, T.J. Dennis & B.G. Chaudhari
- Encyclopedia Of Herbal Medicine: 550 Herbs and Remedies for Common Ailments Hardcover by Andrew Chevallier
- Handbook Of Medicinal Plants by U. S. Bose, Oxford Book Company

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Department of Botany

- Medicinal Plants Chemistry And Properties by Daniel M., Oxford & IBH Publishing Co.
- Medicinal Plants of India by Neeru Mathur, RBSA Publishers
- Cultivation of Medicinal & Aromatic Crops by A. A. Farooqi & B.S. Sreeramu, University Press
- Handbook of Herbal Medicinal Plants by L.D. Kapoor, Herbal Reference Library
- Identification of Common Indian Medicinal Plants by V. N. Naik, Scientific Publisher, Jodhpur, India
- Ethnobotany & Medicinal Plants of India & Nepal by V. Singh, Scientific Publisher, Jodhpur, India

HOD

Principal





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Department of Botany



Value Added Certificate Course in

“HERBAL MEDICINE”

Students Enrolled for Certificate Course

AY 2019-20

| Sr. No. | Name of Student | Class |
|---------|---------------------------|------------|
| 01 | Akash Kale | B. Sc. III |
| 02 | Vaibhav Hade | B. Sc. III |
| 03 | Akshay Gelda | B. Sc. III |
| 04 | Arati Ganjare | B. Sc. III |
| 05 | Avantika Nichang | B. Sc. III |
| 06 | Azqua Sabeen | B. Sc. III |
| 07 | Dhanashree Dole | B. Sc. III |
| 08 | Dhiraj Hade | B. Sc. III |
| 09 | Dipak Padmavat | B. Sc. III |
| 10 | Mangesh Hade | B. Sc. III |
| 11 | Nikita Dugad | B. Sc. III |
| 12 | Pooja Mapari | B. Sc. III |
| 13 | Priyanka More | B. Sc. III |
| 14 | Rohini Bodakhe | B. Sc. III |
| 15 | Sachin Gawali | B. Sc. III |
| 16 | Sagar Davhale | B. Sc. III |
| 17 | Shaikh Mufiz Shaikh Kabir | B. Sc. III |
| 18 | Shweta Adhao | B. Sc. III |
| 19 | Simran Aktar Khan | B. Sc. III |
| 20 | Akash Tatte | B. Sc. III |

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

**LATE KU. DURGA K. BANMERU SCIENCE COLLEGE,
LONAR, DIST. BULDHANA. 443302.**

&

**SWARANSH HERBOTECH LLP,
ALOE VERA PROCESSING INDUSTRY, LONAR**

FOR

**SKILL DEVELOPMENT, OUTCOME BASED
TRAININGS, PLACEMENT, R&D SERVICES AND
RELATED SERVICES**

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the **DAY OF** Sept – Two Thousand and Twenty (**/09/2020**), by and between

LATE KU. DURGA K. BANMERU SCIENCE COLLEGE, LONAR, THE FIRST PARTY represented herein by its **Dr. Prakash K. Banmeru** (hereinafter referred as '**First Party**', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR, THE SECOND PARTY, and represented herein by its Managing Director, **Dr. (Mrs.) Varsha Ashwin Mapari**, (hereinafter referred to as "**Second Party**", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as '**Parties**' and individually as '**Party**') as:

WHEREAS:

A) First Party is a Higher Educational Institution named:

(I) LATE KU. DURGA K. BANMERU SCIENCE COLLEGE, LONAR

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of **Skill Based Training, Education and Research**.

D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.

E) **SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R &D Services in the fields of **Aloe vera Processing Industry, Herbal Medicines/ Products** and related fields.



First Party



Second Party

- F) SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR, the Second Party is promoted by Dr. (Mrs.) Varsha Ashwin Mapari & Group, Lonar.
- G) Related information: The Second Party has well established Aloe Vera Processing Unit, who purchase & Process the *Aloe vera* from number of farmers. It has its own well trained qualified staff and engaged with to conduct the training program for freshers.

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

CLAUSE 1
CO-OPERATION

- 1.1 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 within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.
- 1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2
SCOPE OF THE MoU



First Party



Second Party

Page | 3

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight in to 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 industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites **for the hands-on training of the learners** enrolled with the First Party.
- 2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of Herbal Medicine.
- 2.5 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.6 **Guest Lectures:** First Party & Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.7 **Faculty Development Programs:** First Party & Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.
- 2.8 **Placement of Trained Students:** Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein
- 2.10 There is no financial commitment on the part of the **LATE KU. DURGA K. BANMERU SCIENCE COLLEGE, LONAR**, the First Party to take up any


First Party


Second Party

Page | 4

programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3
INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

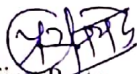
CLAUSE 4
VALIDITY

4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU.

4.2 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.

CLAUSE 5
RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.



First Party

(Authorized Signature)

First Party



Second Party

(Authorized Signature)

Swaransh Herbotech L.L.F.

Designated Partner / Aus

Second Party

Page 13

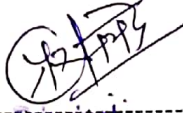
Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of Lonar.

AGREED:

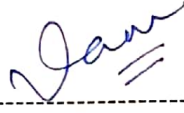
For **LATE KU. DURGA K. BANMERU**
SCIENCE COLLEGE, LONAR

Date - 28.09.2020

For **SWARANSH HERBOTECH LLP,**
ALOE VERA PROCESSING
INDUSTRY, LONAR INDUSTRY,
LONAR

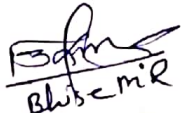


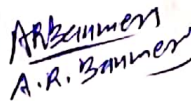
Principal
(Dr. P. K. Banmeru)
Late Ku Durga K. Banmeru
Science College, Lonar
Dist Buldhana

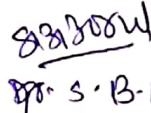



(Dr. (Mrs.) Varsha A. Murti)
Swaransh Herbotech L.L.P.
Designated Partner / Aus

| | |
|--|---|
| Name of Institution: LATE KU. DURGA K. BANMERU SCIENCE COLLEGE, LONAR | Name of Industry: SWARANSH HERBOTECH LLP, ALOE VERA PROCESSING INDUSTRY, LONAR |
| Address: Loni Road, Lonar, Dist. Buldhana. 443302. | Address: Hirdav Road, Lonar, Dist. Buldhana, 443302. |
| Contact Details: (07260) 221315 | Contact Details: 9604440700 |
| E-mails: lkdkbscl@rediffmail.com | E-mails: |
| Web: www.lkdkbanmerucollege.ac.in | Web: |

Witness 1: 
B. B. B. B.

Witness 3: 
(A. R. Banmeru)

Witness 2: 
S. B. B. B.

Witness 4: 
(M. S. P.)



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Department of Botany

Organize

Online Webinar for

Certificate Course in "HERBAL MEDICINES"

on 30th July, 2020 at 11 am

Resource Persons



Prof. Sushilkumar A. Shinde

Dept. of Pharmacognosy, Dr. Rajendra Gode College of Pharmacy, Malkapur.

Topic: Preparation, formulation & Standardization of Herbal Drugs



Dr. Pravin K. Banmeru

Banmeru Ayurvedic Panchkarm Chikitsalaya, Jalana.

Topic: Applications, Doses & Scope of Herbal Drugs



Dr. Sapana R. Waghmare

Ayurvedic Panchkarm Chikitsalaya, Jalana.

Topic: Methods of Disease Diagnosis, treatment & Conservation Strategies for Herbal Drugs

❖ **Registration Link:** <https://forms.gle/oZr4kbG87mkLdnzB6>

❖ The webinar will be conduct on **Google Meet:** <https://meet.google.com/jmx-rywg-vzt>

❖ Webinar is only for Students

Organizer

Dr. Mahendra R. Bhise

HOD

Dr. Prakash K. Banmeru

Principal

Department of Botany

Late Ku. Durga K. Banmeru Science College, Lonar. Dist Buldana.

For any query: Mo. 9420813844 e-mail: mahendrabhise17@gmail.com



Meet - jms-rywg-ctf

meet.google.com/jms-rywg-ctf?pli=1&authuser=0

Sushilkumar Shinde is presenting

Vaishnavi Amode and 70 more

11:18 AM

AYURVEDA- INDIAN SYSTEM OF MEDICINE

- ◆ In India it is an old system of treatment. It is 5500 years old. The word Ayurveda derived from two words i.e. "Ayur" meaning "Life" and "Veda" meaning "Science". Thus "Ayurveda" means "Science of Life".
- ◆ According to Indian Hindu Mythology there are four Vedas written by Aryans, i.e. **Rig-veda, Sham-veda, Yajur-veda and Atharva-veda**. Ayurveda is a part of Atharva-veda.
- According to Ayurveda, Health is defined as the balance state of **Tridoshas** i.e. Vata, Pitta and Kapha in the body, which is responsible for normal physiology of body and healthy condition of mind. Drugs of Ayurveda are obtained mostly from plants.

SAPNA WAGHMARE has left the meeting

Meeting details

Turn on captions

Sushilkumar Shinde is presenting

Meet - jms-rywg-ctf

meet.google.com/jms-rywg-ctf?pli=1&authuser=0

Sushilkumar Shinde is presenting

ASAVA AND ARISHTA

Asava and Arishta are very important dosage forms of Ayurveda. They contain naturally generated alcohol. This alcohol acts as the medium for active ingredients of the herbs to dissolve in it. In general, all Asava and Arishta have 5-10% of alcohol. Though these Ayurvedic medicines contain alcohol, they are quite safe to prescribe and to consume.

Method of Preparation of Arishta:

- ◆ First *Kashaya* is prepared by boiling herbs in water and filtered.
- ◆ To this filtered *kashaya*, specified amount of jaggery (*gud*) or sugar candy or honey is added. Mixed it well and then filtered it again.
- ◆ To this, fermenting agent i.e. *Dhatri* flower (*Woodfordia fruticosa*) or *Mudhatri* flower (*Madhua indica*) is added.
- ◆ To this above *Prakasha* *Dravya*, certain spices like black pepper, long pepper, clove, cinnamon, etc are added.
- ◆ Transformed it into the closed vessel at any place where temperature is around 35°C.

Meeting details

Turn on captions

Sushilkumar Shinde is presenting

Meeting details

People (75)

Chat

- Sonal Takarkhede
- Sushilkumar Shinde
- Sushilkumar Shinde (Presentat...
- Swagati Gewande
- Geeta parve
- TEJASWINI SHELE
- Vaibhav Nade
- Vaishnavi Amode
- Vidya Sattigoudar

Sushilkumar Shinde is presenting

• This is tested with the help of a ladle to determine the paaka (cooking stage). The paaka is categorized into mridu (soft), if the paste is waxy when rolled between fingers, madhyama (moderate), if the paste is hard and fires without cracking noise when put in to fire and khara (hard), if it burns with cracking sound when placed in fire.

• The ideal condition of the medicated oil is attained when uniform froth comes out and subsides in case of medicated ghee.

• Taila can be used internally and topically. They retain potency for about sixteen months. They are taken internally with warm water or warm milk.

Example of Taila: Bhartugvajya taila, Mahat Narayan taila, Laghu Visagabha taila, Anu-taila, Jyotismati taila, etc.

People (66)

Dr. Mahendra Bhoje (You)

atish praitagade

Aishwarya Patil

Akhlesh ramteke

Anand Tekade

Apurna Mand

Anna Raj

Asha bhagwale

Auratika Nishang

Darshana

Khodja Sarkar has left the meeting

Meet - jmr-tyag-01

meet.google.com/jmr-tyag-01?pli=1&authuser=0

Meeting details

People (31)

11:21 AM
all participants you can mute your video also so as to increase quality of meeting

You 11:47 AM
Dear participants if you have any question, you can post your question here in chat box

Prakash Samru 11:49 AM
Very nice organization

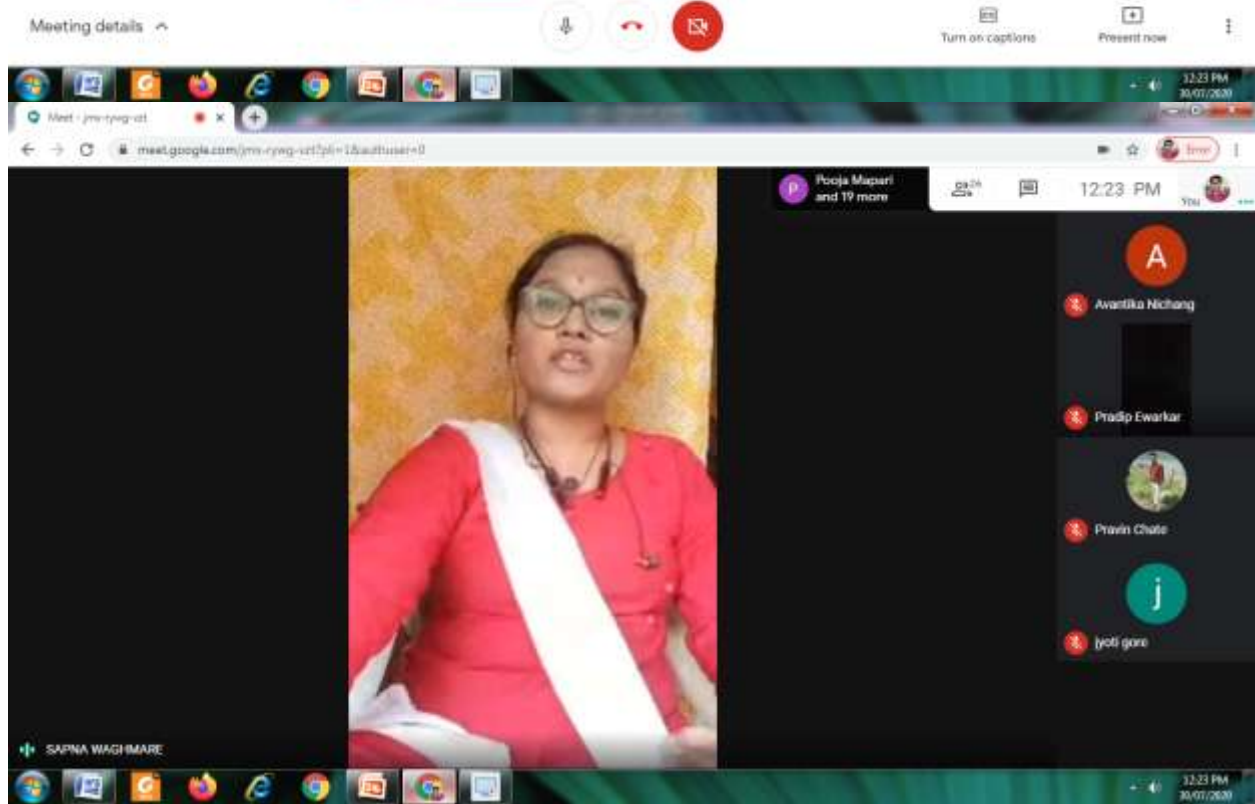
You 12:01 PM
Dear participants we have two more interesting lecture on Coaxase diagnosis & application of herbal medicine. so do not left earlier from the website.

Pravin Chate 12:02 PM
Osh. sh

Meeting details

Turn on captions Present now

12:11 PM 30/07/2020



Meet - jm-rywq-xtf

meet.google.com/jm-rywq-xtf?pli=1&authuser=0

Meeting details

People (23)

Chat

Add people

- Dr. Mahendra Bhoze (You)
- Aishwarya Patil
- Akhlesh ramraka
- Asha bogawale
- Avantika Nichang
- Dhanashree Hazare
- Dhruj Haste
- Dinkar Dole
- Dr. Mahendra Bhoze (Thursday, July 26, 2020)

prveen baneru

12:39 PM 30/07/2020

Meet - jm-rywq-xtf

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Meeting details

People (23)

Chat

Add people

- Dr. Mahendra Bhoze (You)
- Aishwarya Patil
- Akhlesh ramraka
- Asha bogawale
- Avantika Nichang
- Dhanashree Hazare
- Dhruj Haste
- Dinkar Dole
- Dr. Mahendra Bhoze

prveen baneru

12:39 PM 30/07/2020

Meet - jmn-rywg-ctf

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Meeting details

People (24) Chat

- priyanka salunkhe
- prveen barmanu
- SAPNA WASHMARE
- Shivshankar More
- Shriya Dalwad
- Shweta Adhar
- Sushikumar Shinde
- swati bisen
- Vidya Battigoodar
- Vidyasree Ugari

prveen barmanu

Webinar on Medicinal plants

12:42 PM 30/07/2020

Meet - jmn-rywg-ctf

Feedback form Webinar for "C" -

meet.google.com/jmn-rywg-ctf?pli=1&authuser=0

Meeting details

People (24) Chat

You 12:51 PM
Dear participants,
Please give you valuable feedback on today's webinar on HERBAL MEDICINE.
Click on below link After submitting feedback You will get Participation E-certificate on your Email.
<https://forms.gle/9uUWCViM5pJ9>
Thanks & Regards
Dr. Mahendra R. Bhave
HOD, Dept of Botany
Late H. Durga K. Barmanu Science College,
Laner Dist. Buldana.

DHANANJAY MENDKULE 12:51 PM
Very nice useful and informative session.

Meeting details

Turn on captions Present now

Send a message to everyone

1:01 PM 30/07/2020

Meet - jms-ryqg-xtl Feedback Form Webinar for 2020

meet.google.com/jms-ryqg-xtl?pli=1&authuser=0

Meeting details

People (24) Chat

You 12:36 PM
Dear participants,
Please give you valuable feedback on today's webinar on HERBAL MEDICINE.
Click on below link After submitting feedback You will get Participation E-certificate on your Email.
<https://forms.gle/9uJWCYVwM5pJ59>
Thanks & Regards
Dr. Mahendra R. Bhave
HOD, Dept of Botany
Late H.K. Durgu K. Barmans Science College,
Laner Dist. Buldana.

DHANANJAY MENDKULE 12:31 PM
Very nice useful and informative session

Meeting details Turn on captions Present now

1:01 PM 30/07/2020

Meet - jms-ryqg-xtl you take all in one share - Doc...

meet.google.com/jms-ryqg-xtl?authuser=0

Meeting details

People (9) Chat

You 2:07 PM
Dear participants,
Please give you valuable feedback on today's webinar on HERBAL MEDICINE.
Click on below link After submitting feedback You will get Participation E-certificate on your Email.
<https://forms.gle/9uJWCYVwM5pJ59>
Thanks & Regards
Dr. Mahendra R. Bhave
HOD, Dept of Botany
Late H.K. Durgu K. Barmans Science College,
Laner Dist. Buldana.

Pradip Bawarkar 2:01 PM
Very nice educational information

meeting.google.com - New - You're presenting to everyone Click here to return to the video call when you're ready to stop presenting

Dhanaj Hade

2:02 PM 30/07/2020

Meet - jms-rywg-xtl

meet.google.com/jms-rywg-xtl?authuser=0

Meeting details

People (8)

Chat

You 2:31 PM
Dear participants,
Please give you valuable feedback on today's webinar on HERBAL MEDICINE.
Click on below link After submitting feedback
You will get Participation E-certificate on your Email.
<https://forms.gle/5UJNC1YVWAK6J9>
Thanks & Regards
Dr. Mahendra R. Bhave
HOD, Dept of Botany
Late H.K. Durgis K. Bannars Science College,
Linar Dist. Buldhana.

Pradip Ewarar 2:31 PM
Very nice educational information

Sent a message to everyone

2:31 PM
30/07/2020

Meet - jms-rywg-xtl

meet.google.com/jms-rywg-xtl?pli=1&authuser=0

Meeting details

People (24)

Chat

- priyanka salunkhe
- prveen bannaru
- SAPNA WADHARE
- Shivshankar More
- Shriya Gaikwad
- Shweta Adhar
- Sushikumar Shinde
- swati bisen
- Vidya Sattigodar
- Vidyaashree Ugare

Meeting details

Webinar on Medicinal plants

Turn on captions

Present now

12:42 PM
30/07/2020



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Shweta Vilas Adhao B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "Herbal Medicines"
conducted by Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra. He/ She has earned 80% score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/1



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)

Department of Botany

Certificate Course in "HERBAL MEDICINES"

Certificate of Course Completion

This is to certify that,

Miss. Pooja Ramesh Mapari B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "Herbal Medicines"
conducted by Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra. He/ She has earned **72%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/2



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Nikita Anil Dugad B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **50%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/3



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)

Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Dipak Shankar Padmayat B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra.** He/ She has earned **80%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/4



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Sagar Dattatray Dayhale B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **76%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/5



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)

Department of Botany

Certificate Course in "HERBAL MEDICINES"

Certificate of Course Completion

This is to certify that,

Mr. Akash Vijaykumar Tatte B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **68%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise

HOD

Dr. Prakash K. Banmeru

Principal

Cert ID Bot/Med/2020/6



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Vaibhav Madhav Hade B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "Herbal Medicines"
conducted by Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra. He/ She has earned 60% score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/7



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Sachin Subhash Gawali B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **50%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/8



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)

Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Dhiraj Wamanrao Hade B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar, Dist. Buldana, Maharashtra.** He/ She has earned **76%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/9



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Akash Madhav Kale B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar, Dist. Buldana, Maharashtra.** He/ She has earned **50%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/10



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Simran Akhtar Khan B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **52%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/11



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Dhanashree Dinkar Dole B.Sc. III Sem VI



Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **88%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/12





Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Shaikh Mufiz Shaikh Kabir B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar, Dist. Buldana, Maharashtra.** He/ She has earned **68%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/13



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Priyanka Suresh More B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **84%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/14



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Avantika Ashok Nihang B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **72%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/15



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Azqua sabeen turab Ali Siddiqui B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra. He/ She has earned **60%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/16



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Akshay Ajitkumar Gelda B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **50%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/17



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Mr. Mangesh Chhagan Hade B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **56%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/18



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Arati Bhaskar Ganjare B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by **Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar.** Dist. Buldana. Maharashtra. He/ She has earned **50%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/19



Amrut Sevabhavi Sanstha Parbhani's

**LATE KU. DURGA K. BANMERU SCIENCE
COLLEGE, LONAR, DIST. BULDANA. 443302(M.S.)**

(Affiliated to Sant Gadge Baba Amravati University Amravati; UGC 2 (f) & 12 B; NAAC Accredited with 'C' grade)



Department of Botany

Certificate Course in "HERBAL MEDICINES"
Certificate of Course Completion

This is to certify that,

Miss. Rohini Tanhaji Bodkhe B.Sc. III Sem VI

Successfully completed Six weeks Certificate Course in "**Herbal Medicines**"
conducted by Department of Botany, Late Ku. Durga K. Banmeru Science College,
Lonar. Dist. Buldana. Maharashtra. He/ She has earned **72%** score in Exam
conducted on date: 07/08/2020.

Dr. Mahendra R. Bhise
HOD

Dr. Prakash K. Banmeru
Principal

Cert ID Bot/Med/2020/20