

DEPARTMENT OF BOTANY

Report on Career Oriented Course in "Identification and Uses of Medicinal Plants"

Title	Career Oriented Course in "Identification and Uses of Medicinal Plants"
Duration	10 th January 2023 to 10 th April 2023
Organizer	Department of Botany, P.V.P. Mahavidyalaya Kavathe Mahankal
Funding	--
BOS / Faculty	Asso. Prof. T. G. Patil Asso. Prof. Dr. B. T. Jadhav Mr. S. B. Patil Mr. S. M. Sabale
Coordinator	Asso. Prof. Dr. B. T. Jadhav
Background	Now days we should conduct a massive campaign to create awareness on importance of medicinal plants. The medicinal plant awareness programme carried out on student level can be more effective. So this course is intended.
Objective	<ul style="list-style-type: none">❖ To identify medicinal plants.❖ To create optimum awareness and interest amongst students for medicinal plants.❖ To conserve the biodiversity of medicinal plants.❖ To develop awareness for utilization of herbal medicine for home remedy.
Outcomes	<ul style="list-style-type: none">❖ To gain some basic knowledge of medicinal plants and how the medicinal plants are identified.❖ To have the skill of field work and understand the importance of field work.❖ To have knowledge about the collection and preservation techniques of medicinal plants.❖ To know about medicinal plant diversity, ancient medicinal systems and local healthcare.
Conclusion	Students got sufficient knowledge about medicinal plants and there uses. Course creates awareness about to conservation of medicinal plants. Thus this course is helpful and motivational for participated students.



Acting Principal

Padmabhushan Vasantraoada Patil
Mahavidyalaya, Kavathe Mahankal Dist. Sate.

Padmabhushan Vasantrodada Patil Mahavidyalaya, Kavathe Mahankal.

DEPARTMENT OF BOTANY

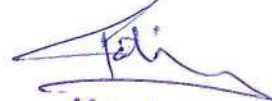
Report on Career Oriented Course in "Identification and Uses of Medicinal Plants"

Brief Summary

Sr. No.	Organizing department	Department of Botany			
1	Type of Activity	Career Oriented Course in "Identification and Uses of Medicinal Plants"			
2	Duration of Activity	10 th January 2023 to 10 th April 2023			
3	Venue	Botany Lab, Department of Botany			
4	Participation				
	Students	Male	Female	Total	
	B. Sc. III & B. Sc. II	05	32	37	
5	Result	A-Grade	B-Grade	C-Grade	Total
	B. Sc. III & B. Sc. II	37	0	0	37


Coordinator


Acting Principal
Padmabhushan Vasantrodada Patil
Mahavidyalaya, Kavathe Mahankal, Dist-Sangli


Head
Department of Botany
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist-Sangli

Department of Botany

Head of Department,
Department of Botany
P. V. P. Mahavidyalaya,
KavatheMahankal, Dist. Sangli,
Maharashtra 416405
Date: 03/01/2023

To,
The Principal,
Padmabhushan Vasantraodada Patil Mahavidyalaya,
KavatheMahankal, Dist. Sangli,
Maharashtra 416405

Subject: Seeking a permission to start the career-oriented course in
"Identification and Uses of Medicinal Plants".

Respected sir,

As per your guidelines we are going to start a career oriented course in "Identification and Uses of Medicinal Plants" in Department of Botany for our college students. This course will be of 48 hours and will be completed during January 2023 to April 2023. The course will be definitely very beneficiary for students.

I request you to give permission to start the above course in the Department.

Thanking you.

Yours faithfully,



Head

**Department of Botany
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist-Sangli**

Permission granted.



Acting Principal

**Padmabhushan Vasantraodada Patil
Mahavidyalaya, Kavathe Mahankal, Dist-Sangli**

Brochure

Shikshan Prasarak Sanstha's
Padmabhushan Vasantaoada Patil Mahavidyalaya



Kavathe Mahankal, Sangli
Affiliated to Shivaji University, Kolhapur

Department of Botany



Open for
Enrollment

A Career Oriented Course

in Identification and Uses of Medicinal Plants

Starting From 10 January 2023

Specifications:

- ❖ Well equipped labs
- ❖ Experienced teachers
- ❖ Free Certificate

Join Now

Contact us on:
Mob No. 9822495288

DEPARTMENT OF BOTANY

Identification and Uses of Medicinal Plants

Medicinal plants are considered as rich resources of ingredients which can be used in drug development either pharmacopial, non-pharmacopial or synthetic drugs. The plants that possess therapeutic properties beneficial pharmacological effects on the animal and human body are generally designated as medicinal plants. The plants serve as therapeutic agents as well as important raw materials for manufacture of traditional and modern medicine. In India the use of different parts of several medicinal plants to cure specific ailments from ancient time. The indigenous system of medicine namely Ayurvedic, Siddha, Buddha and Unani have been in existence for several centuries. But today we avoid the medicinal plants and accept the new pharmaceutical and synthetic medicinal practices which are not beneficial for human body. The pharmaceutical and synthetic medicine made some side effects on our body.

Now days we should conduct a massive campaign to create awareness on importance of medicinal plants. The medicinal plant awareness programme carried out on student level can be more effective, so in this awareness programme our institute starting a carrier oriented course in Identification and Uses of Medicinal Plants for students.

Aims and Objectives:

- ❖ To identify medicinal plants.
- ❖ To create optimum awareness and interest amongst students for medicinal plants.
- ❖ To conserve the biodiversity of medicinal plants.
- ❖ To develop awareness for utilization of herbal medicine for home remedy.

Duration:

The course will be completed in 50 hours (3 months).

Eligibility of the student:

- ❖ The student must have the basic knowledge of Botany.
- ❖ Student must have passed H. Sc. Examination.
- ❖ Student studying in institute for B.Sc.

Course outcomes:

By the end of this course students are expected,

- ❖ To gain some basic knowledge of medicinal plants and how the medicinal plants are identified.
- ❖ To have the skill of field work and understand the importance of field work.
- ❖ To know about the collection and preservation techniques of medicinal plants.
- ❖ To know about medicinal plant diversity, ancient medicinal systems and local healthcare.

Evaluation Method:

All the students will be continuously evaluated by,

1. Internal evaluation	10M
2. Theory examination	50 M
3. Practical examination	30 M
4. Oral	10M

100 M

Nature of Theory Question Paper.

Q. 1. 25 Multiple choice question. (50 marks)

Nature of practical Examination.

During Practical examination student have to perform three practical. Examination will be of five hours. Oral examination is conducted during practical exam.

Grades: A grade= above 60, B grade = above 50, C grade = above 40

Certification: A certificate will be issued on successful completion of the course.

CARRIER ORIENTED COURSE

Duration: 3 Months (50 Hours)

Syllabus - Theory (32 Hours)

Unit: 1 – Introduction to Medicinal Plants 11L

- 1.1 – Definition, History, Importance and Future Prospects
- 1.2 – Past and Present Status
- 1.3 – Medicinal Plant Diversity and Local Healthcare
- 1.4 – Medicinal Plant Conservation- issues and approaches
- 1.5 – Data Collection and representation

Unit: 2 – Medicinal Plants I 07L

- 2.1 – A brief account of following medicinal plants, their constituents used in indigenous system and their uses. Root: *Withania somnifera*, *Asparagus racemosus*
- 2.2 – Rhizome: *Zingiber officinale*, *Curcuma longa*
- 2.3 – Stem: *Tinospora cordifolia*, *Plumbago zeylanica*, *Azadirachta indica*
- 2.4 – Bark: *Cinnamomum verum*

Unit: 3 – Medicinal Plants II 07L


- 3.1 - A brief account of following medicinal plants, their constituents used in indigenous system and their uses. Leaf: *Aloe vera*, *Justicia adhatoda*, *Tridax procumbens*, *Tribulus terrestris*, *Calotropis gigantea*, *Piper betle*
- 3.2 – Flower bud: *Syzygium aromaticum*
- 3.3 – Flower: *Hibiscus rosa-sinensis*, *Rosa indica*, *Tagetes erecta*

Unit: 4 – Medicinal Plants III 07L

- 4.1 - A brief account of following medicinal plants, their constituents used in indigenous system and their uses. Fruit: *Aegle marmelos*, *Annona squamosa*, *Citrus medica*, *Terminalia arjuna*, *Emblica officinalis*
- 4.2 – Seed: *Abrus precatorius*, *Bixa orellana*, *Jatropha curcus*, *Trigonella foenum-graecum*

Practical (18 Hours)

1. Study of exomorphic characters: Study of stem, root, leaf, inflorescence, flower, fruit, and seed of any two medicinal plants.
2. Macroscopic and organoleptic evaluation of *Kalancho*, *Acorus*, *Syzygium cumini*, *Piper nigrum*
3. Microscopic evaluation of *Ficus*, *Foeniculum vulgare*.
4. Herbal preparation – Ointment.
5. Ethnobotanical study of *Santalum album* and *Morinda citrifolia*.
6. Taxonomical identification of medicinal plants.



Head
Department of Botany
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist-Sangli

Padmabhushan Vasantraodada Patil Mahavidyalaya, Kavathe Mahankal
DEPARTMENT OF BOTANY

Identification and Uses of Medicinal Plants

Theory Attendance

Sr. No.	Student Name	Date
1	Athavale Pramodini Savant	11/01/23
		16/01/23
		17/01/23
		18/01/23
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		25/01/23
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2	Bandgar Sarika Birbal	11/01/23
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3	Bhosale Sandhyarani Amol	11/01/23
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4	Bhusnar Snehal Namdev	11/01/23
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5	Choudhary Geeta Dayaram	11/01/23
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6	Deshinge Aditi Maruti	11/01/23
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7	Devkate Payal Balaso	11/01/23
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Sr. No.	Date	Student Name
8.	11/01/23	Dudhal Ratan Savanta
	16/01/23	Dudhal Ratan Savanta
	17/01/23	Dudhal Ratan Savanta
	18/01/23	Dudhal Ratan Savanta
	23/01/23	Dudhal Ratan Savanta
	24/01/23	Dudhal Ratan Savanta
	25/01/23	Dudhal Ratan Savanta
	31/01/23	Dudhal Ratan Savanta
	01/02/23	Dudhal Ratan Savanta
	06/02/23	Dudhal Ratan Savanta
9.	07/02/23	Jadhav Tejashri Raosaheb
	08/02/23	Jadhav Tejashri Raosaheb
	13/02/23	Jadhav Tejashri Raosaheb
	14/02/23	Jadhav Tejashri Raosaheb
	15/02/23	Jadhav Tejashri Raosaheb
	20/02/23	Jadhav Tejashri Raosaheb
	21/02/23	Jadhav Tejashri Raosaheb
	22/02/23	Jadhav Tejashri Raosaheb
	27/02/23	Jadhav Tejashri Raosaheb
	28/02/23	Jadhav Tejashri Raosaheb
10.	01/03/23	Jagtap Prajakta Yashwant
	06/03/23	Jagtap Prajakta Yashwant
	13/03/23	Jagtap Prajakta Yashwant
	14/03/23	Jagtap Prajakta Yashwant
	15/03/23	Jagtap Prajakta Yashwant
	20/03/23	Jagtap Prajakta Yashwant
	21/03/23	Jagtap Prajakta Yashwant
	27/03/23	Jagtap Prajakta Yashwant
	28/03/23	Jagtap Prajakta Yashwant
	29/03/23	Jagtap Prajakta Yashwant
11.	03/04/23	Jagtap Tejaswini Bharat
	05/04/23	Jagtap Tejaswini Bharat
	12.	Karande Rutuja Virendra
	13.	Kolekar Pranali Rajendra
	14.	Mangave Aishwarya Pravin
	15.	Mulani Sharmin Shoukat

Sr. No.	Student Name	Date	
16.	Nikam Gayatri Mohan	Genikam	11/01/23
		Genikam	16/01/23
		Genikam	17/01/23
		Genikam	18/01/23
		Genikam	23/01/23
		Genikam	24/01/23
		Genikam	25/01/23
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17.	Patil Pranali Laxman	Ppakil	11/01/23
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18.	Patil Rutuja Ashok	Ppakil	11/01/23
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19.	Patil Rutuja Shankar	Psp	11/01/23
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20.	Patil Sonal Shrikant	Ppakil	11/01/23
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21.	Patil Supriya Vijay	Ppakil	11/01/23
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22.	Patil Swapnali Uttam	SUPATHI	11/01/23
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23.	Pawar Kiran Tanaji	KTP	11/01/23
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		KTP	20/02/23

Sr. No.	Student Name	Date	
31.	Sonavane Pooja Shrikant	PSS	11/01/23
		PSS	16/01/23
32.	Surwanshi Pratiksha A.	PA	17/01/23
		PA	18/01/23
33.	Suryawanshi Nilima G.	Susyn	23/01/23
		Susyn	24/01/23
34.	Suryawanshi Rutuja R.	P	25/01/23
		P	31/01/23
35.	Sutar Nikita Nivrutti	Datol	01/02/23
		Datol	06/02/23
36.	Waghmare Aditya Dagadu	Adw	07/02/23
		Adw	08/02/23
37.	Yamgar Pooja Tatoba	PKhol	13/02/23
		PKhol	14/02/23


 Head

Sr. No.	Date Student Name	Date					
		12/01/23	27/01/23	03/02/23	17/02/23	03/03/23	24/03/23
18	Patil Rutuja Ashok	Patil	Patil	Patil	Patil	Patil	Patil
19	Patil Rutuja Shankar	Pspn	Pspn	Pspn	Pspn	Pspn	Pspn
20	Patil Sonal Shrikant	Patil	Patil	Patil	Patil	Patil	Patil
21	Patil Supriya Vijay	ABPatil	ABPatil	ABPatil	ABPatil	ABPatil	ABPatil
22	Patil Swapnali Uttam	SUPatil	SUPatil	SUPatil	SUPatil	SUPatil	SUPatil
23	Pawar Kiran Tanaji	KTP	KTP	KTP	KTP	KTP	KTP
24	Pawar Nikita Laxman	Pn	Pn	Pn	Pn	Pn	Pn
25	Salunkhe Sanika Kailas	Salunkhe	Salunkhe	Salunkhe	Salunkhe	Salunkhe	Salunkhe
26	Sapkal Rahul Gajanan	Pes	Pes	Pes	Pes	Pes	Pes
27	Savale Sakshi Arun	SA	SA	SA	SA	SA	SA
28	Shejal Sayajirao Laxman	Psn	Psn	Psn	Psn	Psn	Psn
29	Shinde Digamber Sambhaji	Seel	Seel	Seel	Seel	Seel	Seel
30	Shinde Shailaja Dilip	SPS	SPS	SPS	SPS	SPS	SPS
31	Sonavane Pooja Shrikant	PSS	PSS	PSS	PSS	PSS	PSS
32	Surwanshi Pratiksha A.	SA	SA	SA	SA	AB	SA
33	Suryawanshi Nilima G.	SuryN.	SuryN.	SuryN.	SuryN.	SuryN.	SuryN.
34	Suryawanshi Rutuja R.	Pn	Pn	Pn	Pn	Pn	Pn
35	Sutar Nikita Nivrutti	Datal	Datal	Datal	Datal	Datal	Datal
36	Waghmare Aditya Dagadu	Adw.	Adw.	Adw.	Adw.	Adw.	-AB-
37	Yamgar Pooja Tatoba	PKhel	PKhel	PKhel	PKhel	PKhel	PKhel


Head
Department of Botany
P.V.P. Mahavidyalaya
Kavathe Mahankal Dist-Sangli



Shikshan Prasarak Sanstha's
Padmabhushan Vasantraodada Patil Mahavidyalaya, Kavathe Mahankal
Affiliated to Shivaji University, Kolhapur

DEPARTMENT OF BOTANY

C E R T I F I C A T E

This is to certify that Mr./Miss/Mrs. *Athavale Pramodini Savant* of Class *B. Sc. II* has successfully completed the Short Term Career Oriented Certificate Course entitled 'Identification and Uses of Medicinal Plants', and secured grade "A" during the academic year 2022-23.

Course Co-Ordinator
Dr. B. T. Jadhav

Head
Department of Botany
Mr. T. G. Patil

Acting Principal
Prof. (Dr.) M. K. Patil