



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212



Email: ypmsolankur@gmail.com / ypms.436.el@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Criterion I

Curricular Aspects

Key Indicator – 1.2

Academic Flexibility

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
Shri. A. Y. Patil Secretary	Shri. R. Y. Patil Chairman	

1.2.1 Number of Add-On/ Certificate/ Value added programmes offered During the last five years

Name of Add on Course	Academic Year	Number of Programme
1. Soil and Water Analysis	2018-19	05
2. Vermiculture		
3. Ajibaicha Batava		
4. Mobile Repairing		
5. Physical Wellness		
1. Manufacturing of Soap and Detergent	2019-20	04
2. Poultry Farming		
3. Study of Indigenous Medicinal Plants		
4. Physical Fitness		
Nil	2020-21	00
1. Preparation of Hand Sanitizer	2021-22	05
2. Goat Farming		
3. Ethnobotanical Studies		
4. Telescope making		
5. Yoga and Meditation		
1. Studies on Fertilizer	2022-23	06
2. Apiculture		
3. Ethnobotany and Traditional Medicine		
4. Telescope making		
5. Physical Health		
6. Mathematics for Competitive Examination		
Sample of Add on Certificates		20

CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)



PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur



॥ GYAN SEVA TYAG ॥

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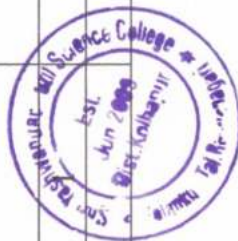


Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Add on Certificate Courses During 2018-19

Academic Year 2018-19						
Name of Add on Certificate programs offered	Department	Year of offering	No. of times offered during the same year	Duration of course (Hours)	Number of students enrolled in the year	Number of Students completing the course in the year
Soil and Water Analysis	Chemistry	2019	1	30	40	40
Vermiculture	Zoology	2019	1	40	40	40
Ajibaicha Batava	Botany	2019	1	35	30	30
Mobile Repairing	Physics	2019	1	32	8	8
Physical Wellness	Sports	2019		40	20	20
Total: 05					138	138





H. GYAN SEVA TYAGI

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

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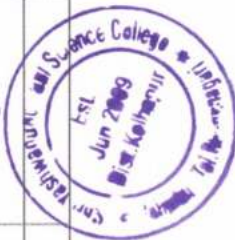


Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Add on Certificate Courses During 2019-20

Academic Year 2019-20						
Name of Add on /Certificate programs offered	Department	Year of offering	No. of times offered during the same year	Duration of course (Hours)	Number of students enrolled in the year	Number of Students completing the course in the year
Manufacturing of Soap and Detergent	Chemistry	2020	1	14	30	40
Poultry Farming	Zoology	2020	1	14	40	40
Study of Indigenous Medicinal Plants	Botany	2020	1	14	35	30
Physical Fitness	Sports	2020	1	4	40	20
Total: 04					130	130





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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Add on Certificate Courses During 2020-21

Academic Year 2020-21						
Name of Add on /Certificate programs offered	Department	Year of offering	No. of times offered during the same year	Duration of course (Hours)	Number of students enrolled in the year	Number of Students completing the course in the year
Nil		2021				
		2021				
		2021				
		2021				
		2021				
Total: 00						





॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

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Shri. A. V. Patil
Secretary

Shri. R. Y. Patil
Chairman

Add on Certificate Courses During 2021-22

Academic Year 2021-22						
Name of Add on /Certificate programs offered	Department	Year of offering	No. of times offered during the same year	Duration of course (Hours)	Number of students enrolled in the year	Number of Students completing the course in the year
Preparation of Hand Sanitizer	Chemistry	2022	1	14	30	40
Goat Farming	Zoology	2022	1	14	40	40
Ethnobotanical Studies	Botany	2022	1	14	35	30
Telescope Making	Physics	2022	-	-	32	19
Yoga and Meditation	Sports	2022	-	4	40	20
Total: 05					149	149





॥ GYAN SEVA TVAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Add on Certificate Courses During 2022-23

Academic Year 2022-23						
Name of Add on /Certificate programs offered	Department	Year of offering	No. of times offered during the same year	Duration of course (Hours)	Number of students enrolled in the year	Number of Students completing the course in the year
Studies on Fertilizer	Chemistry	2023	1	30	40	40
Apiculture	Zoology	2023	1	40	40	40
Ethnobotany and Traditional Medicine	Botany	2023	1	35	30	30
Telescope Making	Physics	2023	1	32	19	19
Physical Health	Sports	2023	1	40	20	20
Mathematics for Competitive Examination	Mathematics	2023	1	35	51	51
Total: 06					216	216



**Sample of Certificates of
Add on Course
2018-2019**

"DNYAN SEVA TYAG"
SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

WATER AND SOIL ANALYSIS

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS..... HAS PARTICIPATED IN

ADD ON COURSE ON "WATER AND SOIL ANALYSIS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 20.....- 20....


Head of Department
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.


Coordinator




Principal
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar, Dist. Kolhapur.



II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Smt _____ has
successfully completed the Add on Course on Vermiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2018-19.


Dr. V. M. Lagade
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY



Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY



Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR





SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Affiliated to Shivaji University, Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt _____ has

successfully completed the Addon Course on "Introduction and uses of Medicinal plants-Ajibaicha Batava" organised by Department of Botany, Shri Yashwantrao Patil Science College,

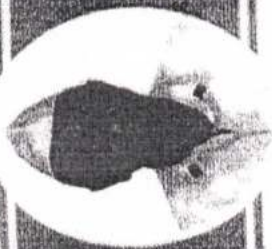
Solankur for the academic year of 20 -20

Dr. G. G. Chougale
Principal

Dr. S. V. Madhale
Head, Department of Botany



Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari



San Yashwantrao Patil Science Mahavidyalaya, Solapur

Department of Physics

Add-On Course on

MOBILE REPAIRING

Certificate

This is to certify that,

Mr./Miss /M^{rs}. **Shetti Shivani S.** student of B. Sc. Part I / II / III has
successfully completed add-on course conducted by Department of Physics during academic year **2017-18**

H^{is}/Her performance in the course is highly appreciated.

S. S. S.
Co-ordinator



S. S. S.
Head

S. S. S.
Principal

॥ GYAN SEVA TYAG ॥

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

CERTIFICATE

This is to certify that Mr/Smt_____ has successfully completed the Add on Course on Physical Wellness organized by Department of Physical Education And Sports, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2018-19.

Dr. Sushant T. Magdum
HEAD, DEPARTMENT OF
PHYSICAL
EDUCATION & SPORTS

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



**Sample of Certificates of
Add on Course
2019-2020**

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

Manufacture of Soap and Detergent

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS..... HAS PARTICIPATED

IN **ADD ON COURSE** ON "**MANUFACTURE OF SOAP AND DETERGENT**" ORGANIZED BY

DEPARTMENT OF CHEMISTRY OF SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE

ACADEMIC YEAR 20.....- 20....

Dr. B. S. Patil
Head
Department of Chemistry
**Shri Yashwantrao Patil Science
College, Solankur.**



Coordinator

Dr. B. S. Patil
Vc PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt _____ has
successfully completed the Add on Course on Poultry Farming organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2019-20.

Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY



Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Tal: Radhanagari, Dist: Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt _____ has successfully completed the Addon Course on "Study of Indigenous Medicinal Plants" organised by Department of Botany, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2021-22.



Dr. S. V. Madhale
Head, Department of Botany

Dr. G. G. Chougale
Principal



II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

CERTIFICATE

This is to certify that Mr/Smt _____ has
successfully completed the Add on Course on Yoga through Physical Fitness organized by Department of Physical Education And
Sports, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2019-20.

Dr. Sushant T. Magdum
HEAD, DEPARTMENT OF
PHYSICAL
EDUCATION & SPORTS

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



**Sample of Certificates of
Add on Course
2021-2022**

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

Preparation of Hand Sanitizer

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS..... HAS PARTICIPATED

IN **ADD ON COURSE ON "PREPARATION OF HAND SANITIZER"** ORGANIZED BY DEPARTMENT OF

CHEMISTRY OF SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR

20.....- 20....

Head of Chemistry Department
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator

Principal
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Affiliated to Shivaji University, Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt_____ has

successfully completed the Advance Course on Goat Farming organised by Department of Zoology,

Shri Yashwantrao Patil Science College, Solankur for the academic year of 20 -20

Dr. B. S. Wali

Head, Department of Zoology



Dr. G. G. Chougale

Principal





SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Tal: Radhanagari, Dist: Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt _____ has successfully completed the Addon Course on "Ethnobotanical Studies" organised by Department of Botany, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2019-20

Dr. S. V. Madhale
Head, Department of Botany

Dr. G. G. Chougale
Principal





" DYAN SEVA TYAG "

Shri Vyanknath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science Mahavidyalaya, Solankur

Department of Physics

Addon Course on

Telescope Making

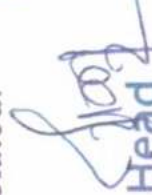
Certificate

This is to certify that,

Mr./Miss /Ms. **HASANE RAJAKTA**

student of B. Sc. Part I / II / III has successfully completed add-on course on Telescope making conducted by Department of Physics during academic year ... **2021-22** ...
His/Her performance in the course is highly appreciated.


Co-ordinator


Head
Department of
Physics




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar, Dist. Kolhapur.
Principal

II GYAN SEVA TYAG II

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

CERTIFICATE

This is to certify that Mr/Smt _____ has successfully completed the Add on Course on Yoga and Meditation organized by Department of Physical Education And Sports, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2021-22.

Dr. Sushant T. Magdum
HEAD, DEPARTMENT OF
PHYSICAL
EDUCATION & SPORTS

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



**Sample of Certificates of
Add on Course
2022-2023**

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

Studies on Fertilizers

DEPARTMENT OF CHEMISTRY



CERTIFICATE

..... HAS PARTICIPATED IN

THIS IS TO CERTIFY THAT MR./MISS.....

ADD ON COURSE ON "STUDIES ON FERTILIZERS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 20.....- 20....

Dr. D. V. Patil

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator

V. PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar, Dist. Kolhapur.



॥ GYAN SEVA TYAG ॥

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt _____ has
successfully completed the Add on Course on Apiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2022-23.

Dr. S. V. Bhosale
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY

Dr. B. S. Wali
HEAD,
DEPARTMENT OF ZOOLOGY

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR





SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Tal: Radhanagari, Dist: Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt _____ has successfully completed the Addon Course on "Ethnobotany and Traditional Medicine" organised by Department of Botany, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2022-23.



Dr. S. V. Madhale
Head, Department of Botany

Dr. G. G. Chougale
Principal





" DYAN SEVA TYAG "

Shri Vyanknath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science Mahavidyalaya, Solankur

Department of Physics

Addon Course on

Telescope Making

Certificate

This is to certify that,

Mr./Miss /Ms. **Patil Anuja Banderao**

student of B. Sc. Part I / II / III has successfully completed add-on course on Telescope making conducted by Department of Physics during academic year ... **2022-23**

His/Her performance in the course is highly appreciated.

Co-ordinator

Head
Department of
Physics



Principal
Shri Yashwantrao Patil Science College,
Solankur, Tal. Riadhanagari, Dist. Kolhapur.

॥ GYAN SEVA TYAG ॥

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

CERTIFICATE

This is to certify that Mr/Smt_____ has successfully completed the Add on Course on Physical Health organized by Department of Physical Education And Sports, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2022-23.

Dr. Sushant T. Magdum
HEAD, DEPARTMENT OF
PHYSICAL
EDUCATION & SPORTS

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR





II GYAN SEVA TYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF MATHEMATICS AND STATISTICS

CERTIFICATE

This is to certify that

from Shri. Yashwantrao Patil

Science College, Solankur has participated and completed a course on **“Mathematics for Competitive Examination”** from **06-02-2023** to **26-04-2023** organized by Department of Mathematics and Statistics.

MR. A. P. PATIL

Head

Department of Mathematics and Statistics



DR. GURUNATH G. CHOUGALE
PRINCIPAL

		II GYAN SEVA TYAG II Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
Shri. A. Y. Patil Secretary		Shri. R. Y. Patil Chairman	

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years.

Percentage: 18.81 %

Name of Add on Course	Academic Year	Number of Programme	Name of Department conducting	Total Student enrolled in Course
1. Soil and Water Analysis	2018-19	05	Chemistry	40
2. Vermiculture			Zoology	40
3. Ajibaicha Batava			Botany	30
4. Mobile Repairing			Physics	8
5. Physical Wellnes			Sports	20
1. Manufacturing of Soap and Ditergent	2019-20	04	Chemistry	40
2. Poultry Farming			Zoology	40
3. Study of Indigenous Medicinal Plants			Botany	30
4. Physical Fitness			Sports	20
1	2020-21	00	Nil	
2				



3				Nil
4				
1. Preparation of Hand Sanitizer	2021-22	05	Chemistry	40
2. Goat Farming			Zoology	40
3. Ethnobotanical Studies			Botany	30
4. Telescope making			Physics	19
5. Yoga and Meditation			Sports	20
1. Studies on Fertilizer	2022-23	06	Chemistry	40
2. Apiculture			Zoology	40
3. Ethnobotany and Traditional Medicine			Botany	30
4. Telescope making			Physics	8
5. Physical Health			Sports	20
6. Mathematics for Competitive Examination			Mathematics	51
Total Programmes of five years		20	Total Students	633


CO-ORDINATOR
 Internal Quality Assurance Cell (IQAC)
 Shri Yashwantrao Patil Science College
 Solankur, Tal. Radhanagari (M.S.)




PRINCIPAL
 Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Add on Certificate
Course**

Gyan Seva Tyag

Shri Vyanknath Shikshan Prasara Mandal's

Shri Yashwantrao Patil Science College, Solankur

Taluka: Radhanagari District: Kolhapur 416212

Add on Certificate Courses During 2018-19

Name of Add on /Certificate programs offered	Department	Course Start Date	Course End Date	Duration of course (Hours)	Number of students enrolled in Course
Soil and Water Analysis	Chemistry	08/08/2018	15/02/2019	30	40
Vermiculture	Zoology	08/12/2019	23/02/2019	40	40
Ajibaicha Batava	Botany	07/10/2018	20/01/2019	35	30
Mobile Repairing	Physics	03/08/2018	07/08/2018	32	8
Physical Wellness	Sports	20/07/2018	30/08/2018	40	20
Total: 05					138



CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)



PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur



|| Dnyan-seva-tyag ||

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE
SOLANKUR

TAL. RADHANAGARI, DIST. KOLHAPUR - 416212

PHONE - 02321 231561

Email ypsmsolankur@gmail.com

Affiliated to Shivaji University, Kolhapur

Department of Chemistry

Add on Course: - Soil and Water Analysis

(Academic Year-2018-19)

Topics

1. Introduction of soil and water analysis
2. Sample collection of soil and water
3. Soil analysis- micro and macronutrients
4. Water analysis- physical and chemical parameters
5. Visit to water analysis center R. H. Solankur

Duration

Duration is of 30 lectures in whole academic year.

Guest Faculty and Faculty In-charge

Year	Admitted Students	Guest Lecturers Invited	Faculty Incharge
2018-19	40	Dr. S. N. Zende (DMB)	Mr. P. S. Pawar

Course start date and end date

Year	No. of Students enrolled	Start date	End date	Hours engaged
2018-19	40	08/08/2018	15/02/2019	30

Inauguration: - In-Charge Principal Dr. G. G. Chougale

Certificate were distributed at the end of the course.

Dr. P. S. Pawar
Head
Department of Chemistry



Dr. G. G. Chougale
1/c PRINCIPAL
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur

Syllabus

Topics

1. Introduction of soil and water analysis
2. Sample collection of soil and water
3. Soil analysis- micro and macronutrients
4. Water analysis- physical and chemical parameters
5. Visit to water analysis center R. H. Solankur

Practical

1. Water analysis physical analysis
2. Water analysis chemical analysis
3. Soil sample collections
4. Soil analysis

Time: - Every Saturday 12.00p.m. onwards

Work distributions

Year 	2018-19
Faculty 	
Dr. G. G. Chougale	5- Lectures
Mr. J. K. Chavan	5- Lectures
Dr. A. D. Kamble	5- Practicals
Mr. S. D. Gorshetwar	5- Practicals
Mr. P. S. Pawar	5- Practicals
Dr. N. V. Junghare	5- Practicals
Dr. S. N. Zende (DMB)	2- lectures



Head

Department of Chemistry




PRINCIPAL
Shri Yashwantrao Pali Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Soil and Water Analysis

Soil and water analysis are essential components of environmental and agricultural studies. These analyses provide valuable information about the composition, quality, and health of soil and water, which is crucial for various applications such as agriculture, environmental monitoring, and resource management.

Soil Analysis:

1. pH Level:

- Measures the acidity or alkalinity of the soil. Different crops thrive in different pH ranges, so adjusting soil pH can be important for plant growth.

2. Nutrient Content:

- Determines the levels of essential nutrients like nitrogen, phosphorus, potassium, calcium, and magnesium. This information helps in optimizing fertilization practices.

3. Organic Matter:

- Indicates the amount of decomposed plant and animal material in the soil, contributing to soil fertility and structure.

4. Texture:

- Describes the proportions of sand, silt, and clay in the soil. It influences water retention, drainage, and nutrient availability.

5. Cation Exchange Capacity (CEC):

- Reflects the soil's ability to retain and exchange essential nutrients for plant uptake.

6. Microbial Activity:

- Assesses the presence and activity of microorganisms in the soil, which influence nutrient cycling and organic matter decomposition.

7. Contaminant Levels:

- Identifies the presence of pollutants such as heavy metals, pesticides, and other harmful substances.

Water Analysis:

1. pH and Temperature:

- Similar to soil, pH is crucial in water, affecting aquatic life. Temperature influences the metabolic rates of aquatic organisms.

2. Dissolved Oxygen (DO):

- Measures the amount of oxygen dissolved in water, vital for the survival of aquatic organisms.

3. Nutrient Levels:

- Includes testing for nutrients like nitrogen and phosphorus, which can cause eutrophication if present in excess.

4. Turbidity:

- Indicates the cloudiness or haziness of a fluid caused by large numbers of individual particles.

5. Conductivity:

- Reflects the water's ability to conduct an electric current, which can be related to the concentration of ions.

6. Total Suspended Solids (TSS):

- Measures the concentration of suspended particles in water.

7. Pathogen Presence:

- Detects the presence of harmful microorganisms like bacteria and viruses that can pose a risk to human health.

8. Heavy Metal Analysis:

- Identifies the presence of toxic heavy metals such as lead, mercury, and cadmium.

Regular soil and water analysis helps in making informed decisions regarding land use, crop selection, and water management. It also plays a crucial role in environmental conservation and protection.

Dave
Head
Department of Chemistry



IL
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

Add on Certificate Course on Soil and Water Analysis

Academic Year 2018-19

Date: 20/08/2018

NOTICE

All the students of B. Sc. III Chemistry are hereby informed that Department of Chemistry has organized "**Add on course on Soil and Water Analysis**" from **Saturday, 25/08/2018**. Interested students are informed that they should remain present for course on time at Chemistry Department.


Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.




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Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

Add on Certificate Course on Soil and Water Analysis

Academic Year 2018-19

Sr. No.	Name of Students	Class	Signature
1	Bhabhar Kisan S.	B.Sc. III	KBha
2	Bisade Harshvadhao L.	---	HLBha
3	Chavan Prathamesh D.	---	Pchavan
4	Chopade Digambar P.	---	DChopade
5	Chougale Adinath S.	---	ASC
6	Chougale Akash V.	---	AVChg
7	Chougale Nilesh B.	---	NBChougale
8	Chougale Omkar M.	---	OMChg
9	Chougale Prakash B.	---	PChougale
10	Chougale Prasad B.	---	PChougale
11	Chougale Pavi S.	---	PChougale
12	Chougale Rohan S.	---	RChougale
13	Chougale Sanjay S.	---	SChougale
14	Chougale Sneha D.	---	SChougale
15	Chougale Swapnil S.	---	SChougale
16	Chougale Snehal L.	---	SChougale
17	Chougale Sheher -	---	Sheher



18	Devadekar Akshay B.	B.Sc. III	Akshay
19	Dhanawade Akash M.	—	AMDH
20	Dhanan priyadarshi P.	—	Dhanan
21	Di Dipak Hari	—	DDH
22	Dige Ranjit S.	—	Ranjit
23	Ekal Abhijit Tanaji	—	Abhijit
24	Fendkar Rohit D.	—	R.R.D.
25	Gond Adinath A.	—	Gond
26	Gurav Omkar D.	—	Gurav
27	Gurav Sumeet R.	—	Gurav
28	Jadhav Ketan K.	—	K.K.J.
29	Jadhav Nikhil H.	—	Nikhil
30	Jadhav Rohit Shamsad	—	Rohit
31	Jadhav Vishal B.	—	Vishal
32	Jamadar Sainay S.	—	Sainay
33	Jalag Sonabhi T.	—	Jalag
34	Kamble Rohit S.	—	Rohit
35	Khade Karan V.	—	Karan
36	Khade Rajat D.	—	Rajat
37	Khade Snehal A.	—	Snehal
38	Kothavale Akshay B.	—	Kothavale
39	Kothavale Akshay P.	—	Akshay
40	Khatangle Subhash S.	—	Subhash

D. S. S.

Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



S. V.

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagan, Dist. Kolhapur.

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16 PRINCIPAL
Shri Yashwantrao Pali Science College,
Solankur, Tal. Radhanagar, Dist. Kolhapur.



2/2/20

**Head
Department of Chemistry**

"DNYAN SEVA TYAG"
SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE
ON

SOIL AND WATER ANALYSIS

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS..... HAS PARTICIPATED IN

ADD ON COURSE ON "SOIL AND WATER ANALYSIS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 20.18.- 20.1.9

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator

Principal
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

SOIL AND WATER ANALYSIS

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MRS. Birade Harshawdhan..... HAS PARTICIPATED IN

ADD ON COURSE ON "SOIL AND WATER ANALYSIS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 2018.- 2019



Principal

Head

Department of Chemistry

Shri Yashwantrao Patil Science College, Solankur

Department of Chemistry

Shri Yashwantrao Patil Science College, Solankur

Principal
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur

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SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

SOIL AND WATER ANALYSIS

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT ~~MR.~~ MISS Chougale Sneha D. HAS PARTICIPATED IN

ADD ON COURSE ON "SOIL AND WATER ANALYSIS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 2018 - 2019

[Signature]

Head

Department of Chemistry
Shri Yashwantrao Patil Science College, Solankur.



[Signature] PRINCIPAL

PRINCIPAL

Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Some photographs of Soil analysis and Water Analysis



Dr. S. D. Dhole
Head
Department of Chemistry



Principals
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solapur, Tal. Radhanagari, Dist. Kolhapur.

Add on Certificate Course
On
Vermiculture



Add on Certificate Course On

Vermiculture

Organized by

Department of Zoology

Course Incharge

Dr. V.M.Lagade

Course Duration: 08 Dec 2018 - 24 Feb 2019



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Syllabus

Add on Certificate Course on Vermiculture
Academic Year 2018-19

Total Hrs- 40

Theory:

1. Rearing of earthworm
2. Types of earthworm species
3. Production of Vermicompost
4. Vermicompost as a biological fertilizer
5. Applications

Practical:

1. Vermiculture techniques
2. Rearing of earthworm




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Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

**Add on Certificate Course on Vermiculture
Academic Year 2018-19**

Objectives:

1. To produce organic manure
2. To convert agricultural wastes into value-added product.
3. To generate additional income for farmers



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Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

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Add on Certificate Course on Vermiculture
Academic Year 2018-19

Sr.No	CONTENT
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2.	Syllabus
3.	Objectives
4.	Time Table
5.	List of Participants
6.	Attendance
7.	Question Paper
8.	Result
9.	Report
10.	Certificate

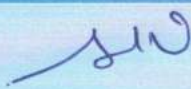
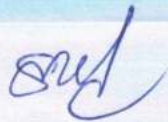
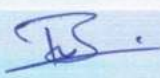
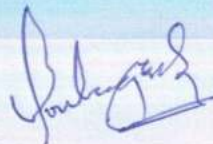
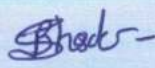
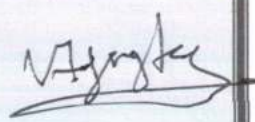


Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Vermiculture

2018-19

Board of Studies

Sr.No.	Name	Designation	Current status	Signature
1.	Dr. G.G. Chougale	I/C Principal	Chairperson	
2.	Dr. S.V. Madhale	IQAC Coordinator	Member	
3.	Dr. B.S. Wali	Head, Dept. of Zoology	Member	
4.	Dr.V.M.Lagade	Asst. Professor, Dept. of Zoology	Member	
5.	Dr.S.V. Bhosale	Asst. Professor, Dept. of Zoology	Member	
6.	Dr.V.A. Jagatap	Asst. Professor, Dept. of Zoology, K.H.College,Gargoti	Expert	



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Vermiculture
Academic Year 2018-19

Date:05/12/2018

NOTICE

All the students of B. Sc. III and II are here by informed that Department of Zoology has organized "Add on Certificate Course on Vermiculture " from Saturday 08 December 2018. Interested students are informed that they should remain present for course on time.




Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Vermiculture

Theory and Practical
Time Table: 2018-19

Date	Time	Theory/Practical	Name of Faculty
08/12/2018	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
08/12/2018	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
15/12/2018	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
15/12/2018	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
22/12/2018	01:00 to 3:00 pm	Theory	Dr.B.S. Wali
22/12/2018	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale
05/01/2019	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
05/01/2019	03:00 to 5:00 pm	Practical	Dr. B. S. wali
12/01/2019	01:00 to 3:00 pm	Theory	Dr. V.A. Jagtap
12/01/2019	03:00 to 5:00 pm	Practical	Dr. V. A. Jagtap
19/01/2019	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
19/01/2019	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
02/02/2019	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
02/02/2019	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
09/02/2019	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
09/02/2019	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade



Shri Vyankanth Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Vermiculture

Time Table-2018-19

Theory & practical

December, January and February

Time Table	2 nd Saturday 08/12/2018	3 rd Saturday 15/12/2018	4 th Saturday 22/12/2018	1 st Saturday 05/01/2019	2 nd Saturday 12/01/2019	3 rd Saturday 19/01/2019	1 st Saturday 02/02/2019	2 nd Saturday 09/02/2019	3 rd Saturday 16/02/2019	4 th Saturday 23/02/2019
Theory 1:00 to 03:00	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.V.A. Jagtap	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.V.M. Lagade
Practical 3:00 to 05:00	Dr.V.M. Lagade	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.V.A. Jagtap	Dr.B.S. Wali	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.S.V. Bhosale

Dr. B.S.Wali

Dr. V.M.Lagade

Dr. S.V.Bhosale

(Signature)
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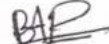
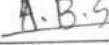
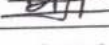
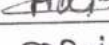
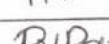
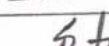
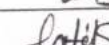
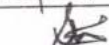
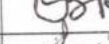
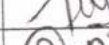
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Head

Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Vermiculture
2018-19

ADMISSIONS FOR VERMICULTURE

Sr. No.	Name of Student	Class	Signature
1.	Bavadekar Amit Prakash	B.Sc.III	
2.	Dhavare Shubham Chandrakant	B.Sc.III	
3.	Sutar Amol Balkrishana	B.Sc.III	
4.	Sonagekar Omkar Satappa	B.Sc.III	
5.	Gurav Shweta Santosh	B.Sc.III	
6.	Patil Sayali Sambhaji	B.Sc.III	
7.	Bhopale Punam Pandurang	B.Sc.III	
8.	Chougale Amruta Dattatray	B.Sc.III	
9.	Dewale Pooja Eknath	B.Sc.III	
10.	Farakate Punam Ananda	B.Sc.III	
11.	Gojare Vaishnavi Sadashiv	B.Sc.III	
12.	Gurav Dhanashri Prakash	B.Sc.III	
13.	Kamble Dhanashri Maruti	B.Sc.III	
14.	Kamble Punam Rangrao	B.Sc.III	
15.	Kumbhar Shubhangi jotiram	B.Sc.III	
16.	Patil Dhanashri Dattatray	B.Sc.III	
17.	Patil Sushant Sanjay	B.Sc.III	
18.	Patil Tejashri Tanaji	B.Sc.III	
19.	Patil Dipali Vishnu	B.Sc.III	
20.	Patil Kavita Sambhaji	B.Sc.III	
21.	Patil Prajкта Sunil	B.Sc.III	
22.	Patil Ravina Ananda	B.Sc.III	



23.	Patil Shubhangi Keraba	B.Sc.III	<u>SK Patil</u>
24.	Patil Sumit Subhash	B.Sc.III	<u>SS</u>
25.	Patil Ujjvala Kerba	B.Sc.III	<u>Ujjvala</u>
26.	Pokarnekar Vasundhara Hindurao	B.Sc.III	<u>Vasundhara</u>
27.	Shinde Dhanashri Krushnat	B.Sc.III	<u>Shinde</u>
28.	Sutar Nita Dattatray	B.Sc.III	<u>Nita</u>
29.	Teli Akash Ramesh	B.Sc.III	<u>Akash</u>
30.	Tembugade Suman Sambhaji	B.Sc.III	<u>M.S. Sute</u>
31.	Thorvat Madhuri Pandurang	B.Sc.III	<u>Thorvat</u>
32.	Bodake Ramesh Shankar	B.Sc.II	<u>R.S.B.</u>
33.	Chougale Tushar Vishwas	B.Sc.II	<u>Satur</u>
34.	Delekar Prashant Sanjay	B.Sc.II	<u>Delekar</u>
35.	Hirugade Ankush Ashok	B.Sc.II	<u>Hirugade</u>
36.	Jadhav Vishwajit Tanaji	B.Sc.II	<u>Vish</u>
37.	Kalvikatte Vikas Gundurav	B.Sc.II	<u>Vikas</u>
38.	Mirajkar Sayali Dattatray	B.Sc.II	<u>Sayali</u>
39.	Morbale Sujit Kashinath	B.Sc.II	<u>Sujit</u>
40.	Nille Rima Mahesh	B.Sc.II	<u>Rima</u>



JS.

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankannath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Vermiculture

2018-19

Attendance Report

December, January and February

Sr. No.	Name of the Student	2 nd Saturday 08/12/2018	3 rd Saturday 15/12/2018	4 th Saturday 22/12/2018	1 st Saturday 05/01/2019	2 nd Saturday 12/01/2019	3 rd Saturday 19/01/2019	1 st Saturday 02/02/2019	2 nd Saturday 09/02/2019	3 rd Saturday 16/02/2019	4 th Saturday 23/02/2019
1.	Bavadekar Amit Prakash	BAF	BAF	BAF	BAF	BAF	BAF	BAF	BAF	BAF	BAF
2.	Dhaware Shubham Chandrakant	DSC	DSC	DSC	DSC	DSC	DSC	DSC	DSC	DSC	DSC
3.	Sutar Amol Balkrishana	AB.S	AB.S	AB.S	AB.S	AB.S	AB.S	AB.S	AB.S	AB.S	AB.S
4.	Sonagekar Omkar Satappa	SOP	SOP	SOP	SOP	SOP	SOP	SOP	SOP	SOP	SOP
5.	Gurav Shweta Santosh	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
6.	Patil Sayali Sambhaji	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP	SSP
7.	Bhopale Punam Pandurang	BPP	BPP	BPP	BPP	BPP	BPP	BPP	BPP	BPP	BPP
8.	Chougale Amruta Dattatray	ADC	ADC	ADC	ADC	ADC	ADC	ADC	ADC	ADC	ADC
9.	Dewale Pooja Eknath	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali	PR.Bali
10.	Farakate Punam Ananda	R.PatiS	R.PatiS	R.PatiS	R.PatiS	R.PatiS	R.PatiS	R.PatiS	Ab	R.PatiS	R.PatiS



11.	Gojare Vaishnavi Sadashiv	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
12.	Gurav Dhanashri Prakash	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
13.	Kamble Dhanashri Maruti	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
14.	Kamble Punam Rangrao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
15.	Kumbhar Shubhangi Jotiram	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR	SKUMBHAR
16.	Patil Dhanashri Dattatray	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
17.	Patil Sushant Sanjay	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
18.	Patil Tejashri Tanaji	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
19.	Patil Dipali Vishnu	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
20.	Patil Kavita Sambhaji	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
21.	Patil Prajakta Sunil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
22.	Patil Ravina Ananda	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
23.	Patil Shubhangi Keraba	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
24.	Patil Sumit Subhash	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
25.	Patil Ujjvala Kerba	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
26.	Pokarnekar Vasundhara Hindurao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
27.	Shinde Dhanashri Krushnat	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
28.	Sutar Nita Dattatray	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
29.	Teli Akash Ramesh	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil



30.	Tembugade Suman Sambhaji	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019	17.8.2019
31.	Thorvat Madhuri Pandurang	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
32.	Bodake Ramesh Shankar	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
33.	Chougale Tushar Vishwas	Solene	Solene	Solene	Solene	Solene	Solene	Solene	Solene	Solene	Solene	Solene
34.	Delekar Prashant Sanjay	Ab	Delekar	Delekar	Delekar	Delekar	Delekar	Delekar	Delekar	Delekar	Delekar	Delekar
35.	Hirugade Ankush Ashok	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
36.	Jadhav Vishwajit Tanaji	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
37.	Kalvikaite Vikas Gundurav	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
38.	Mirajkar Sayali Dattatray	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
39.	Morbale Sujit Kashinath	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
40.	Nille Rima Mahesh	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB



(Signature)

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Vermiculture
Academic Year 2018-19

Question Paper

Time: 12:00 pm to 2:00pm

Max marks: 50

Sunday

Q. No 1: Write any three (long questions) (30)

- Describe the process of production of vermicompost.
- What are the conditions required for rearing of earthworms for vermicomposting?
- What is vermiculture? Which are the species of earthworms that are more suitable for vermiculture?
- What are the factors affecting vermiculture?

Q. No 2: Write any four (short questions) (20)

- Raw materials of vermiculture
- How earthworms are useful for human beings?
- Uses of vermicompost
- Characters of *Eisenia foetida*
- Vermiculture techniques



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Marklist
Add on Certificate Course on Vermiculture
Academic Year 2018-19

Sr.No.	Name of the Student	Q. No 1	Q. No 2	Total
1.	Bavadekar Amit Prakash	24	17	41
2.	Dhavare Shubham Chandrakant	22	18	40
3.	Sutar Amol Balkrishana	25	16	41
4.	Sonagekar Omkar Satappa	24	16	40
5.	Gurav Shweta Santosh	23	17	40
6.	Patil Sayali Sambhaji	25	16	41
7.	Bhopale Punam Pandurang	21	18	39
8.	Chougale Amruta Dattatray	26	16	42
9.	Dewale Pooja Eknath	23	18	41
10.	Farakate Punam Ananda	22	17	39
11.	Gojare Vaishnavi Sadashiv	24	16	40
12.	Gurav Dhanashri Prakash	21	18	39
13.	Kamble Dhanashri Maruti	25	16	41
14.	Kamble Punam Rangrao	24	17	41
15.	Kumbhar Shubhangi Jotiram	22	18	40
16.	Patil Dhanashri Dattatray	23	18	41
17.	Patil Sushant Sanjay	24	17	41
18.	Patil Tejashri Tanaji	25	16	41
19.	Patil Dipali Vishnu	21	18	40
20.	Patil Kavita Sambhaji	24	17	41



21.	Patil Prajkta Sunil	25	16	41
22.	Patil Ravina Ananda	23	17	40
23.	Patil Shubhangi Keraba	21	18	39
24.	Patil Sumit Subhash	26	18	43
25.	Patil Ujjvala Kerba	24	17	41
26.	Pokarnekar Vasundhara Hindurao	23	16	39
27.	Shinde Dhanashri Krushnat	25	17	42
28.	Sutar Nita Dattatray	24	16	40
29.	Teli Akash Ramesh	26	15	41
30.	Tembugade Suman Sambhaji	23	17	40
31.	Thorvat Madhuri Pandurang	25	16	41
32.	Bodake Ramesh Shankar	22	18	41
33.	Chougale Tushar Vishwas	24	16	40
34.	Delekar Prashant Sanjay	23	18	41
35.	Hirugade Ankush Ashok	21	18	39
36.	Jadhav Vishwajit Tanaji	22	18	40
37.	Kalvikatte Vikas Gundurav	24	17	41
38.	Mirajkar Sayali Dattatray	25	16	41
39.	Morbale Sujit Kashinath	23	18	41
40.	Nille Rima Mahesh	25	17	42



[Signature]

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

REPORT
Add on Certificate Course on Vermiculture
Academic Year 2018-19

Vermiculture or Culture of Earthworms



Vermiculture is raising of earthworms for decomposition of organic waste to nutrients for plant growth. Vermiculture forms the manure with rich nitrogen content and P, K nutrients are more in vermicompost. It helps to enriches the soil which leads to improve fertility of soil. By this process one can produce eco-friendly bio fertilizers. It helps for soil aeration and increase water holding capacity.

Vermicompost is nothing but excreta of earthworm, which contains humus. Earthworms feed on dung, manure, municipal wastes and liquid waste, garbage of household can be converted into vermicompost.





Shri. Yashwantrao Patil Science College, Solankur. Department of Zoology has open this course for B.Sc. III and B.Sc. II year students. This course was conducted during the academic year 2018-19. During this course lectures, practical's and field visit were conducted by department. For this course 40 students were enrolled from B.Sc. II and B.Sc. III. Dr. B. S. Wali, Dr. V. M. Lagade and Dr. S. V. Bhosale conducted the practical's and theory period.

After completing the course students understand the potential of vermiculture as an alternative to chemical fertilizers, role of vermiculture in environment protection, managing waste how it will helpful for maintaining the health of soil and ultimately health of human beings.



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.



II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./smt Patil Rushant Sanjay has
successfully completed the Add on Course on Vermiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2018-19.

Dr. V. M. Lagade
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY

Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY



Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



॥ GYAN SEVA TYAG ॥
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr./Smt Deewale Pooja Ekzath has
successfully completed the Add on Course on Vermiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2018-19.

Dr. V. M. Lagade
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY

Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY

Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



**SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR**

DEPARTMENT OF BOTANY
Academic year-2018-19

Introduction and Uses of
Medicinal Plants

AJIBAICHA BATAVA

Course Coordinator
Dr. S. V. Madhale

Course Started on: 07th Oct., 2018
Course Ended on: 30th Jan, 2019



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Introduction and uses of Medicinal plants- Ajibaicha Batava”

Ajibaicha Batava is a Marathi term that indicates the household medicines which are in use for generations. It is an introductory add-on course for B.Sc. students that aims to introduce students to the world of medicinal plants, their uses, and their importance.

The Western Ghats is a mountain range that runs along the western coast of India. It is home to a wide variety of medicinal plants, many of which are unique to the region. These plants have been used for centuries by local communities to treat a variety of ailments.

This course is particularly important for students living in the Western Ghats because of the region's rich biodiversity of medicinal plants. The course will provide students with the knowledge and skills they need to identify, use, and cultivate medicinal plants sustainably.

This knowledge can be used to improve the health and well-being of local communities. It can also be used to develop new herbal products and medicines. In addition, the course can help to raise awareness of the importance of conserving medicinal plants in the Western Ghats.

TOPICS

This course will cover a variety of topics related to medicinal plants, including:

1. Introduction and Types of Medicinal plants
2. Chemical content of Medicinal plants
3. Diseases and use of different medicinal plants
4. How to use medicinal plants
5. Visit to forest to study wild medicinal plants

The course will also include a hands-on component, where students will learn how to identify, collect, and prepare medicinal plants.

DURATION

Seven Sundays during each year (7days)




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

FACULTY

Sr. No.	Faculty
1	Dr. S. V. Madhale
2	Dr. M. S. Sutare
3	Dr. S. P. Dorugade

VISITING FACULTY:

Sr. No.	Name	College
1	Dr. P. D. Shiraganve	Devchand college, Arjunnagar
2	Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
3	Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara.

COURSE WORK LOAD

Total hours of teaching: 25 (including field visit and test)

Teacher name	Lecture	Practical	Total hours
Dr. S. V. Madhale	2 hrs.	12 hrs	14 hrs.
Dr. M. S. Sutare	2 hrs.	12 hrs	14 hrs.
Dr. S. P. Dorugade	4 hrs.	08 hrs	12 hrs
		Total	40 hrs.

Course started on 07th Oct., 2018

Inauguration by In- charge Principal Dr. G.G.Chougule

Certificates were distributed at the end of the course.



Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
	Shri. A. Y. Patil Secretary	

Date: 12/09/2018

DEPARTMENT OF BOTANY

Academic Year: 2018-19

NOTICE

This is to inform all the B. Sc. students that the admission process for the Add on course "Introduction and uses of Medicinal plants-Ajibaicha Batava" has started. The course will start on 07/10/2018 and the last date of admission is 01/10/2018.

Interested students should enrol to the Department of Botany by the last date of admission.

For more information, please contact Dr. S V. Madhale, Head, Department of Botany.




Head,
 Department of Botany,
 Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2018-19

Add on Course

“Introduction and uses of Medicinal plants- Ajibaicha Batava”

SYLLABUS

1. Introduction and Types of Medicinal plants
2. Chemical content of Medicinal plants
3. Diseases and use of different medicinal plants
4. How to use medicinal plants
5. Visit to forest to study wild medicinal plants

PRACTICAL

1. Extraction of Medicines
2. Preparation of medicines
3. Application and dosage of medicines
4. Storage and quality maintenance




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Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2018-19

Add on Course

“Introduction and uses of Medicinal plants- Ajibaicha Batava”

BOARD OF STUDIES

Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
Dr. P. D. Shirgave	Devachand College, Arjunnagar
Dr. S. V. Madhale	Shri Yashwantrao Patil Science College, Solankur
Dr. M. S. Sutare	Shri Yashwantrao Patil Science College, Solankur
Dr. S. P. Dorugade	Shri Yashwantrao Patil Science College, Solankur




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2018-19

Add on Course

“Introduction and uses of Medicinal plants- Ajibaicha Batava”

TIMETABLE

Time	Activity	07/10/2018	21/10/2018	04/11/2018	18/11/2018	02/12/2018	16/12/2018	06/01/2019	20/01/2019
11:00-11:50 am	Lecture	SVM	MSS	SPD	SVM	SPD	MSS	SPD	SPD
12:00-03: 00 pm	Practical/ Field work	SPD	SVM	MSS	MSS	SPD	SVM	SVM	MSS




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ATTENDANCE **ACADEMIC YEAR 2018-2019**

Sr.no.	Name of Student	07/10/2018	21/10/2018	04/11/2018	18/11/2018	02/12/2018	16/12/2018	06/01/2019	20/01/2019
1.	Bailkar Akshata Ashok	AB	AB	AB	AB	AB	AB	AB	AB
2.	Chogale Gurudev Dhanaji	CD	CD	CD	CD	CD	CD	CD	CD
3.	Gore Tauhid Amir	AR	AR	AR	AR	AR	AR	AR	AR
4.	Kumbhar Ambika Vitthal	ARN	ARN	ARN	ARN	ARN	ARN	ARN	ARN
5.	Nalang Ashwini Rangrao	AR	AR	AR	AR	AR	AR	AR	AR
6.	Patale Jayashri Sunil	AR	AR	AR	AR	AR	AR	AR	AR
7.	Patil Bhagyashri Mansing	AR	AR	AR	AR	AR	AR	AR	AR
8.	Patil Madhavi Vishwas	AR	AR	AR	AR	AR	AR	AR	AR
9.	Patil Swati Ashok	AR	AR	AR	AR	AR	AR	AR	AR
10.	Patil Varsha Subhash	AR	AR	AR	AR	AR	AR	AR	AR
11.	Patil Vishal Dattatray	AR	AR	AR	AR	AR	AR	AR	AR
12.	Pokam Sujata Pandurang	AR	AR	AR	AR	AR	AR	AR	AR
13.	Salokhe Varsharani Vasant	AR	AR	AR	AR	AR	AR	AR	AR
14.	Sutar Gita Sanjay	AR	AR	AR	AR	AR	AR	AR	AR
15.	Sutar Shubham Dilip	AR	AR	AR	AR	AR	AR	AR	AR
16.	Patil Tejaswini Rangarao	AR	AR	AR	AR	AR	AR	AR	AR
17.	Patil Tushar Tanaji	AR	AR	AR	AR	AR	AR	AR	AR
18.	Adake Mohini Uday	AR	AR	AR	AR	AR	AR	AR	AR
19.	Shipekar Dhiraj Dilip	AR	AR	AR	AR	AR	AR	AR	AR
20.	Arade Nutan Bajirao	AR	AR	AR	AR	AR	AR	AR	AR
21.	Belekar Jyoti Bandopant	AR	AR	AR	AR	AR	AR	AR	AR
22.	Bharamal Sangram Madhukar	AR	AR	AR	AR	AR	AR	AR	AR
23.	Bharankar Dhanshri Balawant	AR	AR	AR	AR	AR	AR	AR	AR
24.	Bhingarde Akshay Jagannath	AR	AR	AR	AR	AR	AR	AR	AR
25.	Thasildar Viraj Vishwanath	AR	AR	AR	AR	AR	AR	AR	AR
26.	Tipugade Komal Krishnat	AR	AR	AR	AR	AR	AR	AR	AR
27.	Wale Nilesh Prakash	AR	AR	AR	AR	AR	AR	AR	AR
28.	Wani Jyoti Ramesh	AR	AR	AR	AR	AR	AR	AR	AR
29.	Abdar Digambar Anil	AR	AR	AR	AR	AR	AR	AR	AR
30.	Abdar Sourabh Balaso	AR	AR	AR	AR	AR	AR	AR	AR

(Signature)
Teacher in Charge

Department of Botany,
Shri. Vaswantrao Patil Science College,
Solankur, Tal. Padhanagari

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India), Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cla@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
	Shri. A. Y. Patil Secretary	

Date: 15/01/2018

DEPARTMENT OF BOTANY

Academic Year: 2018-19

Add on Course

"Introduction and uses of Medicinal plants- Ajibaicha Batava"

NOTICE

This is to inform all the enrolled students of the Add on course "Introduction and uses of Medicinal plants- Ajibaicha Batava" that the final examination for the said course will be held on 30/01/2019 at 11:30 am.

All the enrolled students should be present at Department of Botany 30 minutes before given time.




 Head,
 Department of Botany,
 Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari

DEPARTMENT OF BOTANY

ADD ON COURSE EXAMINATION- 2018-19

“Introduction and uses of Medicinal Plants-Ajibaicha Batava”

Time: - 1 hr.

Marks: 25

Q-1. Write short notes on any THREE of the following: [15]

- a) Neem plant
- b) Medicinal content of clove plant
- c) Chemical content of Neem plant
- d) Human Diseases and Medicinal plants
- e) Garlic

Q-2. Attempt any ONE of the following: [10]

- a) Write the botanical name, classification plant part used and medicinal uses of Tulsi plant.
- b) Write the botanical name, classification plant part used and medicinal uses of turmeric plant.




Head,
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Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Introduction and uses of Medicinal plants- Ajibaicha Batava”

RESULT

Sr.no.	Name of Student	Marks
1.	Bailkar Akshata Ashok	20
2.	Chogale Gurudev Dhanaji	16
3.	Gore Tauhid Amir	18
4.	Kumbhar Ambika Viththal	20
5.	Nalang Ashwini Rangrao	22
6.	Patale Jayashri Sunil	18
7.	Patil Bhagyashri Mansing	17
8.	Patil Madhavi Vishwas	20
9.	Patil Swati Ashok	20
10.	Patil Varsha Subhash	18
11.	Patil Vishal Dattatray	20
12.	Pokam Sujata Pandurang	23
13.	Salokhe Varsharani Vasant	18
14.	Sutar Gita Sanjay	20
15.	Sutar Shubham Dilip	22
16.	Patil Tejaswini Rangarao	18
17.	Patil Tushar Tanaji	20
18.	Adake Mohini Uday	24
19.	Shipekar Dhiraj Dilip	18
20.	Arade Nutan Bajirao	21
21.	Belekar Jyoti Bandopant	23
22.	Bharamal Sangram Madhukar	18
23.	Bharankar Dhanshri Balawant	20
24.	Bhingarde Akshay Jagannath	22
25.	Thasildar Viraj Vishwanath	18
26.	Tipugade Komal Krishnat	19
27.	Wale Nilesh Prakash	23
28.	Wani Jyoti Ramesh	18
29.	Abdar Digambar Anil	20
30.	Abdar Sourabh Balaso	20




Head,

Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

Department of Physics

Shri Yashwantrao Patil Science College,
Solankur
Academic Year 2018-19

NOTICE

Date: - 27/07/2018

All Students of B.Sc. I, II, III are hereby informed that Physics departmental add-on course '**Mobile Repairing**' is going to start on **03/08/2018**. We are intended to teach mobile handling and repairing by the expert. So, those are interested to take an admission in it, please contact to Physics department.




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur

Department of Physics

Mobile repairing: add-on course

Now days, *Mobile* has been a needy gadget for communication. It succeeds to replace various equipments and devises such as morning alarm, reminder diary, camera, music system and so on. It clears the importance of the mobile in the human life. Furthermore, mobile is a delicate device and needed to take care a lot, because a small damage can make a device non-workable. Such damaged device needed to repair. As, on today each person carries the mobile i.e. mobile/person is ~1, then mobile repairing techniques course can offer worth income source. So, 'Department of Physics' engaged to conduct the add-on college level mobile repairing course for the students. Such course provides them knowledge to take care of their own personal mobile, repair it if it get spoiled as well as can offer an income business.

Course schedule:

- **Admission:** we admit the students in the month of July immediately after their admission in the college.
- **Lectures:** Department conducts the lecture on mobile repairing techniques on successive seven *Sundays*. It includes five days lectures, two days practicals and a day written and oral test.
- **Resource persons:** We invite the expert resource person from outside for lectures and to conduct practicals.

Sr. No.	Academic Year	No. of admitted students	Course duration
1.	2015-16	10	19 July -30 August
2.	2016-17	9	24 July - 4 September
3.	2017-18	16	6 August-24 September
4.	2018-19	08	03 Aug - 07 Sep. 2018



Head
Department of Physics

Department of Physics
Mobile repairing: add –on course

List of enrolled students

2018-19

Names/Dates	Sign
Durugale Abhishek	<i>Abi b</i>
Chougale Dhiraj	<i>Dhiraj</i>
Dhenge Sautai	<i>Dhenge</i>
Kene Dayanand	<i>Di</i>
Mudholkar Amol	<i>Amudholkar</i>
Jadhav Sumit	<i>Si</i>
Bartakke Rahul	<i>Rahul</i>
Chougale Sushant	<i>Sushant</i>



[Signature]
Head
Department of Physics
Sri Y P Science College, Solankur

Mobile Repairing Course Syllabus

Hardware

Level 1

1. Introduction to Mobile Phone
2. Basic Electronics
 - a. Current
 - b. Voltage
 - c. Resistor
 - d. Transistor
 - e. Capacitor
 - f. Diode
 - g. Inductor / Coil
 - h. Transformer
 - i. Integrated Circuit
 - j. Speaker / Ringer
 - k. Microphone
 - l. Vibrate Motor
 - m. Display
 - n. Drivers
 - o. Power Switch
 - p. Fuse
 - q. Using Multitmeter
 - r. Real Time Clock and Quartz Crystal
2. Construction of Battery Booster, Charger and its uses.
3. Assembling and Disassembly of Mobile Phone.



Department of
Physics

Level 2

1. Basic and Special Components of Mobile Phone.
2. Checking the Basic Component of Mobile Phone and its Faults.
3. Technique of Soldering and using SMD Rework Station.
4. Water Damage and Washing of Mobile Phone with CTC.

Level 3

1. Introduction to SMD Components.
2. Testing of SMD components.
3. BGA IC Reballing and Installing.
4. Installing and Removing Connector, Display flex, Folding and Sliding Handset Flex Cable.
5. Circuit Tracing of Different Section of Mobile Phone.
 - a. Charging Section
 - b. Network Section
 - c. Keypad Section
 - d. Display Section
 - e. Speaker and Ringer Section
 - f. Blue Tooth Section
 - g. Infra red Section
 - h. Light Section
 - i. Mic Section
6. Different Models and Series of Nokia Mobile and their differences.
7. Different ICs and its Uses.
8. Checking Shorting and Technique to Remove.
9. Hot and Cold Testing.
10. Voltage Tracing and different volts used in Mobile Phone.
11. Jumpers and its Technique.
12. Dead set Repairing.
13. Fault Findings.



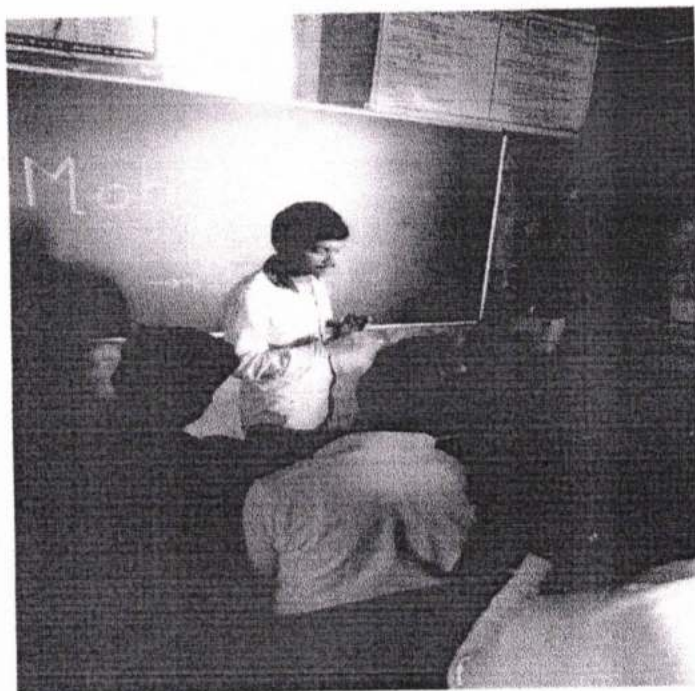
Department of
Physics

Software

1. Basic Parts of Computer and their uses.
2. Making Ringtone, Sing tone, Editing Video Clip.
3. Downloading through Blue tooth, Data cable, and Card reader.
4. How Mobile Phone Work.
5. Flashing and its Related Faults.
6. Different Types of Flasher Box.
7. Flashing and Formatting through UFS HWK Flasher Box, SPIDERMAN BOX.
8. Knowledge about IMEI, IMEI, ESN, PIN, PUK, MTSO, SECURITY LOCK, DEFAULT CODES OF DIFFERENT MOBILES, Factory Restore.

Department of
Physics





Dr. T. R. Choudhary, Dist. Kolhapur
 Yashwantrao Pawar Science College
 P. N. S. P. A. L.



Department of Physics

Mobile repairing: add –on course

Attendance

2018-19

Names/Dates	03/08/2018	10/08/2018	17/08/2018	24/08/2018	31/08/2018	07/09/2018
Durugale Abhishek	<u>Abib</u>	<u>Abib</u>	<u>Abib</u>	<u>Abib</u>	<u>Abib</u>	<u>Abib</u>
Chougale Dhiraj	<u>Baib</u>	<u>AB</u>	<u>Baib</u>	<u>Baib</u>	<u>Baib</u>	<u>Baib</u>
Dhenge Sautai	<u>Dhenge</u>	<u>Dhenge</u>	<u>Dhenge</u>	<u>Dhenge</u>	<u>Dhenge</u>	<u>Dhenge</u>
Kene Dayanand	<u>Das</u>	<u>Das</u>	<u>Das</u>	<u>AD</u>	<u>Das</u>	<u>Das</u>
Mudholkar Amol	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>
Jadhav Sumit	<u>Si</u>	<u>Si</u>	<u>Si</u>	<u>Si</u>	<u>Si</u>	<u>Si</u>
Bartakke Rahul	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>
Chougale Sushant	<u>Sushant</u>	<u>Sushant</u>	<u>Sushant</u>	<u>Sushant</u>	<u>Sushant</u>	<u>AD</u>




 Head
 Department of Physics
 Shri Y P Science College, Solapur





Department of Physics

Add-On Course on

MOBILE REPAIRING

Certificate

This is to certify that,

Mr./M~~is~~/M^s. **Mudholkar Amol T.** student of B. Sc. Part I / II / III has
successfully completed add-on course conducted by Department of Physics during academic year **2018-19**.....

His/Her performance in the course is highly appreciated.


Co-ordinator




Head


Principal



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)



Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

DEPARTMENT OF SPORTS AND PHYSICAL EDUCATION
YPSC, SOLANKUR

“Certificate Course of Physical Wellness”

YEAR 2018-19

TOPICS

1. Define the term Physical Wellness
2. Discuss the function of the cardiovascular system during exercise
3. Discuss how running, swimming and strength training can be used as effective tools to develop and maintain strength
4. Describe the benefits that flexibility can have on overall health
5. Describe the benefits of calisthenic and plyometric exercise on muscular strength, endurance and power
6. Describe the effects that training in extreme environments can have on the body
7. Describe a range of common injuries that occur during physical training and the best ways to prevent and treat them
8. Discuss the effects of performance enhancing substances and the beneficial and adverse effects linked to them

PROGRAMME DURATION: Minimum duration to complete this program is 03 months.

CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)




PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

REGISTRATION: The registration date for this programme is start by the first week of first semester of the college

OBJECTIVES:

- To enable the student to have good health
- To practice mental hygiene
- To possess emotional stability
- To integrate moral values.
- To attain higher level of consciousness

EXAMINATION & CERTIFICATION: After completion of 03 months training program exam will be conduct and get certificate to passed students.

OUTCOMES OF THE PROGRAMMES – Improved health and mental hygiene, increased emotional stability and attain higher level of consciousness, integrate moral values.

FACULTY

Sr. No.	Faculty
1	Dr. S. T. Magdum



SYLLABUS

Introduction and Importance of Physical Fitness

Exercise Physiology

In this module learn about exercise physiology and it covers topics such as Muscle Structure and Function; Principles of Physical Training; Physical Training Methods. This module includes learning outcomes and lesson summary units.

Cardiovascular Training

In this module learn about cardiovascular training and it covers topics such as Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints. This module includes learning outcomes and lesson summary units

Running Safely

In this module learn about running safely and it covers topics such as Running Gear; Running Mechanics; Distance Building. This module includes learning outcomes and lesson summary units.

Strength Training

In this module learn about strength training and it covers topics such as Strength Training Terms; Muscular Balance; Diet and Exercise. This module includes learning outcomes and lesson summary units.

Calisthenics

In this module you about calisthenics and it covers topics such as Strength Development; and Calisthenic Exercises. This module includes learning outcomes and lesson summary units.

Plyometrics

In this module learn about plyometrics and it covers topics such as Plyometrics Training. This module includes learning outcomes and lesson summary units.

Training in Challenging Environments

In this module learn about training in challenging environments and it covers topics such as Training in Warm Environments; Training in Cool Environments; Training at High Altitudes. This module includes learning outcomes and lesson summary units.

Preventing & Treating Injuries

In this module learn about preventing & treating injuries and it covers topics such as Treating Inflammation Injuries; Treating Skeletal Injuries; Injury Management. This module includes learning outcomes and lesson summary units.

Performance-Enhancing Substances

In this module learn about performance-enhancing substances and it covers topics such as Using Anabolic Steroids; Hormones and Stimulants. This module includes learning outcomes and lesson summary units.



PRACTICAL

6. Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints
7. Running Mechanics
8. Muscular Balance; Diet and Exercise.
9. Calisthenic Exercises
10. Plyometrics Training

COURSE WORK LOAD

Total hours of teaching: 40 (including Lecture and Practical)

Teacher name	Lecture	Practical	Total hours
Dr. S. T. Magdum	20 hrs.	20 hrs.	40 hrs.

VISITING FACULTY

Sr. No.	Name	College
1	Dr. Prashant Patil	Cha.Shahaji College Kolhapur
2	Dr. Rahul Magdum	Shivraj College Gudhinglaj
3	Dr. Dhananjay Patil	Ajara mahavidhyalaya, Ajara.



Course started on 10 July 2018
Inauguration by In- charge Principal Dr. G.G.Chougule

REGISTERED STUDENTS ACADEMIC YEAR 2018-2019

Sr.No.	Students Name	Class
1	Jadhav Nihar Sadashiv	TY
2	Sawant Shubham Sanjay	TY
3	Powar Akshay Dinkar	TY
4	Patil Suraj Ramchandra	TY
5	Budhale Pranav Shrikant	TY
6	Patil Ashish Bhikaji	TY
7	Bhopale Shubham Indrajit	SY
8	Vharkat Aniket Anil	SY
9	Shinde Swapnil Dattatraya	FY
10	Wagvekar Vaibhav Shivaji	FY
11	Patil Shravani Sanjay	FY
12	Ekal Pratiksha Sanjay	FY
13	Patil Trupti Bajirao	FY
14	Patil Patil Vaishnavi Ashok	FY
15	Patil Aditi Ashok	FY
16	Patil Sonali Sambhaji	FY
17	Patil Rutika Suresh	FY
18	Patil Prajakta Govinda	FY
19	Patade Komal Shivaji	FY
20	Panari Sneha Sunil	FY





॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)



Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that, Dr. Dhananjay Patil from Ajara mahavidhyalaya, Ajara visited our college as guest and delivered a lecture on Physical Wellness and Diet, on 30/08/2018.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



H GYAN SEVA TYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Prashant Patil, from Cha. Shahaji College Kolhapur visited our college as guest and delivered a lecture on **Physical Wellness**, on 20/07/2018.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Rahul Magdum, from Shivaraj College Gudhinglaj visited our college as guest and delivered a lecture on Importance of Physical Wellness, on 29/08/2018.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

॥ GYAN SEVATYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

NOTICE

It is for the information of all registered student of Physical Fitness course.
3month Course Duration are completed on 10th October and exam will be held
on 12th October 2018

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director, Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

DEPARTMENT OF SPORTS
ADD ON COURSE EXAMINATION- 2018-19
“Certificate Course of Physical Wellness”

Time:- 1 hr

Marks: 25

Q-1. Write short notes on any three of the following

[15]

5. Meaning of Physical Wellness
6. Diet and Fitness
7. Cardiovascular Endurance
8. Strength Training

Q-2. Attempt any one of the following

[10]

1. Importance of Physical Wellness
2. Types of Physical Wellness



Result Sheet

Sr.No.	Students Name	Obtained Marks
1	Jadhav Nihar Sadashiv	24
2	Sawant Shubham Sanjay	22
3	Powar Akshay Dinkar	21
4	Patil Suraj Ramchandra	23
5	Budhale Pranav Shrikant	25
6	Patil Ashish Bhikaji	21
7	Bhopale Shubham Indrajit	22
8	Vharkat Aniket Anil	23
9	Shinde Swapnil Dattatraya	25
10	Wagvekar Vaibhav Shivaji	25
11	Patil Shravani Sanjay	21
12	Ekal Pratiksha Sanjay	20
13	Patil Trupti Bajirao	22
14	Patil Patil Vaishnavi Ashok	25
15	Patil Aditi Ashok	23
16	Patil Sonali Sambhaji	21
17	Patil Rutika Suresh	21
18	Patil Prajakta Govinda	25
19	Patade Komal Shivaji	22
20	Panari Sneha Sunil	22



“Certificate Course of Physical Wellness”

Attendances

Sr.No.	Students Name	Sign
1	Jadhav Nihar Sadashiv	<u>Jadhav Nihar</u>
2	Sawant Shubham Sanjay	<u>Sawant Shubham</u>
3	Powar Akshay Dinkar	<u>Powar Akshay</u>
4	Patil Suraj Ramchandra	<u>Patil Suraj</u>
5	Budhale Pranav Shrikant	<u>Budhale Pranav</u>
6	Patil Ashish Bhikaji	<u>Patil Ashish</u>
7	Bhopale Shubham Indrajit	<u>Bhopale Shubham</u>
8	Vharkat Aniket Anil	<u>Vharkat Aniket</u>
9	Shinde Swapnil Dattatraya	<u>Shinde Swapnil</u>
10	Wagvekar Vaibhav Shivaji	<u>Wagvekar Vaibhav</u>
11	Patil Shravani Sanjay	<u>Patil Shravani</u>
12	Ekal Pratiksha Sanjay	<u>Ekal Pratiksha</u>
13	Patil Trupti Bajirao	<u>Patil Trupti</u>
14	Patil Patil Vaishnavi Ashok	<u>Patil Vaishnavi</u>
15	Patil Aditi Ashok	<u>Patil Aditi</u>
16	Patil Sonali Sambhaji	<u>Sonali Patil</u>
17	Patil Rutika Suresh	<u>Patil Rutika</u>
18	Patil Prajakta Govinda	<u>Patil Prajakta</u>
19	Patade Komal Shivaji	<u>Patade Komal</u>
20	Panari Sneha Sunil	<u>Panari Sneha</u>



Gyan Seva Tyag

Shri Vyanknath Shikshan Prasara Mandal's

Shri Yashwantrao Patil Science College, Solankur

Taluka: Radhanagari District: Kolhapur 416212

Add on Certificate Courses During 2019-20

Name of Add on Certificate programs offered	Department	Course Start Date	Course End Date	Duration of course (Hours)	Number of students enrolled in course
Manufacturing of Soap and Detergent	Chemistry	04/09/2019	05/03/2020	30	40
Poultry Farming	Zoology	07/12/2019	08/02/2020	40	40
Study of Indigenous Medicinal Plants	Botany	06/10/2019	19/01/2020	35	30
Physical Fitness	Sports	15/07/2019	29/08/2019	40	20
Total:	04				130


CO-ORDINATOR
Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



|| Dnyan - seva - tyag ||
Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE
SOLANKUR
TAL. RADHANAGARI, DIST. KOLHAPUR - 416212
PHONE - 02321 231561
Email: ypsmsolankur@gmail.com

Affiliated to Shivaji University, Kolhapur

Department of Chemistry

Add on Course: - Manufacture of soap and detergents

(Academic Year-2019-20)

Topics

1. Introduction of soap and detergents
2. Literature survey of preparation of Soap and detergents.
3. Experimental works to prepare soap.
4. Experimental works to prepare detergents.
5. Result analysis

Duration

Duration is of 30 lectures in whole academic year.

Guest Faculty and Faculty In-charge

Year	Admitted Students	Guest Lecturers Invited	Faculty Incharge
2019-20	40	Dr. D. K. Dalvi (BMK)	Dr. M. V. Patil

Course start date and end date

Year	No. of Students enrolled	Start date	End date	Hours engaged
2019-20	40	04/09/2019	05/03/2020	30

Inauguration: - In-Charge Principal Dr. G. G. Chougale

Certificate were distributed at the end of the course.

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Syllabus

Topics

1. Introduction of soap and detergents
2. Literature survey of preparation of Soap and detergents.
3. Experimental works to prepare soap.
4. Experimental works to prepare detergents.
5. Result analysis

Time: - Every Saturday 12.00p.m. onwards

Work distributions

Year 	2019-20
Faculty 	
Dr. G. G. Chougale	5- Lectures
Mr. J. K. Chavan	5- Lectures
Dr. A. D. Kamble	5- Practicals
Mr. S. D. Gorshetwar	5- Practicals
Mr. P. S. Pawar	5- Practicals
Dr. N. V. Junghare	5- Practicals
Dr. D. K. Dalvi (BMK)	2- lectures


Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Manufacture of Soap and Detergents

Introduction:

The manufacture of soap and detergents involves a series of chemical processes. Both soap and detergents are surfactants, which means they have the ability to reduce the surface tension of water, allowing it to interact with grease and oil, making them soluble. Here's a general overview of the manufacturing processes for soap and synthetic detergents:

Soap Manufacturing:

1. Saponification:

- The traditional method of making soap involves a process called saponification.
- This process involves the reaction of fats or oils with an alkaline solution (usually sodium hydroxide for solid soap or potassium hydroxide for liquid soap).
- This reaction produces glycerol (glycerin) and soap. The soap molecules have a hydrophilic (water-attracting) end and a hydrophobic (water-repelling) end.

2. Batch or Continuous Process:

- Soap can be produced through a batch process or a continuous process.
- In a batch process, the ingredients are mixed and then poured into molds to solidify.
- In a continuous process, the saponification reaction is carried out continuously, and the soap is continuously formed and extruded into noodles or bars.



3. Neutralization:

- After saponification, the soap is often not completely neutral. It is usually treated with a weak acid to remove excess alkali, making the soap pH-neutral.

4. Finishing:

- The soap is then shaped and sometimes further processed (e.g., drying, milling) before packaging.

Synthetic Detergent Manufacturing:

1. Raw Materials:

- The primary raw materials for synthetic detergents are petrochemicals or oleochemicals (derived from oils and fats).

- Surfactants, the key component, can be anionic (negatively charged), cationic (positively charged), nonionic, or amphoteric.

2. Sulfonation or Ethoxylation:

- The chosen surfactant is often chemically modified through processes like sulfonation or ethoxylation to enhance its properties.

- Sulfonation involves introducing a sulfonic acid group, and ethoxylation involves adding ethylene oxide molecules.

3. Neutralization:

- Similar to soap manufacturing, the detergent is often treated to ensure it is pH-neutral.

4. Additives:

- Various additives, such as builders, colorants, fragrances, and enzymes, are incorporated into the detergent formulation.



5. Spraying or Granulation:

- The final detergent product can be produced in different forms, such as powder, liquid, or granules.
- The product is often sprayed or granulated for ease of handling and packaging.

6. Packaging:

- The finished detergent is then packaged into various containers for distribution.

Environmental Considerations:

- Both soap and detergents can have environmental impacts. Modern formulations often include biodegradable ingredients, and there is a growing awareness of the need for environmentally friendly surfactants.

It's important to note that while soap is generally more biodegradable, certain synthetic detergents can be formulated to be environmentally friendly as well. Additionally, there are various types of specialty soaps and detergents designed for specific purposes, such as laundry, dishwashing, personal care, etc. The exact processes and formulations can vary based on the specific type of product being manufactured.


Head
Department of Chemistry




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

**Add on Certificate Course on Manufacture of Soap and
Detergents**

Academic Year 2019-20

Date: 15/07/2019

NOTICE

All the students of B. Sc. III Chemistry are hereby informed that Department of Chemistry has organized "Add on course on Manufacture of Soap and Detergents" from Saturday, 20/07/2019. Interested students are informed that they should remain present for course on time at Chemistry Department.

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

**Add on Certificate Course on Manufacture of Soap and
Detergents**

Academic Year 2019-20

Sr. No.	Name of Students	Class	Signature
1	Bailkorr Akashta A.	B.Sc.III	Abhikar
2	Baudekar Amit P.	---	Apardekar
3	Bhat Swaphil S.	---	Bhat
4	Chopade Digambar P.	---	dpchopade
5	Chougale Amenty D.	---	A Chougale
6	Chougale Paris S.	---	PSC
7	Dewale Ankita A.	---	Ank D
8	Dewale pooja E.	---	pdewale
9	Ekashinge Akash N.	---	EA
10	Farakate punam A.	---	Farakate
11	Gikigisavi Akash.	---	Agisavi
12	Gojare Vishnavi S.	---	Vgojare
13	Gose Touhid A.	---	Tagose
14	Gusavi Dhanashri P.	---	dg
15	Chavan Prathamesh D.	---	ghavan



16	Gusav shweta S.	B-sc-III	for
17	Gusav Sumit R.	—	SPQ
18	Jadhav Nikhil H.	—	Jadhav
19	Jadhav vishal B.	—	Jadhav
20	Jamadar Sairaj S.	—	Jamadar
21	Jarega Sowabh T.	—	Sarega
22	Kalikate Dhanashri D.	—	Kalikate
23	Kamble Kalyani A.	—	Kamble
24	Khade snehal A.	—	Akhade
25	Kumbhar Komal P.	—	Kamble
26	Kumbhar shubham J.	—	shyams.
27	Lohar Priyanka V.	—	lohar
28	Mooe Swapnali V.	—	Mooe
29	Naskar Sheavani H.	—	Naskar
30	Nikade shubhangi V.	—	Nikade
31	panari Milind A.	—	Panari
32	Parkar Swati S.	—	S. ps.
33	patade AKshay P.	—	Patade
34	patil Bhagyashri M.	—	Patil
35	patil Amruta M.	—	Amruta
36	patil Bhagyashri P.	—	Patil
37	patil Dhanashri D.	—	Patil
38	patil Dipali V.	—	Dipali
39	Patil Ravindra A.	—	Ravindra
40	Paut Ishwar A.	—	Abhokar

Darsh

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



SN

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Shri Yashwantrao Patil Science College, Solankur

Department of Chemistry

Add on Course: - Manufacture of Soap and Detergents

Add on course attendance

Year 2019-20

[illegible]

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

Manufacture of Soap and Detergent

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS. giri ghasani Akash N. HAS PARTICIPATED

IN ADD ON COURSE ON "MANUFACTURE OF SOAP AND DETERGENT" ORGANIZED BY

DEPARTMENT OF CHEMISTRY OF SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR IN THE

ACADEMIC YEAR 2019 - 2020

Department of Chemistry
Shri. Yashwantrao Padi Science
College, Solankur.



PRINCIPAL
Shri Yashwantrao Patil Science College,
Solapur, Tal. Raichurganj, Dist. Kolhapur.

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

Manufacture of Soap and Detergent



DEPARTMENT OF CHEMISTRY

CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS. Dewale Ankita A HAS PARTICIPATED

IN **ADD ON COURSE** ON "**MANUFACTURE OF SOAP AND DETERGENT**" ORGANIZED BY
DEPARTMENT OF CHEMISTRY OF SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR IN THE

ACADEMIC YEAR 2019.- 2020

Dewale
Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur



Principal
PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Manufacture of Soap and Detergents



[Signature]

Head

Department of Chemistry



[Signature]
12 Principles
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Add on Certificate Course

On

Poultry farming



Add on Certificate Course

On

Poultry Farming

Organized by

Department of Zoology

Course Incharge

Dr. B.S.Wali.

Course Duration: 07/12/2019 – 09/02/2020



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Syllabus

Add on Certificate Course on Poultry Farming
Academic Year 2019-20

Total Hrs- 40

Theory:

1. Introduction to Poultry Farming
2. Poultry houses management
3. Breeds of Poultry
4. Feed and supplements
5. Poultry diseases and their management
7. Poultry Products and marketing

Practical:

1. Study of Poultry housing
2. Poultry management
3. Feeding
4. Marketing



Head
Department of Zoology
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Department of Zoology

Add on Certificate Course on Poultry Farming
Academic Year 2019-20

Objectives:

1. Rural economy Development
2. Entrepreneurship development
3. Poultry management practices



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College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

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**Add on Certificate Course on Poultry Farming
Academic Year 2019-20**

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2.	Syllabus
3.	Objectives
4.	Time Table
5.	List of Participants
6.	Attendance
7.	Question Paper
8.	Result
9.	Report
10.	Certificate

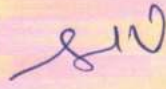
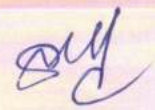
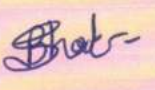
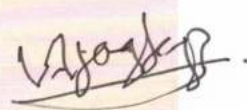


Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Poultry Farming

2019-20

Board of Studies

Sr.No.	Name	Designation	Current status	Sign
1.	Dr. G.G. Chougale	I/C Principal	Chairperson	
2.	Dr. S.V. Madhale	IQAC Coordinator	Member	
3.	Dr. B.S. Wali	Head, Dept. of Zoology	Member	
4.	Dr.V.M.Lagade	Asst. Professor, Dept. of Zoology	Member	
5.	Dr.S.V. Bhosale	Asst. Professor, Dept. of Zoology	Member	
6.	Dr.V.A. Jagatap	Asst. Professor, Dept. of Zoology. K.H.College,Gargoti	Expert	



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

**Add on Certificate Course on Poultry Farming
Academic Year 2019-20**

Date:04/12/2019

NOTICE

All the students of B. Sc. III and II are here by informed that Department of Zoology has organized "Add on Certificate Course on Poultry Farming " from Saturday 07 December 2019. Interested students are informed that they should remain present for course.



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Poultry Farming

Theory and Practical
Time Table: 2019-20

Date	Time	Theory/Practical	Name of Faculty
07/12/2019	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
07/12/2019	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale
14/12/2019	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
14/12/2019	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
21/12/2019	01:00 to 3:00 pm	Theory	Dr.B.S. Wali
21/12/2019	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
28/12/2019	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
28/12/2019	03:00 to 5:00 pm	Practical	Dr. B. S. Wali
04/01/2020	01:00 to 3:00 pm	Theory	Dr. V.A. Jagtap
04/01/2020	03:00 to 5:00 pm	Practical	Dr. V. A. Jagtap
11/01/2020	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
11/01/2020	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
18/01/2020	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
18/01/2020	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
25/01/2020	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
25/01/2020	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale



01/02/2020	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
01/02/2020	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
08/02/2020	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
08/02/2020	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale




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Shri Vyankanath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Poultry Farming

Time Table-2019-20

Theory & practical

December, January and February

Time Table	1 st Saturday 07/12/2019	2 nd Saturday 14/12/2019	3 rd Saturday 21/12/2019	4 th Saturday 28/12/2019	1 st Saturday 04/01/2020	2 nd Saturday 11/01/2020	3 rd Saturday 18/01/2020	4 th Saturday 25/01/2020	1 st Saturday 01/02/2020	2 nd Saturday 08/02/2020
Theory 1:00 to 03:00	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.V.A. Jagtap	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.V.M. Lagade
Practical 3:00 to 05:00	Dr.S.V. Bhosale	Dr.V.M. Lagade	Dr.V.M. Lagade	Dr.B.S. Wali	Dr.V.A. Jagtap	Dr.V.M. Lagade	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.S.V. Bhosale

Dr. B.S. Wali

Dr. V.M. Lagade

Dr. S.V. Bhosale



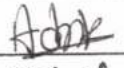
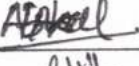
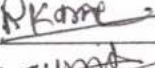
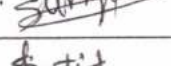
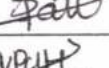
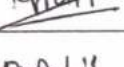
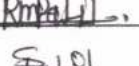
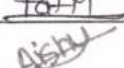
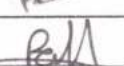
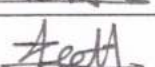
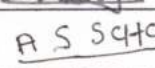
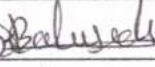
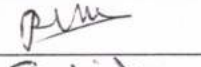
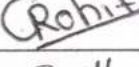
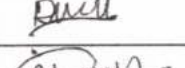
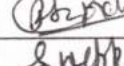
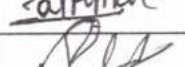
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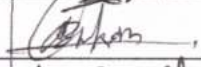
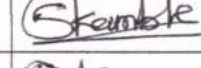
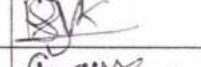
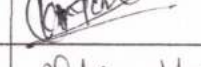
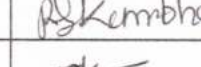
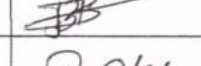
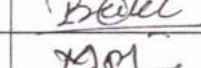
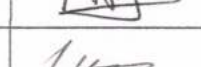
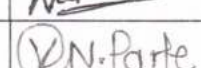
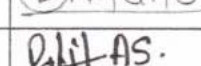
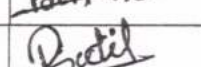
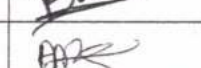
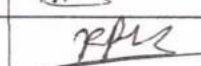
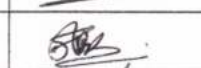
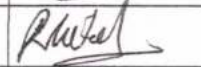
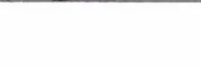
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Poultry Farming
2019-20

ADMISSIONS FOR POULTRY FARMING

Sr. No	Name of the Student	Class	Sign
1.	Adake Mohini Uday	B.Sc.III	
2.	Ekal Amruta Anandarao	B.Sc.III	
3.	Gurav Jayashri Balavant	B.Sc.III	
4.	Kamble Rajvardhan Dhanaji	B.Sc.III	
5.	Kamble Sumit Ekanath	B.Sc.III	
6.	Lohar Amruta Madhukar	B.Sc.III	
7.	Patil Nandini Vishwas	B.Sc.III	
8.	Patil Rutuja Maruti	B.Sc.III	
9.	Patil Seema Satappa	B.Sc.III	
10.	Patil Snehal Shivaji	B.Sc.III	
11.	Powar Ankita Anil	B.Sc.III	
12.	Randive Rutuja Balavant	B.Sc.III	
13.	Aadsul Saurangi Satappa	B.Sc.II	
14.	Belekar Akshaya Dipak	B.Sc.II	
15.	Abadar Pradnesh Sushil	B.Sc.II	
16.	Bhogate Avadhut Uttam	B.Sc.II	
17.	Chougale Rohit Ananda	B.Sc.II	
18.	Davar Tushar Tanaj	B.Sc.II	
19.	Farakate Vinit Vitthal	B.Sc.II	
20.	Hanchnale Sourabh Bhikaji	B.Sc.II	
21.	Ingale Rahul Suresh	B.Sc.II	



22.	Jamadar Suraj Shamshuddin	B.Sc.II	
23.	Kagalkar Sajid Sanjay	B.Sc.II	
24.	Kamble Rohit Vilas	B.Sc.II	
25.	Kamble Sourabh Vasant	B.Sc.II	
26.	Karale Rushikesh Jaywant	B.Sc.II	
27.	Kotmire Omkar Satish	B.Sc.II	
28.	Kumbhar Rushiraj Shivaji	B.Sc.II	
29.	Magadum Omkar Krishnat	B.Sc.II	
30.	Mahadik Dattatray Ramakant	B.Sc.II	
31.	Mane Pratik Jayawant	B.Sc.II	
32.	Moraskar Siddesh Rangrao	B.Sc.II	
33.	Natekar Laxman Shamrao	B.Sc.II	
34.	Parte Vaibhav Nandkumar	B.Sc.II	
35.	Patil Abhijit Shivaji	B.Sc.II	
36.	Patil Sourabh Arjun	B.Sc.II	
37.	Tashildar Yunus Miyalal	B.Sc.II	
38.	Toraskar Nirnanjan Ananda	B.Sc.II	
39.	Wadd Akash Suresh	B.Sc.II	
40.	Wanganekar Rahul Lahu	B.Sc.II	





Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyanknath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Poultry Farming

2019-20

Attendance Report

December, January and February

Sr. No.	Name of the Student	1 st Saturday 07/12/2019	2 nd Saturday 14/12/2019	3 rd Saturday 21/12/2019	4 th Saturday 28/12/2019	1 st Saturday 04/01/2020	2 nd Saturday 11/01/2020	3 rd Saturday 18/01/2020	4 th Saturday 25/01/2020	1 st Saturday 01/02/2020	2 nd Saturday 08/02/2020
1.	Adake Mohini Uday	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
2.	Ekal Amruta Anandarao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
3.	Gurav Jayashri Balavant	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
4.	Kamble Rajvardhan Dhanaji	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
5.	Kamble Sumit Ekanath	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
6.	Lohar Amruta Madhukar	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
7.	Patil Nandini Vishwas	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
8.	Patil Rutuja Maruti	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
9.	Patil Seema Satappa	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
10.	Patil Snehal Shivaji	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil



11.	Powar Ankita Anil	Prs	As	Engl	Am	Am	Am	Am	Am	Am	Am	Am
12.	Randive Rutuja Balavant	teed	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am
13.	Aadsul Saurangi Satappa	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL	A S SCHOL
14.	Belekar Akshaya Dipak	Ab	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am
15.	Abadar Pradnesh Sushil	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh
16.	Bhogate Avadhut Uttam	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
17.	Chougale Rohit Ananda	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
18.	Davar Tushar Tanaj	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
19.	Farakate Vinit Viithal	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
20.	Hanchnale Sourabh Bhikaji	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
21.	Ingale Rahul Suresh	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
22.	Jamadar Suraj Shamshuddin	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
23.	Kagalkar Sajid Sanjay	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
24.	Kamble Rohit Vilas	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
25.	Kamble Sourabh Vasant	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
26.	Karale Rushikesh Jaywant	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
27.	Kotmire Omkar Satish	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
28.	Kumbhar Rushiraj Shivaji	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs
29.	Magadum Omkar Krishnat	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs



30.	Mahadik Dattatray Ramakant	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
31.	Mane Pratik Jayawant	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
32.	Moraskar Siddesh Rangrao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
33.	Natekar Laxman Shamrao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
34.	Parte Vaibhav Nandkumar	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
35.	Patil Abhijit Shivaji	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
36.	Patil Sourabh Arjun	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
37.	Tashildar Yunus Miyalal	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
38.	Toraskar Niranjan Ananda	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
39.	Wadd Akash Suresh	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
40.	Wanganekar Rahul Lahu	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil



JS.

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Poultry Farming
Academic Year 2019-20

Question Paper

Time: 12:00 pm to 2:00pm

Max marks: 50

Sunday

Q. No 1: Write any three (long questions) (30)

- a. How poultry farming is done?
- b. Explain in brief Poultry diseases and control measures.
- c. Explain in brief breeds of poultry.
- d. Describe feed and supplement

Q. No 2: Write any four (short questions) (20)

- a. Poultry products
- b. Poultry keeping
- c. Indigenous breeds
- d. Need for housing
- e. Economic importance of Poultry



Shri Vyankanath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Marklist

Add on Certificate Course on Poultry Farming
Academic Year 2019-20

Sr. No	Name of the Student	Q. No 1	Q. No 2	Total
1.	Adake Mohini Uday	25	16	41
2.	Ekal Amruta Anandarao	23	17	40
3.	Gurav Jayashri Balavant	21	18	39
4.	Kamble Rajvardhan Dhanaji	24	17	41
5.	Kamble Sumit Ekanath	25	17	42
6.	Lohar Amruta Madhukar	26	16	42
7.	Patil Nandini Vishwas	24	18	42
8.	Patil Rutuja Maruti	23	17	40
9.	Patil Seema Satappa	22	18	40
10.	Patil Snehal Shivaji	21	18	39
11.	Powar Ankita Anil	22	18	40
12.	Randive Rutuja Balavant	23	16	39
13.	Aadsul Saurangi Satappa	24	17	41
14.	Belekar Akshaya Dipak	23	18	41
15.	Abadar Pradnesh Sushil	25	16	41
16.	Bhogate Avadhut Uttam	26	16	42
17.	Chougale Rohit Ananda	24	17	41
18.	Davar Tushar Tanaj	23	16	39



19.	Farakate Vinit Vitthal	22	18	40
20.	Hanchnale Sourabh Bhikaji	23	17	40
21.	Ingale Rahul Suresh	21	18	39
22.	Jamadar Suraj Shamshuddin	25	16	41
23.	Kagalkar Sajid Sanjay	24	17	41
24.	Kamble Rohit Vilas	22	17	39
25.	Kamble Sourabh Vasant	25	16	41
26.	Karale Rushikesh Jaywant	23	17	40
27.	Kotmire Omkar Satish	25	16	41
28.	Kumbhar Rushiraj Shivaji	22	17	39
29.	Magadum Omkar Krishnat	21	18	39
30.	Mahadik Dattatray Ramakant	25	16	41
31.	Mane Pratik Jayawant	23	15	38
32.	Moraskar Siddesh Rangrao	24	16	40
33.	Natekar Laxman Shamrao	23	17	40
34.	Parte Vaibhav Nandkumar	22	18	40
35.	Patil Abhijit Shivaji	23	16	39
36.	Patil Sourabh Arjun	20	18	38
37.	Tashildar Yunus Miyalal	21	17	38
38.	Toraskar Niranjana Ananda	24	16	40
39.	Wadd Akash Suresh	23	18	41
40.	Wanganekar Rahul Lahu	25	17	42



JS

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

REPORT

Add on Certificate Course on Poultry Farming
Academic Year 2019-20



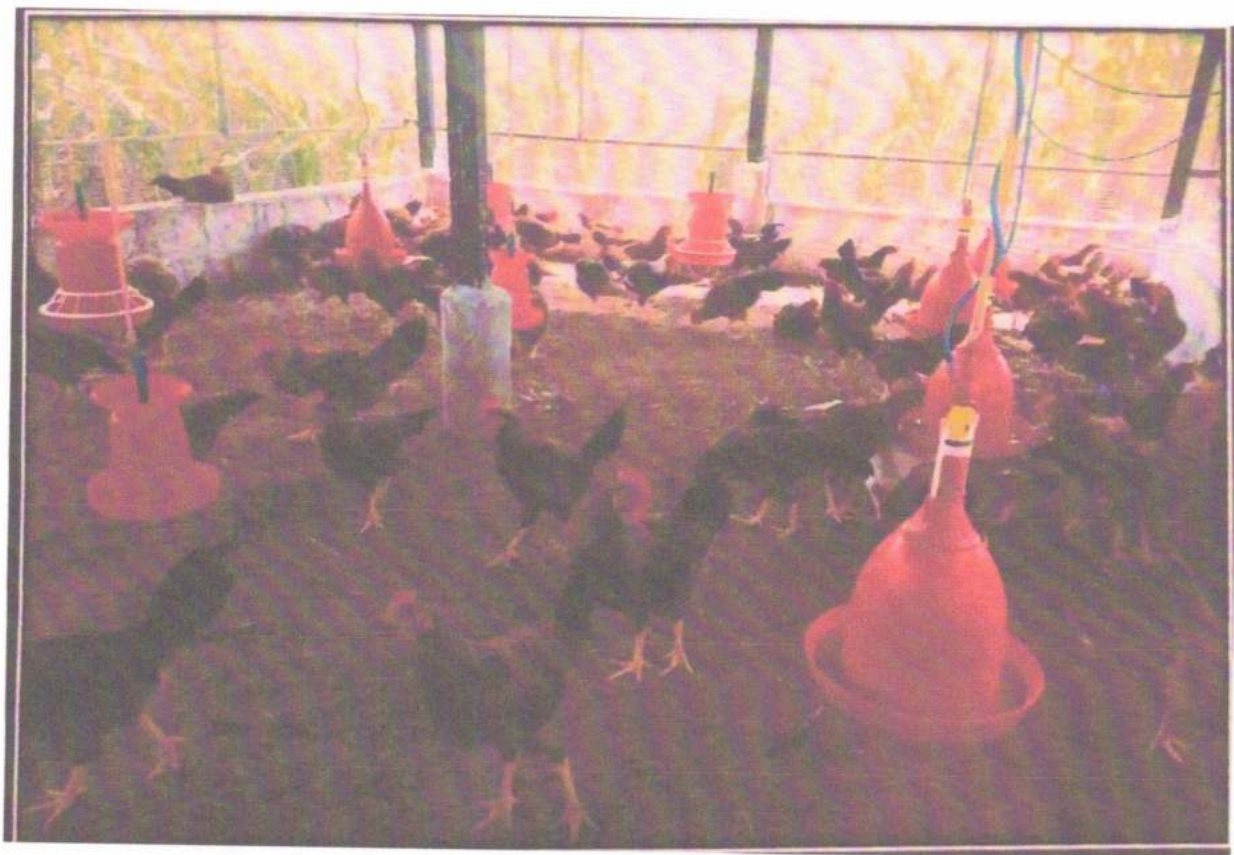
Visit to Poultry farm by Students

Poultry Farming is a raising of birds for meat and eggs. It may be done domestically or commercially in a large quantity. In rural areas this is a most popular industry with low investment and high profit. It also supports to farmers as a side business but some time due to lack of proper knowledge farmers were practicing unproductive way which will not be commercially profitable.



Certificate Course on Poultry Farming aims to convey skill and information about poultry to establish as a practicable business. Shri. Yashwantrao Patil Science College, Solankur. Department of Zoology has open this course for B.Sc. III and B.Sc.II year students. This course was conducted during the academic year 2019-2020. During this course lectures, practicals and field visit were conducted by department. For this course 40 students were enrolled from B.Sc.II and B.Sc.III. Dr.B.S.Wali, Dr.V.M.Lagade and Dr.S.V.Bhosale conducted the practical and theory period.

After completing the course, the students got the knowledge about different types of poultry breeds, nutrition and feeding, housing system management and disease management. This course is helpful for youth, farmers and womens to become successful entrepreneurs.




Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

II GYAN SEVA TYAG II

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt Davar Jushar Tanaji has successfully completed the Add on Course on Poultry Farming organized by Department of Zoology, Shri Yashwantrao Patil Science College, Solankur for the academic year of 2019-20.

Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY



Dr. Gurnath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt Patil Snehal Shiraji has
successfully completed the Add on Course on Poultry Farming organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2019-20.

Dr. B. S. Wali
HEAD, DEPARTMENT OF
ZOOLOGY



Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR



॥ GYAN SEVA TYAG ॥	
Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR	
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212	
Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in	
Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
Shri. A. Y. Patil Secretary	Shri. R. Y. Patil President

Date: 10/09/2019

DEPARTMENT OF BOTANY

Academic Year: 2019-20

NOTICE

This is to inform all the B. Sc. students that the admission process for the Add on course "Ethnobotanical Studies" has started. The course will start on 06/10/2019 and the last date of admission is 01/10/2019.

Interested students should enrol to the Department of Botany by the last date of admission.

For more information, please contact Dr. S V. Madhale, Head, Department of Botany.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

**SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR**

DEPARTMENT OF BOTANY

Academic year-2019-20

**ETHNOBOTANICAL
STUDIES**

Course Coordinator

Dr. S. V. Madhale

Course Started on: 06/10/2019

Course Ended on: 30/01/2020



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Ethnobotanical Studies”

The Ethnobotanical Studies add-on course is an exciting opportunity for B.Sc. students living in the Western Ghats to learn about the rich and diverse relationship between people and plants in the region. This course will provide students with the knowledge and skills to explore and document traditional plant use, identify and classify plants, and understand the cultural and economic significance of plants.

The Western Ghats are one of the most biodiverse regions in the world, with a wide range of plant and animal life. The region is also home to a variety of indigenous cultures, each with its own unique knowledge and understanding of the local flora. The Ethnobotanical Studies add-on course will provide students with the opportunity to learn from these cultures and to gain a deeper understanding of the relationship between people and plants in the Western Ghats.

This course is important for B.Sc. students living in the Western Ghats for a number of reasons. First, it will provide them with the knowledge and skills necessary to conduct ethnobotanical research. This is an important skill for students who are interested in pursuing a career in environmental science, conservation, or natural resource management. Second, the course will help students to better understand and appreciate the cultural and economic significance of plants in the Western Ghats. This is important for students who are interested in working with indigenous communities or who want to promote sustainable development in the region.

The course will also include a hands-on component, where students will learn how to identify, collect, and prepare medicinal plants.

DURATION

Seven Sundays during each year (7days)

FACULTY

Sr. No.	Faculty
1	Dr. S. V. Madhale
2	Dr. M. S. Sutare
3	Dr. S. P. Dorugade



VISITING FACULTY:

Sr. No.	Name	College
1	Dr. P. D. Shiraganve	Devchand college, Arjunnagar
2	Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
3	Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara.

COURSE WORK LOAD

Total hours of teaching: 25 (including field visit and test)

Teacher name	Lecture	Practical	Total hours
Dr. S. V. Madhale	2 hrs.	12 hrs	14 hrs.
Dr. M. S. Sutare	2 hrs.	12 hrs	14 hrs.
Dr. S. P. Dorugade	4 hrs.	08 hrs	12 hrs
		Total	40 hrs.

Course Started on: 06/10/2019

Course Ended on: 30/01/2020

Certificates were distributed at the end of the course.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2019-20

Add on Course

“Ethnobotanical Studies”

SYLLABUS

1. Introduction to Ethnobotany
2. Ethnobotany of the Western Ghats
3. Ethnobotany in Conservation and Sustainable Development
4. Ethnobotany in Everyday Life

PRACTICAL

1. Ethnobotanical Survey
2. Plant Identification
3. Ethnobotanical Uses of Plants
4. Ethnobotanical Conservation




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2019-20

Add on Course

“Ethnobotanical Studies”

BOARD OF STUDIES

Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
Dr. P. D. Shirgave	Devachand College, Arjunnagar
Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara
Dr. S. V. Madhale	Shri Yashwantrao Patil Science College, Solankur
Dr. M. S. Sutare	Shri Yashwantrao Patil Science College, Solankur
Dr. S. P. Dorugade	Shri Yashwantrao Patil Science College, Solankur



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2019-20

Add on Course

“Ethnobotanical Studies”

TIMETABLE

Time	Activity	06/10/2019	20/10/2019	03/11/2019	17/11/2019	08/12/2019	22/12/2019	05/01/2020	19/01/2020
11:00-11:50 am	Lecture	SVM	MSS	SPD	SVM	SPD	MSS	SPD	SPD
12:00-03: 00 pm	Practical/ Field work	SPD	SVM	MSS	MSS	SPD	SVM	SVM	MSS




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ATTENDANCE

ACADEMIC YEAR 2019-2020

Sr.no.	Name of Student	06/10/2019	20/10/2019	03/11/2019	17/11/2019	08/12/2019	22/12/2019	05/01/2020	19/01/2020
1.	Mardane Rushikesh D.	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
2.	Jadhav Sudhir D.	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir
3.	Teli Akash R.	Teli	Teli	Teli	Teli	Teli	Teli	Teli	Teli
4.	Mudholkar Ranjit S.	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit
5.	Patil Swapnil D.	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
6.	Kumbhar Rushiraj Shivaji	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
7.	Parakate Vinit Vitthal	Vinit	Vinit	Vinit	Vinit	Vinit	Vinit	Vinit	Vinit
8.	Patil Shubham Shivaji	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
9.	Patil Dasharath Vilas	Dasharath	Dasharath	Dasharath	Dasharath	Dasharath	Dasharath	Dasharath	Dasharath
10.	Patil Vaishali Dhanaji	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
11.	Dakare Suraj Krishant	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
12.	Karale Rushikesh Jaywant	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
13.	Mullani Mojeep Mustak	Mojeep	Mojeep	Mojeep	Mojeep	Mojeep	Mojeep	Mojeep	Mojeep
14.	Barad Sameer Sanjay	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer
15.	Bhogate Avadut Utam	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut
16.	Aadsul Saurangi Satappa	Saurangi	Saurangi	Saurangi	Saurangi	Saurangi	Saurangi	Saurangi	Saurangi
17.	Abadar Pradnesh Sushil	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh
18.	Adamapure Samket Shivaji	Samket	Samket	Samket	Samket	Samket	Samket	Samket	Samket
19.	Barad Atul Sitaran	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul
20.	Barad Sameer Sanjay	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer
21.	Barad Suraj Shripati	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
22.	Barad Vikas Ananda	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
23.	Barad Vishjeet Rajaram	Vishjeet	Vishjeet	Vishjeet	Vishjeet	Vishjeet	Vishjeet	Vishjeet	Vishjeet
24.	Bavadekar Aniket Laxman	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
25.	Belkar Akshaya Dipak	Akshaya	Akshaya	Akshaya	Akshaya	Akshaya	Akshaya	Akshaya	Akshaya
26.	Bhogate Avadut Utam	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut	Avadut
27.	Bhosale Abaji Dattatray	Abaji	Abaji	Abaji	Abaji	Abaji	Abaji	Abaji	Abaji
28.	Bhosale Mangesh Shivaji	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh
29.	Bhosale Pradip Sanjay	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip
30.	Chavan Jyoti Arvind	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti

Teacher in charge

[Signature]



Head

Department of Botany

Shri Yashwantrao Patil Science College,

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.ch@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)		
	Shri. A. Y. Patil Secretary Shri. R. Y. Patil President		

Date: 15/01/2019

DEPARTMENT OF BOTANY

Academic Year: 2019-20

Add on Course

"Ethnobotanical Studies"

NOTICE

This is to inform all the enrolled students of the Add on course "Ethnobotanical Studies" that the final examination for the said course will be held on 30/01/2019 at 11:30 am.

All the enrolled students should be present at Department of Botany 30 minutes before given time.




Head,
Department of Botany,
 Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari

DEPARTMENT OF BOTANY
ADD ON COURSE EXAMINATION- 2019-20
“Ethnobotanical Studies”

Date: 30/01/2019

Time: - 11:30-12:30

Marks: 25

Q-1. Write short notes on any three of the following [15]

- A-Ethnobotany
- B-Medicinal plants of Western Ghats
- C- Medicinal Uses of Ashwagandha plant
- D-Human Diseases and Medicinal plants
- E- Turmeric

Q-2. Attempt any one of the following: [10]

- a) Write the botanical name, classification plant part used and medicinal uses of Clove plant.
- b) Write the botanical name, classification plant part used and medicinal uses of Adulasa plant.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Ethnobotanical Studies”

RESULT

Sr.no.	Name of Student	Marks
1.	Mardane Rushikesh D.	17
2.	Jadhav Sudhir D.	23
3.	Teli Akash R.	18
4.	Mudholkar Ranjit S.	19
5.	Patil Swapnil D.	22
6.	Kumbhar Rushiraj Shivaji	18
7.	Farakate Vinit Vitthal	17
8.	Patil Shubham Shivaji	20
9.	Patil Dasharath Vilas	20
10.	Patil Vaishali Dhanaji	17
11.	Dakare Suraj Krishant	20
12.	Karale Rushikesh Jaywant	23
13.	Mullani Mojeep Mustak	18
14.	Barad Sameer Sanjay	20
15.	Bhagate Avadhut Uttam	22
16.	Aadsul Saurangi Satappa	18
17.	Abadar Pradnesh Sushil	22
18.	Adamapure Sanket Shivaji	21
19.	Barad Atul Sitaram	18
20.	Barad Sameer Sanjay	21
21.	Barad Suraj Shripati	23
22.	Barad Vikas Ananda	18
23.	Barad Vishvjeet Rajaram	21
24.	Bavadekar Aniket Laxman	22
25.	Belekar Akshaya Dipak	18
26.	Bhagate Avadhut Uttam	19
27.	Bhosale Abaji Dattatray	23
28.	Bhosale Mangesh Shivaji	18
29.	Bhosale Pradip Sanjay	20
30.	Chavan Jyoti Arvind	21




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)



Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

DEPARTMENT OF SPORTS AND PHYSICAL EDUCATION

YPSC, SOLANKUR

“Certificate Course of Yoga Through Physical Fitness”

YEAR 2019-20

TOPICS

1. Define the term Yoga
2. Discuss the function of the cardiovascular system during Yogic exercise
3. Discuss how Yoga training can be used as effective tools to develop and maintain strength and fitness
4. Describe the benefits that flexibility can have on overall health and fitness
5. Describe the benefits of Yogic exercise on muscular strength, endurance and power
6. Describe the effects that training in extreme environments can have on the body
7. Describe a range of common injuries that occur during physical training and the best ways to prevent and treat them
8. Discuss the effects of performance enhancing substances and the beneficial and adverse effects linked to them




PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

PROGRAMME DURATION: Minimum duration to complete this program is 03 months.

REGISTRATION: The registration date for this programme is start by the first week of first semester of the college

OBJECTIVES: To enable the student to have good health

To practice mental hygiene

To possess emotional stability

To integrate moral values.

To attain higher level of consciousness

EXAMINATION & CERTIFICATION: After completion of 03 months training program exam will be conduct and get certificate to passed students.

OUTCOMES OF THE PROGRAMMES – Improved health and mental hygiene, increased emotional stability and attain higher level of consciousness, integrate moral values.

FACULTY

Sr. No.	Faculty
1	Dr. S. T. Magdum



SYLLABUS

Introduction and Importance of Yoga and Physical Fitness

Yoga

In this module learn about Yoga, Ashtanga Yoga Yam, Niyama, Asana, Pranayama, Pratyahara, Dhyana, Dharana, Samadhi This module includes learning outcomes and lesson summary units

Exercise Physiology

In this module learn about exercise physiology and it covers topics such as Muscle Structure and Function; Principles of Physical Training; Physical Training Methods. This module includes learning outcomes and lesson summary units.

Cardiovascular Training

In this module learn about cardiovascular training and it covers topics such as Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints. This module includes learning outcomes and lesson summary units

Running Safely

In this module learn about running safely and it covers topics such as Running Gear; Running Mechanics; Distance Building. This module includes learning outcomes and lesson summary units.

Strength Training

In this module learn about strength training and it covers topics such as Strength Training Terms; Muscular Balance; Diet and Exercise. This module includes learning outcomes and lesson summary units.

Calisthenics

In this module you about calisthenics and it covers topics such as Strength Development; and Calisthenic Exercises. This module includes learning outcomes and lesson summary units.

Training in Challenging Environments

In this module learn about training in challenging environments and it covers topics such as Training in Warm Environments; Training in Cool Environments; Training at High Altitudes. This module includes learning outcomes and lesson summary units.

Preventing & Treating Injuries

In this module learn about preventing & treating injuries and it covers topics such as Treating Inflammation Injuries; Treating Skeletal Injuries; Injury Management. This module includes learning outcomes and lesson summary units.

Performance-Enhancing Substances

In this module learn about performance-enhancing substances and it covers topics such as Using Anabolic Steroids; Hormones and Stimulants. This module includes learning outcomes and lesson summary units.



PRACTICAL

11. Yogic Exercise
12. Running Mechanics
13. Muscular Balance; Diet and Exercise.
14. Calisthenic Exercises
15. Plyometrics Training

COURSE WORK LOAD

Total hours of teaching: 40 (including Lecture and Practical)

Teacher name	Lecture	Practical	Total hours
Dr. S. T. Magdum	20 hrs.	20 hrs.	40 hrs.

VISITING FACULTY

Sr. No.	Name	College
1	Dr. Prashant Patil	Cha.Shahaji College Kolhapur
2	Dr. Rahul Magdum	Shivraj College Gudhinglaj
3	Dr. Dhananjay Patil	Ajara mahavidhyalaya, Ajara.



Course started on 30 July 2019
Inauguration by In- charge Principal Dr. G.G.Chougule

REGISTERED STUDENTS ACADEMIC YEAR 2019-2020

Sr.No.	Students Name	Class
1	Savant Shubham Sanjay	TY
2	Aawalkar Kishoer Dattatraya	TY
3	Malavi Shubham Raghunath	TY
4	Patil Vishwajit Vijay	TY
5	Patil Rohan Mahadev	TY
6	Aawalkar Adhinath Shivaji	TY
7	Patil Ashutosh Ashok	SY
8	Khumbhar Adinath Sattappa	SY
9	Varkat Aniket Anil	FY
10	Patil Suraj Ramchandra	SY
11	Suryawanshi Pallavi Ananda	SY
12	Tipugade Sayali Namdev	SY
13	Shetake Mayuri Bajirao	SY
14	Raut Simaran Riyaj	SY
15	Powar Sakshi Dilip	SY
16	Patil Sweta Sanjay	SY
17	Patil Rutuja Dattatray	SY
18	Patil Priyanka Sattappa	SY
19	Patil Pushpa Vasant	SY
20	Patil Neeta Shahaji	SY





॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212



Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Prashant Patil, from Cha. Shahaji College Kolhapur visited our college as guest and delivered a lecture on **Yoga and Physical Fitness**, on 15/07/2019.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



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Shri. A. Y. Patil

Secretary

Shri. R. Y. Patil

President

CERTIFICATE

This is to certify that Dr. Rahul Magdum, from Shivaraj College Gudhinglaj visited our college as guest and delivered a lecture on Importance of Yoga and Physical Fitness, on 29/08/2019.

Course Co-Ordinator

Dr. Sushant Tanaji Magdum

Director.Sports and Physical Education

Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that, Dr. Dhananjay Patil from Ajara mahavidhyalaya, Ajara visited our college as guest and delivered a lecture on **Yoga and Physical Fitness**, on 29/08/2019.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

NOTICE

It is for the information of all registered student of Physical Fitness course.
3month Course Duration are completed on 30th October and exam will be held
on 1st November 2019

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director, Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

DEPARTMENT OF SPORTS
ADD ON COURSE EXAMINATION- 2019-20
“Certificate Course of Yoga and Physical Fitness”

Time:- 1 hr.

Marks: 25

Q-1. Write short notes on any three of the following

[15]

9. Meaning of Physical Fitness
10. Yoga and Fitness
11. Meaning of Yogic Exercise
12. Strength Training

Q-2. Attempt any one of the following

[10]

1. Importance of Physical Fitness
2. Types of Yogic Exercise



“Certificate Course of Yoga and Physical Fitness”

Result Sheet

Sr.No.	Students Name	Obtained Marks
1	Savant Shubham Sanjay	22
2	Aawalkar Kishoer Dattatraya	23
3	Malavi Shubham Raghunath	25
4	Patil Vishwajit Vijay	24
5	Patil Rohan Mahadev	21
6	Aawalkar Adhinath Shivaji	25
7	Patil Ashutosh Ashok	22
8	Khumbhar Adinath Sattappa	21
9	Varkat Aniket Anil	23
10	Patil Suraj Ramchandra	21
11	Suryawanshi Pallavi Ananda	25
12	Tipugade Sayali Namdev	23
13	Shetake Mayuri Bajirao	24
14	Raut Simaran Riyaj	22
15	Powar Sakshi Dilip	25
16	Patil Sweta Sanjay	23
17	Patil Rutuja Dattatray	21
18	Patil Priyanka Sattappa	23
19	Patil Pushpa Vasant	22
20	Patil Neeta Shahaji	24



“Certificate Course of Yoga and Physical Fitness”

Attendances

Sr.No.	Students Name	Sign
1	Savant Shubham Sanjay	<u>Savant Shubham</u>
2	Aawalkar Kishoer Dattatraya	<u>Aawalkar Kishoer</u>
3	Malavi Shubham Raghunath	<u>Malavi Shubham</u>
4	Patil Vishwajit Vijay	<u>Patil Vishwajit</u>
5	Patil Rohan Mahadev	<u>Patil Rohan</u>
6	Aawalkar Adhinath Shivaji	<u>Aawalkar Adhinath</u>
7	Patil Ashutosh Ashok	<u>Patil Ashutosh</u>
8	Khumbhar Adinath Sattappa	<u>Khumbhar Adinath</u>
9	Varkat Aniket Anil	<u>Varkat Aniket</u>
10	Patil Suraj Ramchandra	<u>Patil Suraj</u>
11	Suryawanshi Pallavi Ananda	<u>Suryawanshi Pallavi</u>
12	Tipugade Sayali Namdev	<u>Tipugade Sayali</u>
13	Shetake Mayuri Bajirao	<u>Shetake Mayuri</u>
14	Raut Simaran Riyaj	<u>Raut Simaran</u>
15	Powar Sakshi Dilip	<u>Powar Sakshi</u>
16	Patil Sweta Sanjay	<u>Patil Sweta</u>
17	Patil Rutuja Dattatray	<u>Patil Rutuja</u>
18	Patil Priyanka Sattappa	<u>Patil Priyanka</u>
19	Patil Pushpa Vasant	<u>Patil Pushpa</u>
20	Patil Neeta Shahaji	<u>Patil Neeta</u>





**SHRI YASHWANTIRAO PATIL
SCIENCE COLLEGE SOLAPUR**

Principal: Dr. Yashwantrao Patil
Vice-Principal: Dr. Yashwantrao Patil
In-charge: Dr. Yashwantrao Patil
Address: Solapur, Maharashtra
Phone: 02062-234567
Email: info@yashwantrao.edu

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Gyan Seva Tyag

Shri Vyanknath Shikshan Prasara Mandal's

Shri Yashwantrao Patil Science College, Solankur

Taluka: Radhanagari District: Kolhapur 416212

Add on Certificate Courses During 2020-21

Name of Add on /Certificate programs offered	Department	Course Start Date	Course End Date	Duration of course (Hours)	Number of students enrolled in Course
Nil					
Total:	00				



CO-ORDINATOR
Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Gyan Seva Tyag

Shri Vyanknath Shikshan Prasara Mandal's

Shri Yashwantrao Patil Science College, Solankur

Taluka: Radhanagari District: Kolhapur 416212

Add on Certificate Courses During 2021-22

Name of Add on Certificate programs offered	Department	Course Start Date	Course End Date	Duration of course (Hours)	Number of students enrolled in the year
Preparation of Hand Sanitizer	Chemistry	25/10/2021	25/04/2022	30	40
Goat Farming	Zoology	05/03/2022	21/05/2022	40	40
Ethno-botanical Studies	Botany	03/10/2021	16/01/2022	35	30
Telescope Making	Physics	05/11/2022	31/12/2022	32	19
Yoga and Meditation	Sports	28/10/2021	25/01/2022	40	20
Total: 05					149



PRINCIPAL
Shri Yashwantrao Patil Science College,
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CO-ORDINATOR
Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)



||Dnyan-seva-tyag||

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE

SOLANKUR

TAL. RADHANAGARI, DIST. KOLHAPUR - 416212

PHONE - 02321 231561

Email: ypsmsolankur@gmail.com

Affiliated to Shivaji University, Kolhapur

Department of Chemistry

Add on Course: - Preparation of Hand Sanitizer

(Academic Year-2021-22)

Topics

1. Introduction of Hand Sanitizer
2. Literature survey of preparation of hand Sanitizer.
3. Experimental works to Homemade Hand Sanitizer.
4. Experimental works to Aloe Vera Hand Sanitizer.
5. Result analysis

Duration

Duration is of 30 lectures in whole academic year.

Guest Faculty and Faculty In-charge

Year	Admitted Students	Guest Lecturers Invited	Faculty Incharge
2021-22	40	Dr. U. B. Chougale (KHC)	Dr. N. V. Junghare

Course start date and end date

Year	No. of Students enrolled	Start date	End date	Hours engaged
2021-22	40	25/10/2021	25/04/2022	30

Inauguration: - In-Charge Principal Dr. G. G. Chougale

Certificate were distributed at the end of the course.

[Signature]

Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



[Signature]
PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Syllabus

Topics

1. Introduction of Hand Sanitizer
2. Literature survey of preparation of hand Sanitizer.
3. Experimental works to Homemade Hand Sanitizer.
4. Experimental works to Aloe Vera Hand Sanitizer.
5. Result analysis.

Time: - Every Saturday 12.00p.m. onwards

Work distributions

Year 	2021-22
Faculty 	
Dr. G. G. Chougale	5- Lectures
Mr. J. K. Chavan	5- Lectures
Dr. A. D. Kamble	5- Practicals
Mr. S. D. Gorshetwar	5- Practicals
Mr. P. S. Pawar	5- Practicals
Dr. N. V. Junghare	5- Practicals
Dr. U. B. Chougale (KHC)	2- lectures



Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Preparation of Hand Sanitizer

Introduction:

Making hand sanitizer at home using aloe vera is possible, but it's important to note that commercially prepared hand sanitizers with at least 60% alcohol are recommended by health authorities like the CDC for effective germ-killing. Aloe vera can be added to a homemade sanitizer to help counteract the drying effects of alcohol on the skin. Here's a simple recipe for a homemade hand sanitizer using aloe vera:

Ingredients:

1. Isopropyl alcohol (99% or at least 60% alcohol content)
2. Aloe vera gel
3. Essential oil (optional, for fragrance)

Instructions:

1. **Gather the ingredients:** Make sure you have isopropyl alcohol with at least 60% alcohol content, aloe vera gel, and optional essential oil for fragrance.
2. **Measure the ingredients:** For every 2 parts of isopropyl alcohol, you'll need 1 part of aloe vera gel. For example, if you have $\frac{2}{3}$ cup of isopropyl alcohol, you would use $\frac{1}{3}$ cup of aloe vera gel.
3. **Mix the ingredients:** In a clean bowl, combine the measured isopropyl alcohol and aloe vera gel. Use a spoon or whisk to mix them thoroughly.
4. **Add essential oil (optional):** If you want to add fragrance to your hand sanitizer, you can add a few drops of your preferred essential oil. Stir well to distribute the fragrance evenly.



5. **Transfer to a container:** Pour the mixture into a small, empty bottle for convenient use. A small squeeze bottle or a travel-sized container works well.

6. **Label the container:** Clearly label the container as "Hand Sanitizer" so that you and others can easily identify its contents.

7. **Usage:** Apply a small amount of the homemade hand sanitizer to your hands and rub them together until dry.

Remember, this homemade hand sanitizer is not a substitute for thorough handwashing with soap and water. It's most effective when soap and water are not available, and you need a quick solution to clean your hands. Additionally, ensure that your hands are visibly clean before using hand sanitizer for the best results.


Head
Department of Chemistry




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Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

**Add on Certificate Course on Preparation of Hand
Sanitizer**

Academic Year 2021-22

Date: 01/12/2021

NOTICE

All the students of B. Sc. III Chemistry are hereby informed that Department of Chemistry has organized "Add on course on Preparation of Hand Sanitizer" from Saturday, 04/12/2021. Interested students are informed that they should remain present for course on time at Chemistry Department.


Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.





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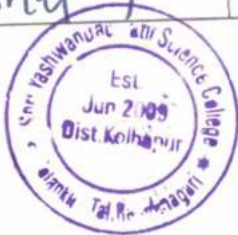
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Shri Yashwantrao Patil Science College, Solankur

Department of Chemistry

Add on Certificate Course on Preparation of Hand
Sanitizer

Academic Year 2021-22

Sr. No.	Name of Students	Class	Signature
1	Amate Vishal A.	B.Sc.III	Amate
2	Acade Poonam B.	—	Acade
3	Asekar pravin S.	—	Asekar
4	Awalkar Kishor D.	—	Kishor
5	Bagadi Amol M.	—	Amol
6	Balwade Shahanus H.	—	Balwade
7	Bhandari Ritesh	—	Bhandari
8	Bhopale Sachin N.	—	Bhopale
9	Bhopale Shubham J.	—	Bhopale
10	Bodake Prakash A.	—	Bodake
11	Bongarde Asmita A.	—	Bongarde
12	Bosale Kishan D.	—	Bosale
13	Bavadekar Shreya A.	—	Bavadekar
14	Chavan Sudashan S.	—	Chavan
15	Chavan Vishal T.	—	Chavan



16	Chougale Adarsh R.	B.Sc-III	APC
17	Chougale Akash A.	—	Adarsh
18	Chougale Mihant D.	—	Adarsh
19	Chougale Prasad A.	—	APC
20	Chougale Rutvik S.	—	APC
21	Chougale Saniket S.	—	APC
22	Dakore Uttam V.	—	APC
23	Dhapale Digambar R.	—	APC
24	Desai Vaibhav B.	—	APC
25	Devadkar Prajwal S.	—	APC
26	Dhanavade Rohan D.	—	APC
27	Ekal BhalChandra A.	—	APC
28	Ekal Pratiksha S.	—	APC
29	Eendlar Shreyas T.	—	APC
30	Farakate Gousan S.	—	APC
31	Farakate Soumesh L.	—	APC
32	Farakate Aditya V.	—	APC
33	Farakate Tushar L.	—	APC
34	Gaud Pralhad N.	—	APC
35	Gusav Aniket Ya.	—	APC
36	Gusav Pralhad N.	—	APC
37	Gusav Aniket S.	—	APC
38	Chougale Sampati K.	—	APC
39	Gusav Bhawo B.	—	APC
40	Gusav Shweta S.	—	APC

Darsh

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



SNV

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Shri Yashwantrao Patil Science College, Solankur

Department of Chemistry

Add on Course: - Preparation of Hand Sanitizer

Add on course attendance

Year 2021-22

[illegible]

4/12/2021	11/12/2021	18/12/2021	15/12/2021	1/01/2022	8/01/2022	15/01/2022	22/01/2022	5/02/2022	12/02/2022	19/02/2022	26/02/2022	26/02/2022	18/02/2022
Chavan vishal. T.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Adarsh. R.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Akash. A.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Nishant. D.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Prasad. A.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Rutvik. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Sanket. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Sampat. K.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Chougale Vishal. G.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Dakare Nitish. V.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Daphale Digambar. R.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Desai Vaibhav. B.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Devanekar Prajwal. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Dhanavade Rohan. D.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Ekal Bhalachandra. A.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Ekal Pratiksha. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Erudakar Shreyas. T.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Erudakar Aditya. V.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Erudakar Gourav. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Erudakar Sourabh. L.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Erudakar Tuskar. L.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Gaud Pralhad. N.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Gurav Aniket. S.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR
Gurav Aniket Yuvraj. A.	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR



"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE
ON

Preparation of Hand Sanitizer

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS. Bogarde Asmita A. HAS PARTICIPATED
IN **ADD ON COURSE ON "PREPARATION OF HAND SANITIZER"** ORGANIZED BY DEPARTMENT OF
CHEMISTRY OF SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR

2021-2022

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator



PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE

ON

Preparation of Hand Sanitizer

DEPARTMENT OF CHEMISTRY



CERTIFICATE

HAS PARTICIPATED

Bagadi Amol M.

THIS IS TO CERTIFY THAT MR./MISS..... ORGANIZED BY DEPARTMENT OF

IN ADD ON COURSE ON "PREPARATION OF HAND SANITIZER" ORGANIZED IN THE ACADEMIC YEAR

CHEMISTRY OF SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR

20.21.- 20.22

Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator



Principal

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Preparation of Hand Sanitizer



[Signature]

Head
Department of Chemistry



[Signature]
PRINCIPAL

Shri Yashwantrao Patil Science College,
Kolhapur, Tal. Radhanagari, Dist. Kolhapur.

Add on Certificate Course On

Goat Farming

Organized by

Department of Zoology

Course Incharge

Dr. V.M.Lagade

Course Duration: 05 March 2022 - 22 May 2022



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Syllabus

Add on Certificate Course on Goat Farming

Academic Year 2021-22

Total Hrs- 40

Theory:

- 1.Types of Breeds
- 2.Food and feeding practices
- 3.Development and production of milk, meat and wool
- 4.Housing and Management
- 5.Diseases
- 6.Sheep and goat population and their role in economy

Practical:

1. Study of Goat and Sheep breeds (Indian and exotic)
- 2.Food and feeding (Natural and artificial food source)
- 3.Preparation of good quality milk, meat and wool
- 4.Maintaining hygienic conditions and management
- 5.Disease control and economic importance



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Goat Farming
Academic Year 2021-22

Objectives:

1. Rural economy Development
2. Selection of goat breeds for definite reasons
3. Goat farming management practices
4. To understand different types of diseases and their treatment



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College, Solankur.

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Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

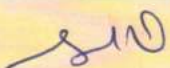
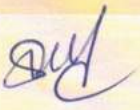
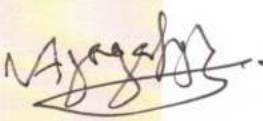
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Add on Certificate Course on Goat Farming
Academic Year 2021-22

Sr.No	CONTENT
1.	Notice
2.	Syllabus
3.	Objectives
4.	Time Table
5.	List of Participants
6.	Attendance
7.	Question Paper
8.	Result
9.	Report
10.	Certificate



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Goat Farming
2021-22
Board of Studies

Sr.No.	Name	Designation	Current status	Sign
1.	Dr. G.G. Chougale	I/C Principal	Chairperson	
2.	Dr. S.V. Madhale	IQAC Coordinator	Member	
3.	Dr. B.S. Wali	Head, Dept. of Zoology	Member	
4.	Dr. V.M. Lagade	Asst. Professor, Dept. of Zoology	Member	
5.	Dr. S.V. Bhosale	Asst. Professor, Dept. of Zoology	Member	
6.	Dr. V.A. Jagatap	Asst. Professor, Dept. of Zoology, K.H.College, Gargoti	Expert	



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

**Add on Certificate Course on Goat Farming
Academic Year 2021-22**

Date:02/03/2022

NOTICE

All the students of B. Sc. III and B.Sc. II are here by informed that Department of Zoology has organized "Add on Certificate Course on Goat Farming " from Saturday 05 March 2022. Interested students are informed that they should remain present for course on time at Zoology department.

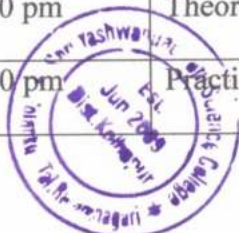



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Goat Farming

Theory and Practical
Time Table: 2021-22

Date	Time	Theory/Practical	Name of Faculty
05/03/2022	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
05/03/2022	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale
12/03/2022	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
12/03/2022	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
19/03/2022	01:00 to 3:00 pm	Theory	Dr.B.S. Wali
19/03/2022	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale
26/03/2022	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
26/03/2022	03:00 to 5:00 pm	Practical	Dr. B. S. Wali
02/04/2022	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
02/04/2022	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
09/04/2022	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
09/04/2022	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
23/04/2022	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
23/04/2022	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
07/05/2022	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
07/05/2022	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade



14/05/2022	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
14/05/2022	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale
21/05/2022	01:00 to 3:00 pm	Theory	Dr. V. A. Jagtap
21/05/2022	03:00 to 5:00 pm	Practical	Dr. V. A. Jagtap




Head
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 College, Solankur.

Shri Vyankannath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Goat Farming

Time Table-2021-22

Theory & practical

December, January and February

Time Table	3 rd Saturday 05/03/2022	4 th Saturday 12/03/2022	4 th Saturday 19/03/2022	4 th Saturday 26/03/2022	1 st Saturday 02/04/2022	2 nd Saturday 09/04/2022	4 th Saturday 23/04/2022	2 nd Saturday 07/05/2022	3 rd Saturday 14/05/2022	4 th Saturday 21/05/2022
Theory 1:00 to 03:00	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.V.M. Lagade	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.S.V. Bhosale	Dr.V.A. Jagtap
Practical 3:00 to 05:00	Dr.S.V. Bhosale	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.B.S. Wali	Dr.B.S. Wali	Dr.V.M. Lagade	Dr.S.V. Bhosale	Dr.V.A. Jagtap

Dr. B.S. Wali
Dr. V.M.Lagade
Dr. S.V.Bhosale

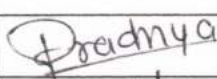
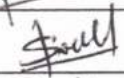
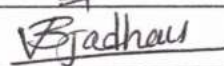
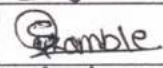
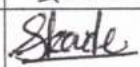
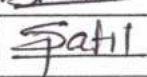
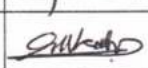
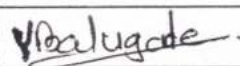
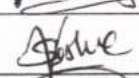
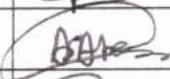
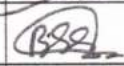
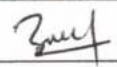
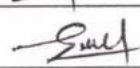
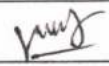
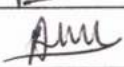
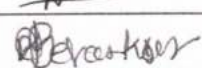
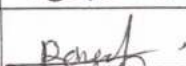
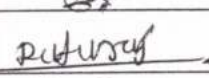
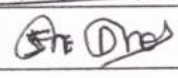
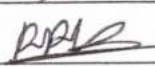


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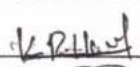
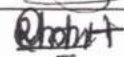
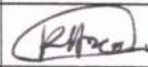
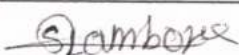
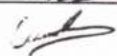
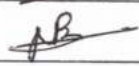
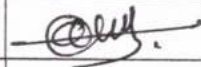
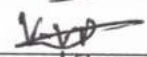
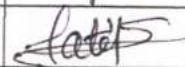
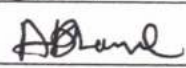
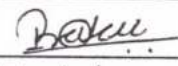
Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Goat Farming
2021-22

ADMISSIONS FOR GOAT FARMING

Sr. No.	Name of Student	Class	Signature
1.	Patil Pradnya Dattatray	B.Sc.III	
2.	Rane Sayali Dilip	B.Sc.III	
3.	Jadhav Vaishnavi Baburao	B.Sc.III	
4.	Kamble Rohini Gautam	B.Sc.III	
5.	Khade Sumit Dadaso	B.Sc.III	
6.	Patil Sarnojit Dilip	B.Sc.III	
7.	Agam Shubham Hindurao	B.Sc.II	
8.	Balugade Vaibhav Sunil	B.Sc.II	
9.	Barage Soham Prabhakar	B.Sc.II	
10.	Bhosale Ashitosh Ashok	B.Sc.II	
11.	Bote Sanket Shivaji	B.Sc.II	
12.	Chougale Amol Suresh	B.Sc.II	
13.	Dawar Sourabh Sambhaji	B.Sc.II	
14.	Desai Vinay Baburao	B.Sc.II	
15.	Devardekar Aditya Dilip	B.Sc.II	
16.	Fagare Digvijay Dilip	B.Sc.II	
17.	Fasake Ramesh Shivaji	B.Sc.II	
18.	Gavade Ankush Shamrao	B.Sc.II	
19.	Gurav Ruturaj Ramesh	B.Sc.II	
20.	Ingale Digvajay Bhanudas	B.Sc.II	
21.	Jadhav Rajendra Balavant	B.Sc.II	



22.	Kadam Digambar Dilip	B.Sc.II	
23.	Kamble Rohan Ashok	B.Sc.II	
24.	Khade Suraj Mahadev	B.Sc.II	
25.	Khapare Rohit Hari	B.Sc.II	
26.	Kurale Aniket Maruti	B.Sc.II	
27.	Lambore Swapnil Kondiba	B.Sc.II	
28.	Magdum Tushar Sunil	B.Sc.II	
29.	Mengane Girish Manohar	B.Sc.II	
30.	More Aniket Tanaji	B.Sc.II	
31.	Narake Pradip Shamrao	B.Sc.II	
32.	Navale Prasad Narayan	B.Sc.II	
33.	Parakhe Tejas Avadhut	B.Sc.II	
34.	Parit Varsha Vilas	B.Sc.II	
35.	Patil Arjun Ramdas	B.Sc.II	
36.	Ramane Sandip Maruti	B.Sc.II	
37.	Rane Akshay Balavant	B.Sc.II	
38.	Ranmale Prajyot Rajendra	B.Sc.II	
39.	Raut Samrin Riyaj	B.Sc.II	
40.	Shetake Aditya Bajirao	B.Sc.II	





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Shri Vyankannath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Goat Farming

2021-22

Attendance Report

March, April and May

Sr. No.	Name of the Student	3 rd Saturday 05/03/2022	4 th Saturday 12/03/2022	4 th Saturday 19/03/2022	4 th Saturday 26/03/2022	1 st Saturday 02/04/2022	2 nd Saturday 09/04/2022	4 th Saturday 23/04/2022	2 nd Saturday 07/05/2022	3 rd Saturday 14/05/2022	4 th Saturday 21/05/2022
1.	Patil Pradnya Dattatray	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya
2.	Rane Sayali Dilip	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
3.	Jadhav Vaishnavi Baburao	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav	V. Jadhav
4.	Kamble Rohini Gautam	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
5.	Khade Sumit Dadaso	Khade	Khade	Khade	Khade	Khade	Khade	Khade	Khade	Khade	Khade
6.	Patil Sarnojit Dilip	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
7.	Agam Shubham Hindurao	Agam	Agam	Agam	Agam	Agam	Agam	Agam	Agam	Agam	Agam
8.	Balugade Vaibhav Sunil	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade	V. Balugade
9.	Barage Soham Prabhakar	Barage	Barage	Barage	Barage	Barage	Barage	Barage	Barage	Barage	Barage
10.	Bhosale Ashitosh Ashok	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale



30.	More Aniket Tanaji	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
31.	Narake Pradip Shamrao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
32.	Navale Prasad Narayan	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
33.	Parakhe Tejas Avadhut	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
34.	Parit Varsha Vilas	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
35.	Patil Arjun Ramdas	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
36.	Ramane Sandip Maruti	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
37.	Rane Akshay Balavant	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
38.	Ranmale Prajyot Rajendra	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
39.	Raut Samrin Riyaj	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
40.	Shetake Aditya Bajirao	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil



[Signature]

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solapur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Goat Farming
Academic Year 2021-22

Question Paper

Time: 12:00 pm to 2:00pm

Max marks: 50

Sunday

Q. No 1: Write any three (long questions) (30)

- Describe in details products and by products of Goat and sheep
- Explain in details different breeds of Goats
- Feeding Management of Sheep and Goat
- Write in brief housing and maintenance of Goat and sheep

Q. No 2: Write any four (short questions) (20)

- Exotic breeds of goats and sheep
- Diseases of goats and sheep
- Economic importance of goat farming
- Nutritional management of sheep flock
- Vaccines for diseases in goat and sheep



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Marklist

Add on Certificate Course on Goat Farming
Academic Year 2021-22

Sr. No.	Name of the Student	Q. No 1	Q. No 2	Total
1.	Patil Pradnya Dattatray	24	15	39
2.	Rane Sayali Dilip	22	18	40
3.	Jadhav Vaishnavi Baburao	25	16	41
4.	Kamble Rohini Gautam	23	17	40
5.	Khade Sumit Dadaso	24	17	41
6.	Patil Sarnojit Dilip	26	16	42
7.	Agam Shubham Hindurao	22	18	40
8.	Balugade Vaibhav Sunil	21	18	39
9.	Barage Soham Prabhakar	23	17	40
10.	Bhosale Ashitosh Ashok	22	18	40
11.	Bote Sanket Shivaji	24	16	40
12.	Chougale Amol Suresh	25	17	42
13.	Dawar Sourabh Sambhaji	26	16	42
14.	Desai Vinay Baburao	23	17	40
15.	Devardekar Aditya Dilip	22	18	40
16.	Fagare Digvijay Dilip	21	18	39
17.	Fasake Ramesh Shivaji	23	16	39
18.	Gavade Ankush Shamrao	24	17	41
19.	Gurav Ruturaj Ramesh	22	18	40



20.	Ingale Digvajay Bhanudas	23	18	41
21.	Jadhav Rajendra Balavant	21	18	39
22.	Kadam Digambar Dilip	22	17	39
23.	Kamble Rohan Ashok	25	16	41
24.	Khade Suraj Mahadev	26	17	43
25.	Khapare Rohit Hari	23	16	39
26.	Kurale Aniket Maruti	22	18	40
27.	Lambore Swapnil Kondiba	21	17	38
28.	Magdum Tushar Sunil	20	18	38
29.	Mengane Girish Manohar	22	17	39
30.	More Aniket Tanaji	23	16	39
31.	Narake Pradip Shamrao	24	17	41
32.	Navale Prasad Narayan	25	16	41
33.	Parakhe Tejas Avadhut	24	17	41
34.	Parit Varsha Vilas	22	18	40
35.	Patil Arjun Ramdas	23	16	39
36.	Ramane Sandip Maruti	25	17	42
37.	Rane Akshay Balavant	22	18	40
38.	Ranmale Prajyot Rajendra	23	17	39
39.	Raut Samrin Riyaj	21	18	39
40.	Shetake Aditya Bajirao	24	16	40



AS.

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

ADD ON CERTIFICATE COURSE

ON

GOAT FARMING



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

REPORT
Add on Certificate Course on Goat Farming
Academic Year 2021-22



Visit to Goat farm by Students

The livestock production in India includes rearing of animals like buffalo's, cows, goats, poultry, donkey and horses. Livestock production is an important source for food, meat, milk and for transporting. In India about 20.5 million people depend upon livestock for their life. It provides livelihood to rural India. It provides employment to large population. India stands in 3rd position in sheep population. Livestock is source for major income in most of the families. Sheep and goat are importance source for meat.

Goat farming is rearing of domestic goats for their meat, milk, fibre, and skin. It gives income and provides employment to the people. Goat meat



contains less amount of saturated fatty acids and cholesterol. Some goat are specially reared for milk, it is used to make cheese. Milk is processed into butter, ice cream, yogurt. Goat fur is used as wool. Its skin is also useful in leather industry.

We provide knowledge about livestock production and specially Goat farming. In rural areas students are very much interested in Livestock production. Goat is commonly known as poor man's cow. Goat farming is suitable for less and landless people. It is economically viable sector to the rural people. In short period more revenue is achieved.

Certificate Course on Goat Farming aims to convey skill and information about goat farming to establish as a practicable business. Shri. Yashwantrao Patil Science College, Solankur. Department of Zoology has open this course for B.Sc. III and B.Sc. II year students. This course was conducted during the academic year 2021-22. During this course lectures, practical and field visit were conducted by department. For this course 40 students were enrolled from B.Sc. II and B.Sc. III Dr. B.S. Wali, Dr. V.M. Lagade and Dr. S.V. Bhosale conducted the practical and theory period.





C26R+M8J, Patil galli, Radhanagari, Maharashtra 416212, India

Latitude

16.412256666666668°

Longitude

74.04037666666666°

Local 02:19:17 PM

GMT 08:49:17 AM

Altitude 573.3 meters

Thursday, 12-05-2022



GOAT FARMING VISIT, MALAVE



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Affiliated to Shivaji University, Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt Bhosale Ashitash Ashok has
successfully completed the Advance Course on Goat Farming organised by Department of Zoology,
Shri Yashwantrao Patil Science College, Solankur for the academic year of 20 -20



Dr. B. S. Wali

Head, Department of Zoology

Dr. G. G. Chougale

Principal





SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Affiliated to Shivaji University, Kolhapur

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Smt Kamble Rohini Gautam has

successfully completed the Advance Course on Goat Farming organised by Department of Zoology,

Shri Yashwantrao Patil Science College, Solankur for the academic year of 20 -20



Dr. B. S. Wali

Head, Department of Zoology

Dr. G. G. Chougale

Principal





**SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR**

DEPARTMENT OF BOTANY

Academic year-2019-20



**STUDY OF
INDIGENOUS
MEDICINAL
PLANTS**

Course Coordinator

Dr. S. V. Madhale

Course Started on: 03/10/2021

Course Ended on: 30/01/2022



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2021-22

Add on Course

“Study of Indigenous Medicinal Plants”

The Study of Indigenous Medicinal Plants add-on course is an exciting opportunity for B.Sc. students living in the Western Ghats to learn about the rich and diverse relationship between people and plants in the region. This course will provide students with the knowledge and skills to explore and document traditional plant use, identify and classify plants, and understand the cultural and economic significance of plants.

The Western Ghats are one of the most biodiverse regions in the world, with a wide range of plant and animal life. The region is also home to a variety of indigenous cultures, each with its own unique knowledge and understanding of the local flora. The Study of Indigenous Medicinal Plants add-on course will provide students with the opportunity to learn from these cultures and to gain a deeper understanding of the relationship between people and plants in the Western Ghats.

This course is important for B.Sc. students living in the Western Ghats for a number of reasons. First, it will provide them with the knowledge and skills necessary to conduct ethnobotanical research. This is an important skill for students who are interested in pursuing a career in environmental science, conservation, or natural resource management. Second, the course will help students to better understand and appreciate the cultural and economic significance of plants in the Western Ghats. This is important for students who are interested in working with indigenous communities or who want to promote sustainable development in the region.

The course will also include a hands-on component, where students will learn how to identify, collect, and prepare medicinal plants.

DURATION

Seven Sundays during each year (7 days)




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

FACULTY

Sr. No.	Faculty
1	Dr. S. V. Madhale
2	Dr. M. S. Sutare
3	Dr. S. P. Dorugade

VISITING FACULTY:

Sr. No.	Name	College
1	Dr. P. D. Shiraganve	Devchand college, Arjunnagar
2	Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
3	Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara.

COURSE WORK LOAD

Total hours of teaching: 25 (including field visit and test)

Teacher name	Lecture	Practical	Total hours
Dr. S. V. Madhale	2 hrs.	12 hrs	14 hrs.
Dr. M. S. Sutare	2 hrs.	12 hrs	14 hrs.
Dr. S. P. Dorugade	4 hrs.	08 hrs	12 hrs
		Total	40 hrs.

Course Started on: 06/10/2021

Course Ended on: 30/01/2020

Certificates were distributed at the end of the course.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypmsolankur@gmail.com / ypvms.436.cl@gmail.com
Website: www.ypsc.ac.in
Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Date: 10/09/2021

DEPARTMENT OF BOTANY

Academic Year: 2021-22

NOTICE

This is to inform all the B. Sc. students that the admission process for the Add on course "Study of Indigenous Medicinal Plants" has started. The course will start on 06/10/2021 and the last date of admission is 01/10/2021.

Interested students should enrol to the Department of Botany by the last date of admission.

For more information, please contact Dr. S V. Madhale, Head, Department of Botany.



A handwritten signature in blue ink, appearing to be "S. V. Madhale".

Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2021-22

Add on Course

“Study of Indigenous Medicinal Plants”

SYLLABUS

1. Introduction of Indigenous Medicinal Plants
2. Medicinal Properties of Indigenous Medicinal Plants
3. Conservation of Indigenous Medicinal Plants

PRACTICAL

1. Identification of Indigenous Medicinal Plants
2. Study of Indigenous Medicinal Plants
3. Ethnobotanical Survey of Indigenous Medicinal Plants




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2021-22

Add on Course

“Study of Indigenous Medicinal Plants”

BOARD OF STUDIES

Dr. C. P. Bhagat	Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti
Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
Dr. P. D. Shirgave	Devachand College, Arjunnagar
Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara
Dr. S. V. Madhale	Shri Yashwantrao Patil Science College, Solankur
Dr. M. S. Sutare	Shri Yashwantrao Patil Science College, Solankur
Dr. S. P. Dorugade	Shri Yashwantrao Patil Science College, Solankur



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2021-22

Add on Course

“Study of Indigenous Medicinal Plants”

TIMETABLE

Time	Activity	03/10/2021	17/10/2021	07/11/2021	21/11/2021	05/12/2021	19/12/2021	02/01/2022	16/01/2022
11:00-11:50 am	Lecture	SVM	MSS	SPD	SVM	SPD	MSS	SPD	SPD
12:00-03: 00 pm	Practical/ Field work	SPD	SVM	MSS	MSS	SPD	SVM	SVM	MSS




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ACADEMIC YEAR 2021-2022
ATTENDANCE FOR LECTURE

Sr.no.	Name of Student	03/10/2021	17/10/2021	07/11/2021	21/11/2021	05/12/2021	19/12/2021	02/01/2022	16/01/2022
1.	Lugade Vishwajeet Mahadev	Omugade	Omugade	Omugade	Omugade	Omugade	Omugade	Omugade	Omugade
2.	Dhere Vikas V.	P. V. V. D.	V. V. D.	V. V. D.	V. V. D.	V. V. D.	V. V. D.	V. V. D.	V. V. D.
3.	Ekal Pratiksha Sanjay	P. Ekal	P. Ekal	P. Ekal	P. Ekal	P. Ekal	P. Ekal	P. Ekal	P. Ekal
4.	Patil Pushpa Vasant	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil
5.	Gulavani Jyoti Gajanan	J. G. G.	J. G. G.	J. G. G.	J. G. G.	J. G. G.	J. G. G.	J. G. G.	J. G. G.
6.	Panari Sneha Sunil	S. Panari	S. Panari	S. Panari	S. Panari	S. Panari	S. Panari	S. Panari	S. Panari
7.	Patil Priyanka Satappa	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil	P. Patil
8.	Ghorpode Tanuja Tanaji	T. T. G.	T. T. G.	T. T. G.	T. T. G.	T. T. G.	T. T. G.	T. T. G.	T. T. G.
9.	Mahat Ruksana Adam	P. Mahat	P. Mahat	P. Mahat	P. Mahat	P. Mahat	P. Mahat	P. Mahat	P. Mahat
10.	Patil Neeta Shivaji	N. S. Patil	N. S. Patil	N. S. Patil	N. S. Patil	N. S. Patil	N. S. Patil	N. S. Patil	N. S. Patil
11.	Patil Shweta Sanjay	S. Patil	S. Patil	S. Patil	S. Patil	S. Patil	S. Patil	S. Patil	S. Patil
12.	Powar Sakshi Dilip	S. D. P.	S. D. P.	S. D. P.	S. D. P.	S. D. P.	S. D. P.	S. D. P.	S. D. P.
13.	Tipugade Sayali Namdev	S. Tipugade	S. Tipugade	S. Tipugade	S. Tipugade	S. Tipugade	S. Tipugade	S. Tipugade	S. Tipugade
14.	Raut Samarin Riyaj	R. Raut	R. Raut	R. Raut	R. Raut	R. Raut	R. Raut	R. Raut	R. Raut
15.	Patil Vivek Chandrakant	V. C. P.	V. C. P.	V. C. P.	V. C. P.	V. C. P.	V. C. P.	V. C. P.	V. C. P.
16.	Arekar Atharv Parshuram	A. Arekar	A. Arekar	A. Arekar	A. Arekar	A. Arekar	A. Arekar	A. Arekar	A. Arekar
17.	Bailkar Sakshi Shashikant	S. S. B.	S. S. B.	S. S. B.	S. S. B.	S. S. B.	S. S. B.	S. S. B.	S. S. B.
18.	Bujare Sakshi Dattatray	S. B.	S. B.	S. B.	S. B.	S. B.	S. B.	S. B.	S. B.
19.	Chavan Akanksha Anil	A. Chavan	A. Chavan	A. Chavan	A. Chavan	A. Chavan	A. Chavan	A. Chavan	A. Chavan
20.	Chougale Vishwajit Dattatray	V. D. C.	V. D. C.	V. D. C.	V. D. C.	V. D. C.	V. D. C.	V. D. C.	V. D. C.
21.	Dangare Pooja Rajendra	P. Dangare	P. Dangare	P. Dangare	P. Dangare	P. Dangare	P. Dangare	P. Dangare	P. Dangare
22.	Kamble Rohan Ashok	R. Kamble	R. Kamble	R. Kamble	R. Kamble	R. Kamble	R. Kamble	R. Kamble	R. Kamble
23.	Karivdekar Sanika Dattatray	S. D. K.	S. D. K.	S. D. K.	S. D. K.	S. D. K.	S. D. K.	S. D. K.	S. D. K.
24.	Sutar Sarita Uttam	S. Sutar	S. Sutar	S. Sutar	S. Sutar	S. Sutar	S. Sutar	S. Sutar	S. Sutar
25.	Jarag Prathamesh Pandurang	P. Jarag	P. Jarag	P. Jarag	P. Jarag	P. Jarag	P. Jarag	P. Jarag	P. Jarag
26.	Kadam Digambar Dilip	D. Kadam	D. Kadam	D. Kadam	D. Kadam	D. Kadam	D. Kadam	D. Kadam	D. Kadam
27.	Mulik Atul Rajaram	A. Mulik	A. Mulik	A. Mulik	A. Mulik	A. Mulik	A. Mulik	A. Mulik	A. Mulik
28.	Narake Pradip Shamrao	P. S. N.	P. S. N.	P. S. N.	P. S. N.	P. S. N.	P. S. N.	P. S. N.	P. S. N.
29.	Dhumal Harshal Kiran	H. K.	H. K.	H. K.	H. K.	H. K.	H. K.	H. K.	H. K.
30.	Erudkar Shubham Balavant	S. B. E.	S. B. E.	S. B. E.	S. B. E.	S. B. E.	S. B. E.	S. B. E.	S. B. E.

(Signature)

Teacher in Charge



Head of the Department
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ATTENDANCE FOR PRACTICAL/ FIELD WORK

Sr.no.	Name of Student	03/10/2021	17/10/2021	07/11/2021	21/11/2021	05/12/2021	19/12/2021	02/01/2022	16/01/2022
1.	Lugade Vishwajeet Mahadev	Gmugade	Gmugade	Gmugade	Gmugade	Gmugade	Gmugade	Gmugade	Gmugade
2.	Dhere Vikas V.	V.V.D	V.V.D	V.V.D	V.V.D	V.V.D	V.V.D	V.V.D	V.V.D
3.	Ekal Pratiksha Sanjay	PSEkal	PSEkal	PSEkal	PSEkal	PSEkal	PSEkal	PSEkal	PSEkal
4.	Patil Pushpa Vasant	PUPatil	PUPatil	PUPatil	PUPatil	PUPatil	PUPatil	PUPatil	PUPatil
5.	Gulavani Jyoti Gajanan	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji
6.	Panari Sneha Sunil	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji	SPanaji
7.	Patil Priyanka Satappa	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil
8.	Ghorpode Tanuja Tanaji	T.T.G	T.T.G	T.T.G	T.T.G	T.T.G	T.T.G	T.T.G	T.T.G
9.	Mahat Ruksana Adam	Pmbhat	Pmbhat	Pmbhat	Pmbhat	Pmbhat	Pmbhat	Pmbhat	Pmbhat
10.	Patil Neeta Shivaji	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil
11.	Patil Shweta Sanjay	SPPatil	SPPatil	SPPatil	SPPatil	SPPatil	SPPatil	SPPatil	SPPatil
12.	Powar Sakshi Dilip	S.D.P	S.D.P	S.D.P	S.D.P	S.D.P	S.D.P	S.D.P	S.D.P
13.	Tipugade Sayali Namdev	GNT	GNT	GNT	GNT	GNT	GNT	GNT	GNT
14.	Raut Samarin Riyaj	SPaut	SPaut	SPaut	SPaut	SPaut	SPaut	SPaut	SPaut
15.	Patil Vivek Chandrakant	V.C.P	V.C.P	V.C.P	V.C.P	V.C.P	V.C.P	V.C.P	V.C.P
16.	Arekar Atharv Parshuram	A.Arekar	A.Arekar	A.Arekar	A.Arekar	A.Arekar	A.Arekar	A.Arekar	A.Arekar
17.	Bailkar Sakshi Shashikant	S.S.B	S.S.B	S.S.B	S.S.B	S.S.B	S.S.B	S.S.B	S.S.B
18.	Bujare Sakshi Dattatray	SDR	SDR	SDR	SDR	SDR	SDR	SDR	SDR
19.	Chavan Akanksha Anil	ACHavan	ACHavan	ACHavan	ACHavan	ACHavan	ACHavan	ACHavan	ACHavan
20.	Chougale Vishwajit Dattatray	V.D.C	V.D.C	V.D.C	V.D.C	V.D.C	V.D.C	V.D.C	V.D.C
21.	Dangare Pooja Rajendra	P.Dangare	P.Dangare	P.Dangare	P.Dangare	P.Dangare	P.Dangare	P.Dangare	P.Dangare
22.	Kamble Rohan Ashok	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble	R.Kamble
23.	Karivdekar Sanika Dattatray	S.D.K	S.D.K	S.D.K	S.D.K	S.D.K	S.D.K	S.D.K	S.D.K
24.	Sutar Sarita Uttam	S.Sutar	S.Sutar	S.Sutar	S.Sutar	S.Sutar	S.Sutar	S.Sutar	S.Sutar
25.	Jarag Prathamesh Pandurang	P.Jarag	P.Jarag	P.Jarag	P.Jarag	P.Jarag	P.Jarag	P.Jarag	P.Jarag
26.	Kadam Digambar Dilip	DKadam	DKadam	DKadam	DKadam	DKadam	DKadam	DKadam	DKadam
27.	Mulik Atul Rajaram	A.Mulik	A.Mulik	A.Mulik	A.Mulik	A.Mulik	A.Mulik	A.Mulik	A.Mulik
28.	Narake Pradip Shamrao	P.S.N	P.S.N	P.S.N	P.S.N	P.S.N	P.S.N	P.S.N	P.S.N
29.	Dhumal Harshal Kiran	HK	HK	HK	HK	HK	HK	HK	HK
30.	Erudkar Shubham Balavant	S.B.E	S.B.E	S.B.E	S.B.E	S.B.E	S.B.E	S.B.E	S.B.E

Teacher in Charge



Head of the Department
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
Shri. A. Y. Patil Secretary	Shri. R. Y. Patil President	

Date: 16/01/2021

DEPARTMENT OF BOTANY

Academic Year: 2021-22

Add on Course

"Study of Indigenous Medicinal Plants"

NOTICE

This is to inform all the enrolled students of the Add on course "Study of Indigenous Medicinal Plants" that the final examination for the said course will be held on 30/01/2021 at 11:30 am.

All the enrolled students should be present at Department of Botany 30 minutes before given time.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

DEPARTMENT OF BOTANY
ADD ON COURSE EXAMINATION- 2021-22

“Study of Indigenous Medicinal Plants”

Time: - 1 hr.

Marks: 25

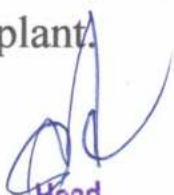
Q-1. Write short notes on any three of the following [15]

- A-Adulsa plant
- B-Medicinal content of Garlic plant
- C- Chemical content of Neem plant
- D- Traditional medicinal plants in India
- E- Clove

Q-2. Attempt any one of the following: [10]

- 1- Write the botanical name, classification plant part used and medicinal uses of Ginger plant.
- 2- Write the botanical name, classification plant part used and medicinal uses of Turmeric plant.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Study of Indigenous Medicinal Plants”

RESULT

Sr.no.	Name of Student	Marks
1.	Lugade Vishwajeet Mahadev	22
2.	Dhere Vikas V.	23
3.	Ekal Pratiksha Sanjay	17
4.	Patil Pushpa Vasant	19
5.	Gulavani Jyoti Gajanan	19
6.	Panari Sneha Sunil	18
7.	Patil Priyanka Satappa	17
8.	Ghorpode Tanuja Tanaji	19
9.	Mahat Ruksana Adam	22
10.	Patil Neeta Shivaji	17
11.	Patil Shweta Sanjay	20
12.	Powar Sakshi Dilip	23
13.	Tipugade Sayali Namdev	19
14.	Raut Samarin Riyaj	20
15.	Patil Vivek Chandrakant	22
16.	Arekar Atharv Parshuram	18
17.	Bailkar Sakshi Shashikant	22
18.	Bujare Sakshi Dattatray	21
19.	Chavan Akanksha Anil	18
20.	Chougale Vishwajit Dattatray	21
21.	Dangare Pooja Rajendra	23
22.	Kamble Rohan Ashok	18
23.	Karivdekar Sanika Dattatray	21
24.	Sutar Sarita Uttam	22
25.	Jarag Prathamesh Pandurang	18
26.	Kadam Digambar Dilip	22
27.	Mulik Atul Rajaram	17
28.	Narake Pradip Shamrao	18
29.	Dhumal Harshal Kiran	22
30.	Erudkar Shubham Balavant	20



Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari



Shri Vyanknath Shikshan Prasarak Mandal's

Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212

Email: ypvmsolankur@gmail.com / ypvms436.el@unishivaji.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.14) | Affiliated to Shivaji University, Kolhapur



Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Department of Physics

Certificate Course of Telescope Making

This course is designed under add-on course implemented by Shivaji University, Kolhapur to allow students to go beyond their curriculum and facilitate them to extend their interest level in telescope making.

The course includes hands on training of telescope making and planned to execute step by step to understand it better. First unit of the course is dedicated to the theoretical background of telescopes and the concepts regarding the same. Second unit consists of the processes of actual telescope making, precautions to be taken and the impact of skill of telescope maker to make it faultless. Practicals are designed in such a way that, students will be able to understand each and every process in detail and should be motivated to design and construct their own ideas. Final part of the course is night sky observation where students will implement their knowledge and instrument for actual observation.

After completing this course 1) students will be able to understand fundamental concepts regarding telescope 2) students will come to know theoretical background of telescopes 3) students will be familiar of process involved in telescope making 4) students will be able to design and construct their telescope own 5) students will be able to understand different constellations and deep sky objects in the night sky.

It makes students capable to start telescope making professionally and make them financially independent which is the motto of add-on courses.





Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212

Email: ypvmsolankur@gmail.com / ypvms436.el@unishivaji.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.14) | Affiliated to Shivaji University, Kolhapur

Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Department of Physics

Certificate Course of Telescope Making

(32 Hours)

Syllabus

Unit 1: Introduction to Telescopes

Introduction, Types of telescopes – reflector, refractor, cassegrain, parameters of telescope– aperture, focal length, magnification, resolution, F-ratio, field of view, terrestrial telescopes, space telescopes, Hubble telescope and James Webb Space Telescope.

4

Unit 2: Construction of telescope

Grinding of Mirrors - Types of abrasives, Plane glass, process of mirror grinding
Polishing of Mirrors - Types of polishing rouge, pitch tool, process of mirror polishing
Coatings - Coating techniques, coating materials, process of coating a mirror
Telescope Mountings - Types of mountings of telescopes – equatorial mounting, Alt-azimuth mounting, dobsonian mounting.

4

Practical:

1. Grinding of telescope plane glass tool
2. Polishing of telescope plane glass tool
3. Coating of telescope plane glass tool
4. Mounting of telescope
5. Night Sky Observation

24

Course Outcome:

After completing this course,

- 1) students will be able to understand fundamental concepts regarding telescope.
- 2) Students will come to know theoretical background of telescopes.
- 3) Students will be familiar of process involved in telescope making.
- 4) Students will be able to design and construct their telescope own.
- 5) Students will be able to understand different constellations and deep sky objects in the night sky.



Shri Yashwantrao Patil Science College, Solankur
Department of Physics
Certificate Course of Telescope Making

Board of Studies (BOS) Committee

BOS Chairman : Dr. G. G. Chougale (Principal)

BOS Co-ordinators : Dr. A. A. Jatrakar

BOS Members : Dr. R. B. Patil

Dr. S. H. Tamboli

Dr. S. V. Madhale (IQAC Head)




PRINCIPAL

Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur





Shri Vyanknath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur

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I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

20/10/2021

Notice

(Certificate Course of Telescope Making)

Dear students, we are excited to announce the commencement of our add-on course on **Certificate Course of Telescope Making**. Whether you're a stargazing enthusiast or simply curious about the cosmos, this hands-on experience will provide you with the skills and knowledge to create your own telescope. So, interested students from B Sc Part I, II and III are invited to register their names in **Department of Physics** for the course on or before 30/10/2021.

This course promises to be an illuminating adventure, so don't miss out this unique opportunity to explore the wonders of the universe from the comfort of your own creation. Get ready to reach for the stars!




Department of
Physics



॥ Gyan Seva - Tyag ॥

Shri Vyanknath Shikshan Prasarak Mandal's

Shri Yashwantrao Patil Science College, Solankur

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Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

List of Enrolled Students (2021-22)

Sr. No.	Name of Student
1	Munj Snehal
2	Musale Rutuja
3	Shinde Pradnya
4	Patil Vaishnavi
5	Harane Prajakta
6	Narkar Namrata
7	Khebudkar Samruddhi
8	Mhapasekar Anuja
9	Kamble Poonam
10	Patil Sushant
11	Gurav Pratik
12	Delekar Pranjal
13	Dhere Ashwini
14	Kumbhar Sakshi
15	Farakte Amruta
16	Patil Anushka
17	Patil Kiran
18	Gurav Varsha
19	Patil Dhanashri



**Department of
Physics**



॥ Gyan Seva - Tyag ॥
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Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Time Table (2021-22)

Session	Day	Time
Theory	Saturday	01.00 pm to 01.50 pm
Hands on Training	Saturday	01.00 pm to 04.20 pm




Department of
Physics

Department of Physics

Add on Course: Certificate course of Telescope making

Attendance

2021-22

Names/Dates	05/11/2022	12/11/2022	19/11/2022	26/11/2022	03/12/2022	10/12/2022	17/12/2022	24/12/2022	31/12/2022
Munj Snehal	T	T	P	T	P	T	P	P	P
Musale Rutuja	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज	खोदामुंज
Shinde Pradnya	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi
Patil Vaishnavi	-	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi
Harane Prajakta	Harane	Harane	Harane	Harane	Harane	Harane	Harane	Harane	Harane
Narkar Namrata	Narkar	Narkar	Narkar	Narkar	Narkar	Narkar	Narkar	Narkar	Narkar
Khebudkar Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi	Samruddhi
Mhapsekar Anuja	Pradi	-	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi	Pradi

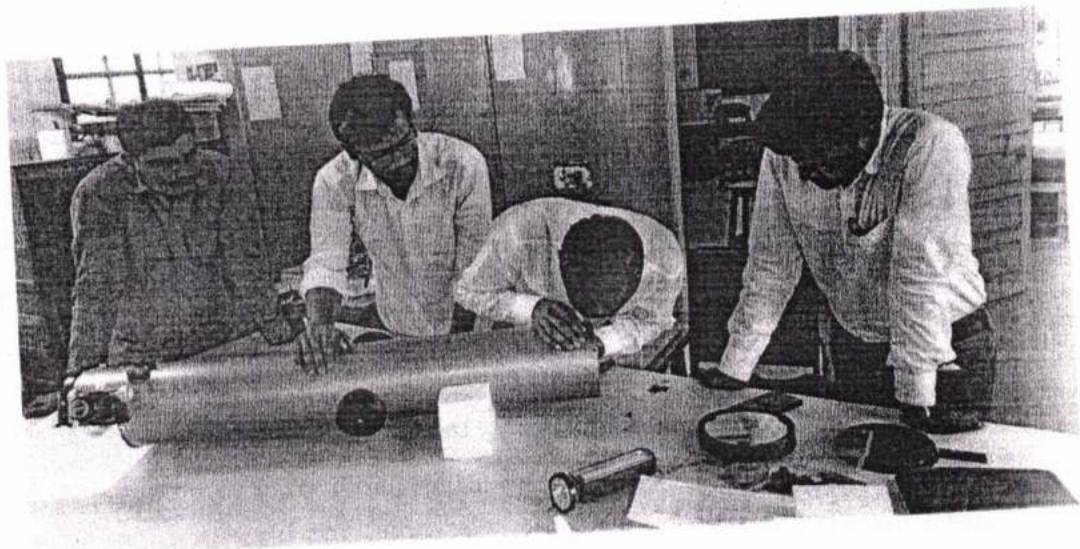
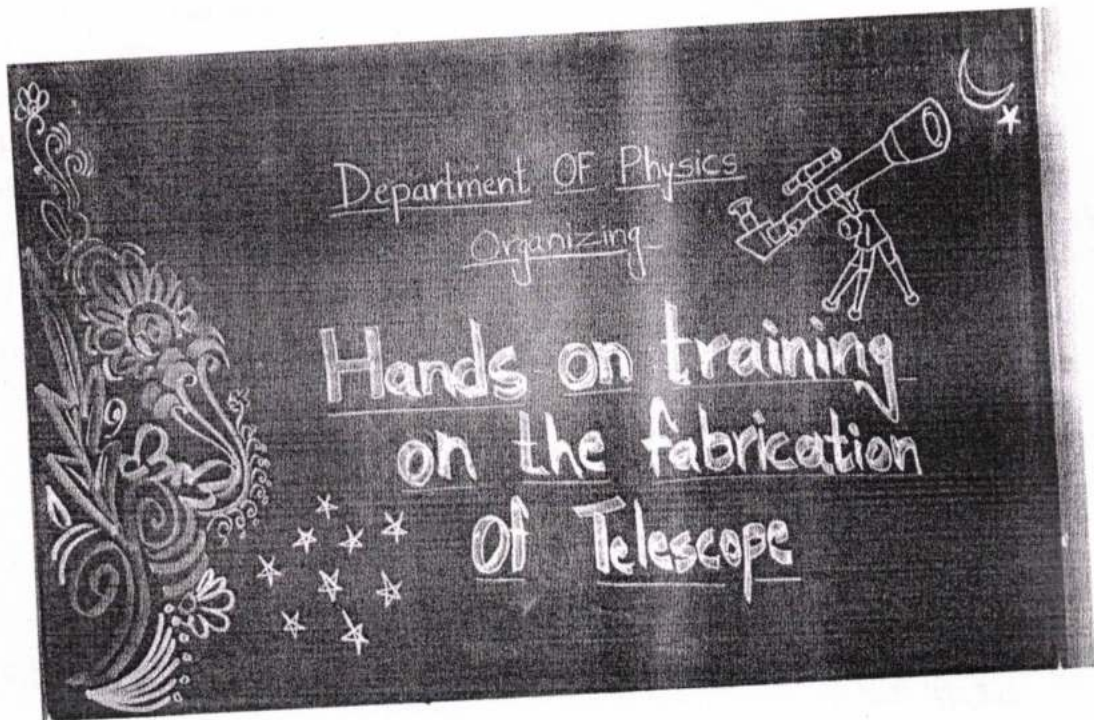


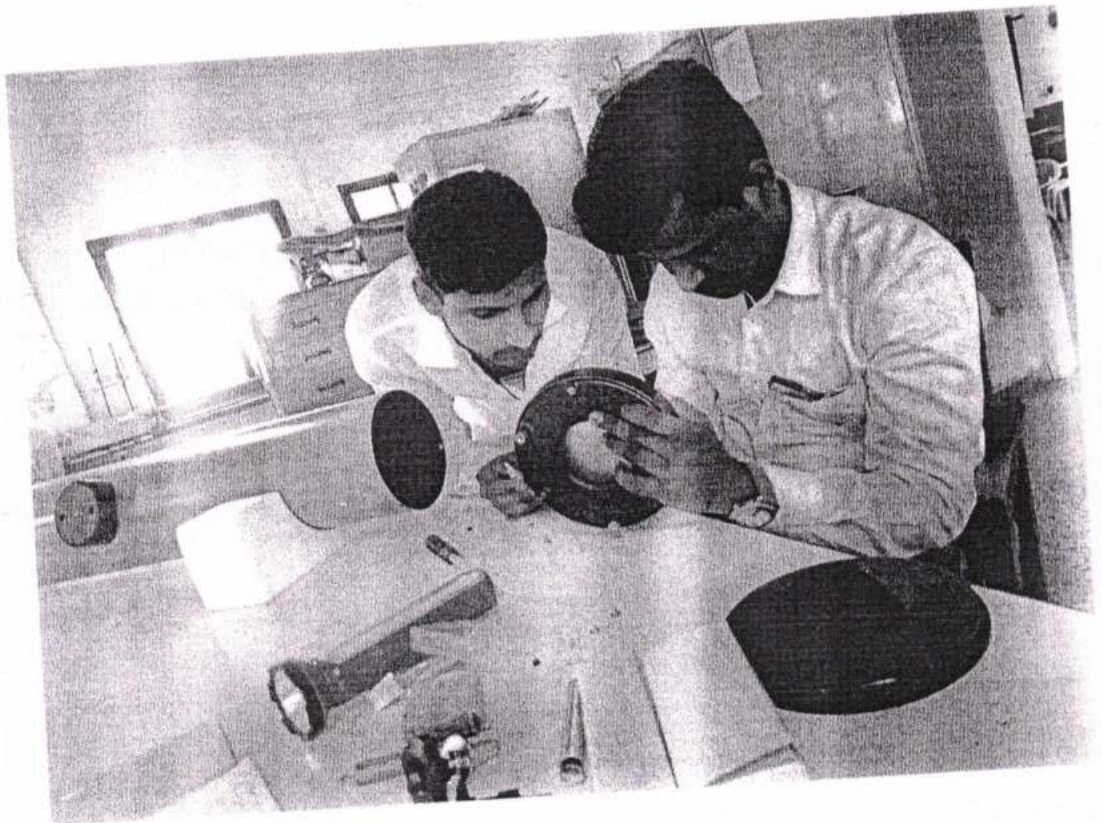
Kamble Poonam	<u>Kamble</u>	—	<u>Kamble</u>	—	<u>Kamble</u>	—	<u>Kamble</u>	—	<u>Kamble</u>
Patil Sushant	<u>Patil</u>	<u>Patil</u>	—	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	—
Gurav Pratik	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	—	<u>Gurav</u>	—	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>
Delekar Pranjal	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	<u>Delekar</u>	—
Dhere Ashwini	<u>Dhere</u>	<u>Dhere</u>	<u>Dhere</u>	—	<u>Dhere</u>	<u>Dhere</u>	<u>Dhere</u>	<u>Dhere</u>	—
Kumbhar Sakshi	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	—
Farkate Amruta	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>	<u>Farkate</u>
Patil Anushka	<u>A. S. Patil</u>	<u>A. S. Patil</u>	—	<u>A. S. Patil</u>	<u>A. S. Patil</u>	<u>A. S. Patil</u>	<u>A. S. Patil</u>	<u>A. S. Patil</u>	<u>A. S. Patil</u>
Patil Kiran	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	—	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
Gurav Varsha	<u>Gurav</u>	—	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>
Patil Dhanashri	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	—	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>

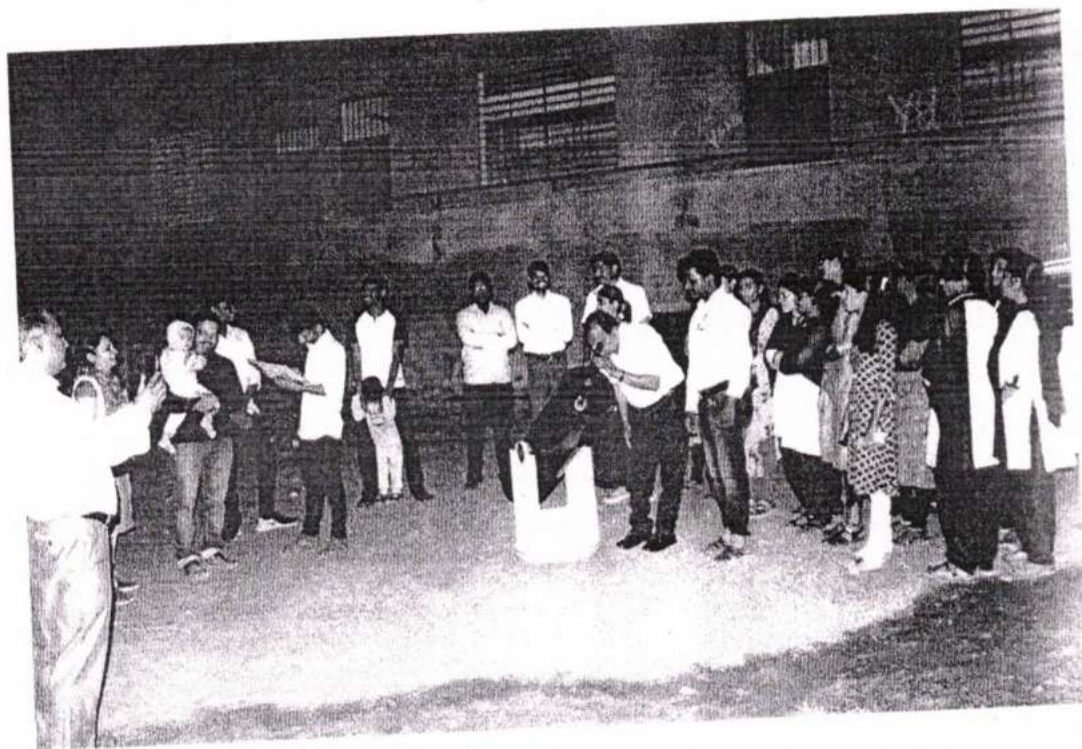


Head
Department of Physics
Shri Y P Science College, Solapur

Department of Physics
Certificate Course of Telescope Making









" DYAN SEVA TYAG "

Shri Vyanknath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science Mahavidyalaya, Solankur

Department of Physics

Addon Course on

Telescope Making

Certificate

This is to certify that,
Mr./Miss /Ms. **Hasane Rajakta**
student of B. Sc. Part I / II / III has successfully completed add-on course on Telescope making conducted
by Department of Physics during academic year ... **2021-22**
His/Her performance in the course is highly appreciated.


Co-ordinator


Head
Department of
Physics




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.
Principal

॥ GYAN SEVA TYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

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Shri. A. Y. Patil

Secretary

Shri. R. Y. Patil

President

DEPARTMENT OF SPORTS AND PHYSICAL EDUCATION

YPSC, SOLANKUR

“Certificate Course of Yoga and Meditation”

YEAR 2021-22

TOPICS

1. Define the term Yoga and Meditation
2. Discuss the function of the cardiovascular system during Yogic exercise
3. Discuss how Yoga and Meditation training can be used as effective tools to develop and maintain Mental fitness
4. Describe the benefits that Yoga and Meditation can have on overall health and fitness
5. Describe the benefits of Yogic exercise on muscular strength, endurance and power
6. Describe the effects that Yoga and Meditation training in extreme environments can have on the body




PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

PROGRAMME DURATION: Minimum duration to complete this program is 03 months.

REGISTRATION: The registration date for this programme is start by the first week of first semester of the college

OBJECTIVES:

- To enable the student to have good health
- To practice mental hygiene
- To possess emotional stability
- To integrate moral values.
- To attain higher level of consciousness

EXAMINATION & CERTIFICATION: After completion of 03 months training program exam will be conduct and get certificate to passed students.

OUTCOMES OF THE PROGRAMMES – Improved health and mental hygiene, increased emotional stability and attain higher level of consciousness, integrate moral values.

FACULTY

Sr. No.	Faculty
1	Dr. S. T. Magdum



SYLLABUS

Introduction and Importance of Yoga and Meditation

Yogic Exercise

In this module learn about Yogic exercise and it covers topics such as Yama, Niyama, Asana, Pranayama, Pratyahara, Dhyana, Dharana and Samadhi; Principles of Yogic Training; Yogic Training Methods. This module includes learning outcomes and lesson summary units.

Cardiovascular Training

In this module learn about cardiovascular training and it covers topics such as Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints. This module includes learning outcomes and lesson summary units

Running Safely

In this module learn about running safely and it covers topics such as Running Gear; Running Mechanics; Distance Building. This module includes learning outcomes and lesson summary units.

Strength Training

In this module learn about strength training and it covers topics such as Strength Training Terms; Muscular Balance; Diet and Exercise. This module includes learning outcomes and lesson summary units.

Calisthenics

In this module you about calisthenics and it covers topics such as Strength Development; and Calisthenic Exercises. This module includes learning outcomes and lesson summary units.

Plyometrics

In this module learn about plyometrics and it covers topics such as Plyometrics Training. This module includes learning outcomes and lesson summary units.

Training in Challenging Environments

In this module learn about training in challenging environments and it covers topics such as Training in Warm Environments; Training in Cool Environments; Training at High Altitudes. This module includes learning outcomes and lesson summary units.

Preventing & Treating Injuries

In this module learn about preventing & treating injuries and it covers topics such as Treating Inflammation Injuries; Treating Skeletal Injuries; Injury Management. This module includes learning outcomes and lesson summary units.

Performance-Enhancing Substances

In this module learn about performance-enhancing substances and it covers topics such as Using Anabolic Steroids; Hormones and Stimulants. This module includes learning outcomes and lesson summary units.



PRACTICAL

16. Yogic Exercise; Workouts and Asanas, and Pranayama
17. Meditation Mechanics
18. Muscular Balance; Diet and Exercise.
19. Calisthenic Exercises
20. Plyometrics Training

COURSE WORK LOAD

Total hours of teaching: 40 (including Lecture and Practical)

Teacher name	Lecture	Practical	Total hours
Dr. S. T. Magdum	20 hrs.	20 hrs.	40 hrs.

VISITING FACULTY

Sr. No.	Name	College
1	Dr. Prashant Patil	Cha.Shahaji College Kolhapur
2	Dr. Rahul Magdum	Shivraj College Gudhinglaj
3	Dr. Dhananjay Patil	Ajara mahavidhyalaya, Ajara.



Course started on 15 October 2021
Inauguration by In- charge Principal Dr. G.G. Chougule

PARTICIPATED STUDENTS ACADEMIC YEAR 2020-2021

Sr.No.	Students Name	Class
1	Patil Aniket Ananda	TY
2	Vharkat Vishwajeet	TY
3	Chaougale Vishwajeet	TY
4	Aarekar Atharwa	TY
5	Patil Suraj	TY
6	Bote Omkar	TY
7	Waingade Saurabha	TY
8	Pardole Gauraw	SY
9	Budhale Pranaw	SY
10	Patil Ashish	SY
11	Patil Ashish V	FY
12	More Aaditya	FY
13	Patil Pratiraj	FY
14	Patil Anuksha	SY
15	Powar Priyanka	SY
16	Patil Poonam	SY
17	Patil Asmita	SY
18	Mane Sandhya	SY
19	Farakate Aruna	SY
20	Kiloskar Poonam	TY



॥ GYAN SEVA TYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India), Pincode: 416212



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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Prashant Patil, from Cha. Shahaji College Kolhapur visited our college as guest and delivered a lecture on **Yoga and Meditation**, on 15/11/2021.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Rahul Magdum, from Shivaraj College Gudhinglaj visited our college as guest and delivered a lecture on **Yoga and Meditation**, on 29/12/2021.

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that, Dr. Dhananjay Patil from Ajara mahavidhyalaya, Ajara visited our college as guest and delivered a lecture on **Yoga and Meditation**, on 29/12/2021.

Course Co-Ordinator

Dr. Sushant Tanaji Magdum

Director.Sports and Physical Education

Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

NOTICE

It is for the information of all registered student of Physical Fitness course.
3month Course Duration are completed on 15th January and exam will be held
on 16th January 2021

Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director, Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

DEPARTMENT OF SPORTS
ADD ON COURSE EXAMINATION- 2021-22
“Certificate Course of Yoga and Meditation”

”

Time:- 1 hr

Marks: 25

Q-1. Write short notes on any three of the following

[15]

1. Meaning of Yoga
2. Meaning of Meditation
3. Cardiovascular Endurance
4. Strength Training

Q-2. Attempt any one of the following

[10]

1. Importance of Yogic Exercise
2. Importance's of Meditation



“Certificate Course of Yoga and Meditation”

Result Sheet

Sr.No.	Students Name	Obtained Marks
1	Patil Aniket Ananda	25
2	Vharkat Vishwajeet	21
3	Chaougale Vishwajeet	24
4	Aarekar Atharwa	23
5	Patil Suraj	22
6	Bote Omkar	25
7	Waingade Saurabha	21
8	Pardole Gauraw	21
9	Budhale Pranaw	23
10	Patil Ashish	24
11	Patil Ashish V	24
12	More Aaditya	22
13	Patil Pratiraj	25
14	Patil Anuksha	21
15	Powar Priyanka	25
16	Patil Poonam	23
17	Patil Asmita	21
18	Mane Sandhya	22
19	Farakate Aruna	23
20	Kiloskar Poonam	21



“Certificate Course of Yoga and Meditation”

Attendances

Sr.No.	Students Name	Sign
1	Patil Aniket Ananda	<u>Patil Aniket</u>
2	Vharkat Vishwajeet	<u>Vharkat Vishwajeet</u>
3	Chaougale Vishwajeet	<u>Chaougale Vishwajeet</u>
4	Aarekar Atharwa	<u>Aarekar Atharwa</u>
5	Patil Suraj	<u>Patil Suraj</u>
6	Bote Omkar	<u>Bote Omkar</u>
7	Waingade Saurabha	<u>Waingade Saurabha</u>
8	Pardole Gaurav	<u>Pardole Gaurav</u>
9	Budhale Pranav	<u>Budhale Pranav</u>
10	Patil Ashish	<u>Patil Ashish</u>
11	Patil Ashish V	<u>Patil Ashish V</u>
12	More Aaditya	<u>More Aaditya</u>
13	Patil Pratiraj	<u>Patil Pratiraj</u>
14	Patil Anuksha	<u>Patil Anuksha</u>
15	Powar Priyanka	<u>Powar Priyanka</u>
16	Patil Poonam	<u>Patil Poonam</u>
17	Patil Asmita	<u>Patil Asmita</u>
18	Mane Sandhya	<u>Mane Sandhya</u>
19	Farakate Aruna	<u>Farakate Aruna</u>
20	Kiloskar Poonam	<u>Kiloskar Poonam</u>





Gyan Seva Tyag

Shri Vyanknath Shikshan Prasara Mandal's

Shri Yashwantrao Patil Science College, Solankur

Taluka: Radhanagari District: Kolhapur 416212

Add on Certificate Courses During 2022-23

Name of Add on /Certificate programs offered	Department	Course Start Date	Course End Date	Duration of course (Hours)	Number of students enrolled in the year
Studies on Fertilizer	Chemistry	01/08/2022	15/04/2023	30	40
Apiculture	Zoology	11/02/2023	29/04/2023	40	40
Ethno-botany and Traditional Medicine	Botany	02/10/2022	22/01/2023	35	30
Telescope Making	Physics	10/09/2022	19/11/2022	32	35
Physical Health	Sports	26/08/2022	30/11/2022	40	20
Mathematics for Competitive Examination	Mathematics	06/02/2023	26/04/2023	35	51
Total:	06				216

CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari (M.S.)



PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



|| Dnyan - seva - tyag ||
Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE
SOLANKUR
TAL. RADHANAGARI, DIST. KOLHAPUR - 416212
PHONE - 02321 231561
Email: ypsmsolankur@gmail.com

Affiliated to Shivaji University, Kolhapur

Department of Chemistry

Add on Course: - Studies on Fertilizers

(Academic Year-2022-23)

Topics

6. Introduction of Fertilizers.
7. Literature survey of Fertilizers.
8. Collection and analysis of soil.
9. Experimentally analysis of fertilizers.
10. Result analysis

Duration

Duration is of 30 lectures in whole academic year.

Guest Faculty and Faculty In-charge

Year	Admitted Students	Guest Lecturers Invited	Faculty Incharge
2022-23	40	Dr. S. V. Madhale, YPSC	Dr. A. D. Kamble

Course start date and end date

Year	No. of Students enrolled	Start date	End date	Hours engaged
2022-23	40	01/08/2022	15/04/2023	30

Inauguration: - In-Charge Principal Dr. G. G. Chougale

Certificate were distributed at the end of the course.

(Signature)

Head

Department of Chemistry
 Shri. Yashwantrao Patil Science
 College, Solankur.



(Signature)
PRINCIPAL

Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari, Dist. Kolhapur.

Syllabus

Topics

1. Introduction of soap and detergents
2. Literature survey of preparation of Soap and detergents.
3. Experimental works to prepare soap.
4. Experimental works to prepare detergents.
5. Result analysis

Time: - Every Saturday 12.00p.m. onwards

Work distributions

Year 	2022-23
Faculty 	
Dr. G. G. Chougale	5- Lectures
Mr. J. K. Chavan	5- Lectures
Dr. A. D. Kamble	5- Practicals
Mr. S. D. Gorshetwar	5- Practicals
Mr. P. S. Pawar	5- Practicals
Dr. N. V. Junghare	5- Practicals
Dr. S. V. Madhale	2- lectures



Head

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.




PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Dist. Kolhapur.

Studies on Fertilizers

Introduction:

Fertilizers play a crucial role in modern agriculture by providing essential nutrients to crops, promoting plant growth, and increasing agricultural productivity. Numerous studies have been conducted to investigate various aspects of fertilizers, including their composition, application methods, environmental impact, and effects on crop yield. Here are some key areas of research on fertilizers

1. Nutrient Content and Composition:

- Studies focus on analysing the nutrient content of different types of fertilizers, such as nitrogen (N), phosphorus (P), and potassium (K), as well as secondary and micronutrients. Understanding the composition helps farmers make informed decisions about which fertilizers to use based on their crop and soil needs.

2. Application Methods:

- Research explores different application methods, including broadcasting, banding, and precision farming techniques. Optimizing the application method can enhance nutrient efficiency, reduce wastage, and minimize environmental impact.

3. Nutrient Management:

- Nutrient management studies investigate the optimal levels of fertilizers required for specific crops in different soil types. This includes the development of fertilizer recommendations and guidelines to help farmers achieve optimal yields while minimizing the risk of nutrient runoff.

4. Environmental Impact:

- Investigations into the environmental impact of fertilizers address concerns such as nutrient runoff into water bodies, which can lead to water pollution and eutrophication. Researchers explore ways to mitigate these environmental



effects, such as the development of slow-release fertilizers and precision agriculture techniques.

5. Fertilizer Efficiency and Crop Response:

- Studies assess the efficiency of different fertilizers in terms of nutrient uptake by plants and subsequent crop response. This research helps in developing fertilizers that maximize nutrient use efficiency and minimize losses.

6. Organic vs. Synthetic Fertilizers:

- Comparative studies examine the impact of organic and synthetic fertilizers on soil health, crop yield, and environmental sustainability. This research aids in understanding the advantages and disadvantages of each type of fertilizer.

7. Innovations in Fertilizer Technology:

- Ongoing research explores new technologies and innovations in the field of fertilizers, such as nanotechnology, controlled-release fertilizers, and smart fertilizers. These advancements aim to improve nutrient delivery, reduce environmental impact, and enhance overall efficiency.

8. Impact on Soil Microorganisms:

- Fertilizer applications can influence the microbial communities in the soil. Studies investigate how different fertilizers affect soil bacteria, fungi, and other microorganisms, as these play a crucial role in nutrient cycling and soil health.

9. Economic Analysis:

- Researchers analyze the economic aspects of fertilizer use, including cost-benefit analyses and studies on the long-term impact of fertilizer applications on agricultural productivity and profitability.

Overall, these studies contribute to the development of sustainable and efficient fertilizer management practices that balance the need for increased crop production with environmental conservation.


Head
Department of Chemistry




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

Add on Certificate Course on Studies on fertilizers

Academic Year 2022-23

Date: 16/08/2022

NOTICE

All the students of B. Sc. III Chemistry are hereby informed that Department of Chemistry has organized “**Add on course on Studies on Fertilizers**” from **Saturday, 20/08/2022**. Interested students are informed that they should remain present for course on time at Chemistry Department.


Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri Vyankanath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur**

Department of Chemistry

Add on Certificate Course on Studies on fertilizers

Academic Year 2022-23

Sr. No.	Name of Students	Class	Signature
1.	Rajigase Sushant S.	B.Sc.III	
2.	patil Vishwajit Tanaji	—	
3.	Raut Ankita S.	—	
4.	Tavade Vijay Vishnu.	—	
5.	patil Ashish B.	—	
6.	Chougale Vishwajit P.	—	
7.	patil Ketan Suresh.	—	
8.	Wagare Mayur M.	—	
9.	patil Harishchandra T.	—	
10.	Hilam Pooja T.	—	
11.	Dhanawade Ashish K.	—	
12.	Jadhav Suresh D.	—	
13.	Chougale Saaket S.	—	
14.	Gurav Tejas manoj.	—	
15.	Kamble Aricaj B.	—	
16.	patil Rajiv C.	—	
17.	Kamble Vaibhav M.	—	
18.	Kamble Amit S.	—	



19	Kamble sanket D.	B.Sc III	Kamble
20	Kamble Vaibhaw B.	—	Vaibhaw
21	Patil priyanka M.	—	Patil
22	Adnapure Adinath A.	—	Adn.
23	Patil poonam D.	—	patil
24	Kalebese prasad M.	—	K.P.
25	Patade Tejas D.	—	Tejas
26	Balege Sohann D.	—	Shane
27	Parit Rohit B.	—	Rohit
28	Powar prasad B.	—	Powar
29	Farakali Sudhir R.	—	Sudhir
30	Jadhav Akshita K.	—	Ash
31	Patil pooshpa V.	—	Poo
32	Patil Digvijay D.	—	P.D.
33	Patil Aniket A.	—	Aniket
34	Patade komal S.	—	Komal
35	Powar sakshi D.	—	Sakshi
36	Kamble Nandini S.	—	Nandini
37	Vharakat vishwajeet V.	—	Vharakat
38	Vharakat vishwajeet V.	—	Vharakat
39	Patil Ruturaj M.	—	Patil
40	Powar Priyanka V.	—	Powar

(Signature)

Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



(Signature)
PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Rodhanagari, Dist. Kolhapur.

Shri Yashwantrao Patil Science College, Solankur

Department of Chemistry

Add on Course: - Studies on Fertilizers

Add on course attendance
, Year 2022-23

[illegible]

15	Kamble Aniket B.	Ab	Kand	Kand	Kand	Kand	Kand	Kand	Ab	Kand	Kand	Kand	Kand	Kand	Kand	Ab
16	Patil Raju C.	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
17	Kamble Vaibhav N	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab
18	Kamble Amit S	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab
19	Kamble Santosh D	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab
20	Kamble Vaibhav B	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab
21	Patil Priyanka M	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
22	Adnarpure Adinath A	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Ab	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Adnarpure	Ab
23	Patil Poornima D	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
24	Kaleble Prasad M	Kaleble	Kaleble	Kaleble	Kaleble	Kaleble	Kaleble	Kaleble	Ab	Kaleble	Kaleble	Kaleble	Kaleble	Kaleble	Kaleble	Ab
25	Patade Tejas D	Patade	Patade	Patade	Patade	Patade	Patade	Patade	Ab	Patade	Patade	Patade	Patade	Patade	Patade	Ab
26	Rasane Soham D	Rasane	Rasane	Rasane	Rasane	Rasane	Rasane	Rasane	Ab	Rasane	Rasane	Rasane	Rasane	Rasane	Rasane	Ab
27	Parit Rohit B	Parit	Parit	Parit	Parit	Parit	Parit	Parit	Ab	Parit	Parit	Parit	Parit	Parit	Parit	Ab
28	Patel Prasad B	Patel	Patel	Patel	Patel	Patel	Patel	Patel	Ab	Patel	Patel	Patel	Patel	Patel	Patel	Ab
29	Patade Sushil R	Patade	Patade	Patade	Patade	Patade	Patade	Patade	Ab	Patade	Patade	Patade	Patade	Patade	Patade	Ab
30	Jadhav Akshata K	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Ab	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Ab
31	Jadhav Samiksha K	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Ab	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Ab
32	Patil Pushpa V	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
33	Patil Digvijay D	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
34	Patil Aniket A	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Ab	Patil	Patil	Patil	Patil	Patil	Patil	Ab
35	Patade Komal S	Patade	Patade	Patade	Patade	Patade	Patade	Patade	Ab	Patade	Patade	Patade	Patade	Patade	Patade	Ab
36	Patel Sakshi D	Patel	Patel	Patel	Patel	Patel	Patel	Patel	Ab	Patel	Patel	Patel	Patel	Patel	Patel	Ab
37	Kamble Nandini S	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Ab
38	Wastat Vishwajeet V	Wastat	Wastat	Wastat	Wastat	Wastat	Wastat	Wastat	Ab	Wastat	Wastat	Wastat	Wastat	Wastat	Wastat	Ab



"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE
ON

Studies on Fertilizers

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS. Raut, Ankita S. HAS PARTICIPATED IN

ADD ON COURSE ON "STUDIES ON FERTILIZERS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 2022- 2023

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur.



Coordinator

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

"DNYAN SEVA TYAG"

SHRI VYANKANAT SHIKSHAN PRASARAK MANDAL'S SOLANKUR

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR

ADD-ON COURSE
ON

Studies on Fertilizers

DEPARTMENT OF CHEMISTRY



CERTIFICATE

THIS IS TO CERTIFY THAT MR./MISS. Patil Ketan Suresh HAS PARTICIPATED IN

ADD ON COURSE ON "STUDIES ON FERTILIZERS" ORGANIZED BY DEPARTMENT OF CHEMISTRY OF

SHRI YASHWANTARO PATIL SCIENCE COLLEGE, SOLANKUR IN THE ACADEMIC YEAR 2022- 2023

Head
Department of Chemistry
Shri Yashwantrao Patil Science
College, Solankur.



Coordinator

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Soil collection for Fertilizer analysis



Dave
Head
Department of Chemistry



Principals
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Add on Certificate Course

On

Apiculture



Pollen foraging



Bee Keeping



Honey Harvesting



Honey Glass Bottles



Add on Certificate Course On

Apiculture

Organized by

Department of Zoology

Course Incharge

Dr. S.V.Bhosale

Course Duration: 11 Feb 2023 - 30 April 2023



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Syllabus
Add on Certificate Course on Apiculture
Academic Year 2022-23

Total Hrs- 40

Theory:

1. Introduction to Apiculture
2. Types and castes of honey bees.
3. Honey comb.
4. Bee keeping.
5. Characteristics & composition of bee venom
6. Production of honey
7. Types of Honey
8. Economic importance.

Practical:

1. Types and castes of honey bees
2. Newton and Langstroth model
3. Bee keeping equipment's
4. Methods of bee keeping
5. Extraction of honey




Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Apiculture
Academic Year 2022-23

Objectives:

- 1.To increase production of honey
- 2.Develop bee products by beekeeping
- 3.Develop environment through plantation for beekeeping
- 4.Awareness regarding nutritional value of honey



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

INDEX

Add on Certificate Course on Apiculture
Academic Year 2022-23

Sr.No	CONTENT
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2.	Syllabus
3.	Objectives
4.	Time Table
5.	List of Participants
6.	Attendance
7.	Question Paper
8.	Result
9.	Report
10.	Certificate

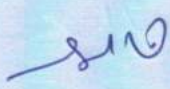
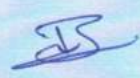
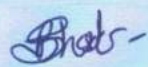


Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Apiculture

2022-23

Board of Studies

Sr.No.	Name	Designation	Current status	Sign
1.	Dr. G.G. Chougale	I/C Principal	Chairperson	
2.	Dr. S.V. Madhale	IQAC Coordinator	Member	
3.	Dr. B.S. Wali	Head, Dept. of Zoology	Member	
4.	Dr.V.M.Lagade	Asst. Professor, Dept. of Zoology	Member	
5.	Dr.S.V. Bhosale	Asst. Professor, Dept. of Zoology	Member	
6.	Dr.V.A. Jagatap	Asst. Professor, Dept. of Zoology, K.H.College,Gargoti	Expert	



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Apiculture
Academic Year 2022-23

Date:09/02/2023

NOTICE

All the students of B. Sc. III and II are here by informed that Department of Zoology has organized "Add on Certificate Course on Apiculture " from Saturday 11 February 2023. Interested students are informed that they should remain present for course on time.



Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Apiculture

Theory and Practical

Time Table: 2022-23

Date	Time	Theory/Practical	Name of Faculty
11/02/2023	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
11/02/2023	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
25/02/2023	01:00 to 3:00 pm	Theory	Dr. V.A. Jagtap
25/02/2023	03:00 to 5:00 pm	Practical	Dr. V. A. Jagtap
04/03/2023	01:00 to 3:00 pm	Theory	Dr.B.S. Wali
04/03/2023	03:00 to 5:00 pm	Practical	Dr.S.V. Bhosale
11/03/2023	01:00 to 3:00 pm	Theory	Dr.V.M.Lagade
11/03/2023	03:00 to 5:00 pm	Practical	Dr. B. S. Wali
18/03/2023	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
18/03/2023	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
25/03/2023	01:00 to 3:00 pm	Theory	Dr.B.S.Wali
25/03/2023	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
01/04/2023	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
01/04/2023	03:00 to 5:00 pm	Practical	Dr.B.S.Wali
08/04/2023	01:00 to 3:00 pm	Theory	Dr. V.M.Lagade
08/04/2023	03:00 to 5:00 pm	Practical	Dr.S.V.Bhosale



15/04/2023	01:00 to 3:00 pm	Theory	Dr.S.V.Bhosale
15/04/2023	03:00 to 5:00 pm	Practical	Dr.V.M.Lagade
29/04/2023	01:00 to 3:00 pm	Theory	Dr. V. M. Lagade
29/04/2023	03:00 to 5:00 pm	Practical	Dr. S.V. Bhosale



JS

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanth Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Add on Certificate Course on Apiculture
Time Table-2022-23

Theory & practical
February, March and April

Time Table	2 nd Saturday 11/02/2023	4 th Saturday 25/02/2023	1 st Saturday 04/03/2023	2 nd Saturday 11/03/2023	3 rd Saturday 18/03/2023	4 th Saturday 25/03/2023	1 st Saturday 01/04/2023	2 nd Saturday 08/04/2023	3 rd Saturday 15/04/2023	5 th Saturday 29/04/2023
Theory 1:00 to 03:00	Dr.B.S. Wali	Dr. V.A. Jagtap	Dr.B.S. Wali	Dr. V.M. Lagade	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr. V.M. Lagade	Dr.S.V. Bhosale	Dr. V.M. Lagade
Practical 3:00 to 05:00	Dr.V.M. Lagade	Dr. V.A. Jagtap	Dr.S.V. Bhosale	Dr.B.S. Wali	Dr. V.M. Lagade	Dr.B.S. Wali	Dr.B.S. Wali	Dr.S.V. Bhosale	Dr. V.M. Lagade	Dr.B.S. Wali

Dr. B.S. Wali
Dr. V.M. Lagade
Dr. S.V. Bhosale

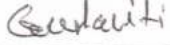
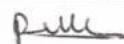
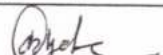
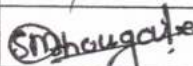
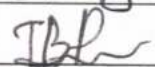
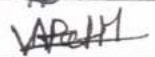
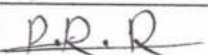
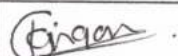
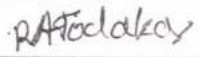
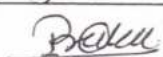
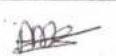
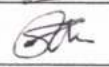
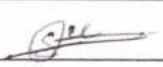
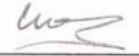


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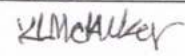
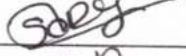
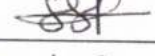
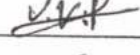
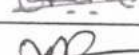
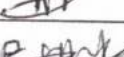
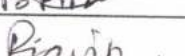
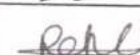
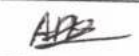
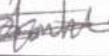
Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology
Add on Certificate Course on Apiculture
2022-23

ADMISSIONS FOR APICULTURE

Sr. No.	Name of Student	Class	Signature
1.	Chougale Tanuja Dattatray	B.Sc.III	
2.	Gulavani Jyoti Gajanan	B.Sc.III	
3.	Mahat Ruksana Adam	B.Sc.III	
4.	Panari Sneha Sunil	B.Sc.III	
5.	Patil Akshay Vilas	B.Sc.III	
6.	Patil Digvijay Dilip	B.Sc.III	
7.	Patil Neeta Shivaji	B.Sc.III	
8.	Patil Sunil Sanjay	B.Sc.III	
9.	Patil Tushar Bandopant	B.Sc.III	
10.	Patil Vaishnavi Ashok	B.Sc.III	
11.	Ranmale Prajyot Rajendra	B.Sc.III	
12.	Repe Omkar Tanaji	B.Sc.III	
13.	Todakar Rushikesh Aanda	B.Sc.III	
14.	Todakar Sumit Suresh	B.Sc.III	
15.	Abdar Prathmesh Yuvraj	B.Sc.II	
16.	Balugade Adinath Anil	B.Sc.II	
17.	Bhalekar Mangesh Balaso	B.Sc.II	
18.	Chavan Omkar Aravind	B.Sc.II	
19.	Choche Adarsh Amol	B.Sc.II	
20.	Chougale Shantaram Nana	B.Sc.II	
21.	Davar Pallavi Jagannath	B.Sc.II	



22.	Jamadar Sahil Sikandar	B.Sc.II	
23..	Kamble Shailesh Ramesh	B.Sc.II	
24.	Khot Shreyash Suresh	B.Sc.II	
25.	Koli Saurabh Vilas	B.Sc.II	
26.	Kumbhar Shridhar Bhimrao	B.Sc.II	
27.	Kumbhar Swapnil Sunil	B.Sc.II	
28.	Mahadik Prasad Dattatray	B.Sc.II	
29.	Nevage Girish Gurunath	B.Sc.II	
30.	Sutar Sachin Keshav	B.Sc.II	
31.	Sutar Aniket Dattatray	B.Sc.II	
32.	Patil Sanket Jaywant	B.Sc.II	
33.	Patil Satyajit Satappa	B.Sc.II	
34.	Patil Saurabh Yashvant	B.Sc.II	
35.	Thorat Pravin Prakash	B.Sc.II	
36.	Tipugade Prakash Shirpati	B.Sc.II	
37.	Rhataval Kunal Keraba	B.Sc.II	
38.	Ranadive Rushikesh Balavant	B.Sc.II	
39.	Suryavanshi Atul Anil	B.Sc.II	
40.	Wagare Sonal Subhash	B.Sc.II	




Head
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 Shri. Yashwantrao Patil Science
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Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Apiculture

2022-23

Attendance Report

February, March and April

Sr. No.	Name of the Student	2nd Saturday 11/02/2023	4th Saturday 25/02/2023	1st Saturday 04/03/2023	2nd Saturday 11/03/2023	3rd Saturday 18/03/2023	4th Saturday 25/03/2023	1st Saturday 01/04/2023	2nd Saturday 08/04/2023	3rd Saturday 15/04/2023	5th Saturday 29/04/2023
1.	Chougale Tanuja Dattatray	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
2.	Gulavani Jyoti Gajanan	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani	Gulavani
3.	Mahat Ruksana Adam	muh	muh	muh	muh	muh	muh	muh	muh	muh	muh
4.	Panari Sneha Sunil	SPS	SPS	SPS	SPS	SPS	SPS	SPS	SPS	SPS	SPS
5.	Patil Akshay Vilas	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
6.	Patil Digvijay Dilip	Digvi	Digvi	Digvi	Digvi	Digvi	Digvi	Digvi	Digvi	Digvi	Digvi
7.	Patil Neeta Shivaji	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry
8.	Patil Sunil Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
9.	Patil Tushar Bandopant	TBR	TBP	TBP	TBP	TBP	TBP	TBP	TBP	TBP	TBP
10.	Patil Vaishnavi Ashok	VAPantM	VAPantH	VAPantL	VAPantH	VAPantD	VAPantH	VAPantD	VAPantK	VAPantD	VAPantH

11.	Ranmale Prajyot Rajendra	P.R.R	AB	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R
12.	Repe Omkar Tanaji	Finar	AB	Finar	Finar	Finar	Finar	Finar	Finar	Finar	Finar	Finar
13.	Todakar Rushikesh Aanda	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar	RAHoddekar
14.	Todakar Sumit Suresh	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
15.	Abdar Prathmesh Yuvraj	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
16.	Balugade Adinath Anil	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
17.	Bhalekar Mangesh Balaso	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
18.	Chavan Omkar Aravind	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
19.	Choche Adarsh Amol	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole	Basole
20.	Chougale Shantaram Nana	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
21.	Davar Pallavi Jagannath	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
22.	Jamadar Sahil Sikandar	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
23.	Kamble Shailesh Ramesh	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
24.	Khot Shreyash Suresh	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
25.	Koli Saurabh Vilas	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
26.	Kumbhar Shridhar Bhimrao	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
27.	Kumbhar Swapnil Sunil	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
28.	Mahadik Prasad Dattatray	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika	Sanika
29.	Nevege Girish Gurunath	KVP	KVP	KVP	KVP	KVP	KVP	KVP	KVP	KVP	KVP	KVP



30.	Sutar Sachin Keshav	SP	AB	SP	AB	SP	AB	SP	AB	SP	AB	SP	AB	SP	AB	SP	AB
31.	Sutar Aniket Dattatray	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
32.	Patil Sanket Jaywant	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
33.	Patil Satyajit Satappa	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
34.	Patil Saurabh Yashwant	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
35.	Thorat Pravin Prakash	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
36.	Tipugade Prakash Shirpati	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
37.	Rhataval Kunal Keraba	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
38.	Ranadive Rushikesh Balavant	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
39.	Suryavanshi Atul Anil	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
40.	Wagare Sonal Subhash	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP



TS

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur

Department of Zoology

Add on Certificate Course on Apiculture
Academic Year 2022-23

Question Paper

Time: 12:00 pm to 2:00pm

Max marks: 50

Sunday

Q. No 1: Write any three (long questions) (30)

- Describe the bee keeping equipments
- Describe the methods of bee keeping
- Define apiculture. Give an account of the different casts of honey bees.
- Describe in detail Newton and Langstroth model used in Apiculture

Q. No 2: Write any four (short questions) (20)

- Species of honey bees
- Casts of honey bees
- Bee keeping instruments
- Extraction of honey
- Movable bee hive
- Medicinal value of honey



Shri Vyankanath Shikshan Prasarak Mandal's
Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

Marklist

Add on Certificate Course on Apiculture
Academic Year 2022-23

Sr. No	Name of the Student	Q. No 1 30	Q. No 2 20	Total 50
1.	Chougale Tanuja Dattatray	20	15	35
2.	Gulavani Jyoti Gajanan	25	15	40
3.	Mahat Ruksana Adam	20	18	38
4.	Panari Sneha Sunil	20	18	38
5.	Patil Akshay Vilas	25	15	40
6.	Patil Digvijay Dilip	25	15	40
7.	Patil Neeta Shivaji	25	15	40
8.	Patil Sunil Sanjay	20	18	38
9.	Patil Tushar Bandopant	23	15	38
10.	Patil Vaishnavi Ashok	28	14	40
11.	Ranmale Prajyot Rajendra	24	18	42
12.	Repe Omkar Tanaji	25	17	42
13.	Todakar Rushikesh Aanda	23	18	39
14.	Todakar Sumit Suresh	24	17	41
15.	Abdar Prathmesh Yuvraj	25	16	41
16.	Balugade Adinath Anil	26	18	44
17.	Bhalekar Mangesh Balaso	23	17	40
18.	Chavan Omkar Aravind	25	16	41
19.	Choche Adarsh Amol	24	18	42



20.	Chougale Shantaram Nana	25	17	42
21.	Davar Pallavi Jagannath	21	18	39
22.	Jamadar Sahil Sikandar	23	16	39
23..	Kamble Shailesh Ramesh	20	18	38
24.	Khot Shreyash Suresh	22	19	41
25.	Koli Saurabh Vilas	24	17	41
26.	Kumbhar Shridhar Bhimrao	25	16	41
27.	Kumbhar Swapnil Sunil	24	18	42
28.	Mahadik Prasad Dattatray	22	17	39
29.	Nevage Girish Gurunath	20	18	38
30.	Sutar Sachin Keshav	24	17	41
31.	Sutar Aniket Dattatray	22	16	38
32.	Patil Sanket Jaywant	25	17	42
33.	Patil Satyajit Satappa	21	18	39
34.	Patil Saurabh Yashvant	24	17	41
35.	Thorat Pravin Prakash	23	16	39
36.	Tipugade Prakash Shirpati	25	16	41
37.	Rhataval Kunal Keraba	20	18	38
38.	Ranadive Rushikesh Balavant	23	17	40
39.	Suryavanshi Atul Anil	25	16	41
40.	Wagare Sonal Subhash	24	16	40



JS

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

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Shri. Yashwantrao Patil Science College, Solankur
Department of Zoology

REPORT
Add on Certificate Course on Apiculture
Academic Year 2022-23



Visit to Apiculture by Students

Apiculture is the practice of rearing of honeybees. "Culture means cultivation through education" It is a highly profitable enterprise. It can be run as subsidiary business or as a whole-time business. It very beneficial to farmers as agro-based subsidiary because it needs very low initial investment and does not require much more labour. It will be also helpful for pollination of crops which automatically leads to increase in crop products. One can manage it in backyard also for some amount of livelihood.



After completing the course students got the knowledge about economic and medicinal importance of beekeeping. How bees protect the nature by pollination. Student got the knowledge of beekeeping and scope of apiculture in future.





[Signature]

Head
Department of Zoology
Shri. Yashwantrao Patil Science
College, Solankur.

II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt Repe Omkar Tanaji has
successfully completed the Add on Course on Apiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2022-23.


Dr. S. V. Bhosale
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY


Dr. B. S. Wali
HEAD,
DEPARTMENT OF ZOOLOGY


Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR





II GYAN SEVA TYAG II
SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that Mr/Smt Gulavani Jyoti Gajanan has
successfully completed the Add on Course on Apiculture organized by Department of Zoology, Shri Yashwantrao Patil Science
College, Solankur for the academic year of 2022-23.


Dr. S. V. Bhosale
COURSE INCHARGE,
DEPARTMENT OF ZOOLOGY


Dr. B. S. Wali
HEAD,
DEPARTMENT OF ZOOLOGY


Dr. Gurunath G. Chougale
I/C PRINCIPAL
SHRI YASHWANTRAO PATIL
SCIENCE COLLEGE, SOLANKUR





SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic year-2022-23



ETHNOBOTANY AND TRADITIONAL MEDICINE

Course Coordinator

Dr. S. V. Madhale

Course Started on: 02/10/2022

Course Ended on: 30/01/2023



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

"Ethnobotany and Traditional Medicine"

For B.Sc. students residing in the Western Ghats, the Ethnobotany and Traditional Medicine add-on course offers an interesting opportunity to study about the rich and varied relationship between people and plants in the region. The knowledge and abilities gained from this course will enable students to investigate and record traditional uses of plants, recognize and categorize plants, and comprehend the cultural and economic importance of plants.

With a vast array of plant and animal life, the Western Ghats are among the world's most biodiverse places. Numerous indigenous cultures, each with its own distinct knowledge and comprehension of the regional flora, are also found in the area. Students will get the chance to study from in the Ethnobotany and Traditional Medicine add-on course.

There are several reasons why B.Sc. students residing in the Western Ghats should take this course. Initially, it will equip them with the information and abilities required to carry out ethnobotanical research. For students who want to work in environmental science, conservation, or natural resource management, this is a crucial skill. Second, the course will assist students in comprehending and appreciating the Western Ghats' plants' cultural and economic value. Students who wish to support sustainable development in the area or who are interested in engaging with indigenous populations should pay attention to this.

Additionally, there will be a practical component to the course where students will learn how to recognize, gather, and prepare medicinal plants.

DURATION

Seven Sundays during each year (7days)

FACULTY

Sr. No.	Faculty
1	Dr. S. V. Madhale
2	Dr. M. S. Sutare
3	Dr. S. P. Dorugade




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

VISITING FACULTY:

Sr. No.	Name	College
1	Dr. P. D. Shiragave	Devchand college, Arjunnagar
2	Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
3	Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara.

COURSE WORK LOAD

Total hours of teaching: 25 (including field visit and test)

Teacher name	Lecture	Practical	Total hours
Dr. S. V. Madhale	2 hrs.	12 hrs	14 hrs.
Dr. M. S. Sutare	2 hrs.	12 hrs	14 hrs.
Dr. S. P. Dorugade	4 hrs.	08 hrs	12 hrs
		Total	40 hrs.

Course Started on: 02/10/2022

Course Ended on: 30/01/2023

Certificates were distributed at the end of the course.




Head,
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Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
 Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com
 Website: www.ypsc.ac.in
 Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)




Shri. A. Y. Patil
 Secretary

Shri. R. Y. Patil
 President

Date: 10/09/2022

DEPARTMENT OF BOTANY

Academic Year: 2022-23

NOTICE

This is to inform all the B. Sc. students that the admission process for the Add on course "Ethnobotany and Traditional Medicine" has started. The course will start on 06/10/2022 and the last date of admission is 01/10/2022.

Interested students should enrol to the Department of Botany by the last date of admission.

For more information, please contact Dr. S V. Madhale, Head, Department of Botany.




Head,
 Department of Botany,
 Shri Yashwantrao Patil Science College,
 Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2022-23

Add on Course

“Ethnobotany and Traditional Medicine”

SYLLABUS

1. Introduction to Ethnobotany.
2. Traditional Medicinal Practices.
3. Major medicinal plants.

PRACTICAL

1. Traditional Medicinal Practices
2. Identification of Medicinal Plants
3. Ethnobotanical Uses of Plants




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Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2022-23

Add on Course

“Ethnobotany and Traditional Medicine”

BOARD OF STUDIES

Dr. U. H. Patil	Bhogawati Mahavidyalaya, Kurukali
Dr. P. D. Shirgave	Devachand College, Arjunnagar
Dr. R. S. Karpe	Ajara Mahavidyalaya, Ajara
Dr. S. V. Madhale	Shri Yashwantrao Patil Science College, Solankur
Dr. M. S. Sutare	Shri Yashwantrao Patil Science College, Solankur
Dr. S. P. Dorugade	Shri Yashwantrao Patil Science College, Solankur



Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

Academic Year: 2022-23

Add on Course

“Ethnobotany and Traditional Medicine”

TIMETABLE

Time	Activity	02/10/2022	16/10/2022	06/11/2022	20/11/2022	04/12/2022	18/12/2022	08/01/2023	22/01/2023
11:00-11:50 am	Lecture	SVM	MSS	SPD	SVM	SPD	MSS	SPD	SPD
12:00-03:00 pm	Practical/Field work	SPD	SVM	MSS	MSS	SPD	SVM	SVM	MSS




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ATTENDANCE FOR LECTURE

Sr.no.	Name of Student	02/10/2022	16/10/2022	06/11/2022	20/11/2022	04/12/2022	18/12/2022	08/01/2023	22/01/2023
1.	DHOKARE ANAJLI HARI	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE
2.	KAMBALE RUTUJA SANTOSH	R.S.K.	R.S.K.	R.S.K.	R.S.K.	R.S.K.	R.S.K.	R.S.K.	R.S.K.
3.	CHOUGALE SAKSHI BALAVANT	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE
4.	BODAKE PRAJAKTA DIPAK	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE
5.	NATEKAR TEJASHRI KERABA	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR
6.	PATIL SWAPNALI SANJAY	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI
7.	SUTAR ARATI PANDURANG	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR
8.	GURAV DIKSHA DHANAJI	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.
9.	KILLEDAR SHRUSHTI KIRAN	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR
10.	DAKARE SAYALI DINKAR	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI
11.	CHOUGALE PRDNYA SHARAD	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE
12.	SUTAR TUSHAR MURALIDHAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR
13.	DHAVAN PRUTHIVIRAJ KISAN	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ
14.	MAGDUM ABHISHEK RANGRAO	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM
15.	DAVAR AKASH ASHOK	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR
16.	SUTAR SANIKA SANDIP	SANIKAL	SANIKAL	SANIKAL	SANIKAL	SANIKAL	SANIKAL	SANIKAL	SANIKAL
17.	MISAL SARVESH YASHWANT	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL
18.	KUDALE SUDESH DATTATRAY	SDK	SDK	SDK	SDK	SDK	SDK	SDK	SDK
19.	BODAKE PRAJAKTA DIPAK	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE
20.	BODAKE PRAJAKTA DIPAK	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE	BODAKE
21.	NATEKAR TEJASHRI KERABA	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR
22.	PATIL SWAPNALI SANJAY	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI
23.	SUTAR ARATI PANDURANG	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR
24.	GURAV DIKSHA DHANAJI	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.
25.	KILLEDAR SHRUSHTI KIRAN	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR	SKILLEDAR
26.	DAKARE SAYALI DINKAR	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI
27.	CHOUGALE PRDNYA SHARAD	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE	CHOUGALE
28.	SUTAR TUSHAR MURALIDHAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR	SUTAR
29.	DHAVAN PRUTHIVIRAJ KISAN	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ	PRUTHIVIRAJ
30.	MAGDUM ABHISHEK RANGRAO	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM	A.MAGDUM

Teacher in Charge

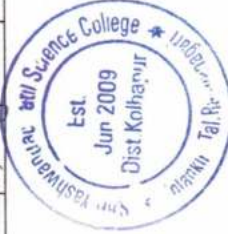


Head of the Department

Department of Botany,
Shree Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

ATTENDANCE FOR PRACTICAL/ FIELD WORK

Sr.no.	Name of Student	02/10/2022	16/10/2022	06/11/2022	20/11/2022	04/12/2022	18/12/2022	08/01/2023	22/01/2023
1.	DHOKARE ANAJLI HARI	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE	ADHOKARE
2.	KAMBALE RUTUJA SANTOSH	R.S.K	R.S.K	R.S.K	R.S.K	R.S.K	R.S.K	R.S.K	R.S.K
3.	CHOUGALE SAKSHI BALAVANT	SCHUGALE	SCHUGALE	SCHUGALE	SCHUGALE	SCHUGALE	SCHUGALE	SCHUGALE	SCHUGALE
4.	BODAKE PRAJAKTA DIPAK	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE
5.	NATEKAR TEJASHRI KERABA	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR
6.	PATIL SWAPNALI SANJAY	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI
7.	SUTAR ARATI PANDURANG	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR
8.	GURAV DIKSHA DHANAJI	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.
9.	KILLEDAR SHRUSHTI KIRAN	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR
10.	DAKARE SAYALI DINKAR	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI
11.	CHOUGALE PRDNYA SHARAD	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE
12.	SUTAR TUSHAR MURALIDHAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR
13.	DHAVAN PRUTHVIRAJ KISAN	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ
14.	MAGDUM ABHISHEK RANGRAO	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM
15.	DAVAR AKASH ASHOK	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR	ADAVAR
16.	SUTAR SANIKA SANDIP	SANIKAR	SANIKAR	SANIKAR	SANIKAR	SANIKAR	SANIKAR	SANIKAR	SANIKAR
17.	MISAL SARVESH YASHWANT	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL	S.MISAL
18.	KUDALE SUDESH DATTATRAY	SDK	SDK	SDK	SDK	SDK	SDK	SDK	SDK
19.	BODAKE PRAJAKTA DIPAK	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE
20.	BODAKE PRAJAKTA DIPAK	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE	P.BODAKE
21.	NATEKAR TEJASHRI KERABA	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR	NATEKAR
22.	PATIL SWAPNALI SANJAY	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI	SWAPNALI
23.	SUTAR ARATI PANDURANG	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR	ASUTAR
24.	GURAV DIKSHA DHANAJI	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.	D.D.G.
25.	KILLEDAR SHRUSHTI KIRAN	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR	S.KILLEDAR
26.	DAKARE SAYALI DINKAR	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI	SAYALI
27.	CHOUGALE PRDNYA SHARAD	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE	CHUGALE
28.	SUTAR TUSHAR MURALIDHAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR	TSUTAR
29.	DHAVAN PRUTHVIRAJ KISAN	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ	PRUTHVIRAJ
30.	MAGDUM ABHISHEK RANGRAO	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM	AMAGDUM



Teacher in Charge

Head of the Department
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal.Radhanagar

	॥ GYAN SEVA TYAG ॥ Shri Vyanknath Shikshan Prasarak Mandal's SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212 Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com Website: www.ypsc.ac.in Affiliated to Shivaji University Kolhapur, MS, India Accredited by NAAC with 'B' Grade (CGPA=2.14)	
Shri. A. Y. Patil Secretary	Shri. R. Y. Patil President	

Date: 15/01/2022

DEPARTMENT OF BOTANY

Academic Year: 2022-23

Add on Course

"Ethnobotany and Traditional Medicine"

NOTICE

This is to inform all the enrolled students of the Add on course "Ethnobotany and Traditional Medicine" that the final examination for the said course will be held on 30/01/2022 at 11:30 am.

All the enrolled students should be present at Department of Botany 30 minutes before given time.




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

DEPARTMENT OF BOTANY
ADD ON COURSE EXAMINATION- 2022-23
“Ethnobotany and Traditional Medicine”

Date: 30/01/2023

Time: - 11:30-12:30

Marks: 25

Q-1. Attempt any one of the following: [10]

- a) Write the botanical name, classification plant part used and medicinal uses of Turmeric plant.
- b) Write the botanical name, classification plant part used and medicinal uses of Ginger plant.

Q-2. Write short notes on any three of the following [15]

A- Clove

B-Medicinal plants of Western Ghats

C- Medicinal Uses of Ashwagandha plant

D-Human Diseases and Medicinal plants

E- Adulsa




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

DEPARTMENT OF BOTANY

“Ethnobotany and Traditional Medicine”

RESULT

Sr.no.	Name of Student	Marks
1.	DHOKARE ANAJLI HARI	22
2.	KAMBALE RUTUJA SANTOSH	23
3.	CHOUGALE SAKSHI BALAVANT	17
4.	BODAKE PRAJKTA DIPAK	19
5.	NATEKAR TEJASHRI KERABA	22
6.	PATIL SWAPNALI SANJAY	18
7.	SUTAR ARATI PANDURANG	17
8.	GURAV DIKSHA DHANAJI	21
9.	KILLEDAR SHRUSHTI KIRAN	20
10.	DAKARE SAYALI DINKAR	18
11.	CHOUGALE PRDNYA SHARAD	20
12.	SUTAR TUSHAR MURALIDHAR	23
13.	DHAVAN PRUTHVIRAJ KISAN	18
14.	MAGDUM ABHISHEK RANGRAO	20
15.	DAVAR AKASH ASHOK	22
16.	SUTAR SANIKA SANDIP	18
17.	MISAL SARVESH YASHWANT	21
18.	KUDALE SUDESH DATTATRAY	21
19.	BODAKE PRAJKTA DIPAK	18
20.	BODAKE PRAJKTA DIPAK	21
21.	NATEKAR TEJASHRI KERABA	23
22.	PATIL SWAPNALI SANJAY	18
23.	SUTAR ARATI PANDURANG	21
24.	GURAV DIKSHA DHANAJI	22
25.	KILLEDAR SHRUSHTI KIRAN	18
26.	DAKARE SAYALI DINKAR	19
27.	CHOUGALE PRDNYA SHARAD	23
28.	SUTAR TUSHAR MURALIDHAR	18
29.	DHAVAN PRUTHVIRAJ KISAN	19
30.	MAGDUM ABHISHEK RANGRAO	21




Head,
Department of Botany,
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari



Shri Vyanknath Shikshan Prasarak Mandal's

Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212

E-mail: principal@ypsc.ac.in / principal@ypsc.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with B grade (CGPA 2.74) | Affiliated to Shivaji University, Kolhapur

Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Department of Physics

Certificate Course of Telescope Making

This course is designed under add-on course implemented by Shivaji University, Kolhapur to allow students to go beyond their curriculum and facilitate them to extend their interest level in telescope making.

The course includes hands on training of telescope making and planned to execute step by step to understand it better. First unit of the course is dedicated to the theoretical background of telescopes and the concepts regarding the same. Second unit consists of the processes of actual telescope making, precautions to be taken and the impact of skill of telescope maker to make it faultless. Practicals are designed in such a way that, students will be able to understand each and every process in detail and should be motivated to design and construct their own ideas. Final part of the course is night sky observation where students will implement their knowledge and instrument for actual observation.

After completing this course 1) students will be able to understand fundamental concepts regarding telescope 2) students will come to know theoretical background of telescopes 3) students will be familiar of process involved in telescope making 4) students will be able to design and construct their telescope own 5) students will be able to understand different constellations and deep sky objects in the night sky.

It makes students capable to start telescope making professionally and make them financially independent which is the motto of add-on courses.





Email: ypvmsolankur@gmail.com / ypvms436.el@unishivaji.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.14) | Affiliated to Shivaji University, Kolhapur

Dr. G. G. Chougale
I/C PrincipalShri. A. Y. Patil
SecretaryShri. R. Y. Patil
President**Department of Physics****Certificate Course of Telescope Making**

(32 Hours)

Syllabus**Unit 1: Introduction to Telescopes**

4

Introduction, Types of telescopes – reflector, refractor, cassegrain, parameters of telescope– aperture, focal length, magnification, resolution, F-ratio, field of view, terrestrial telescopes, space telescopes, Hubble telescope and James Webb Space Telescope.

Unit 2: Construction of telescope

4

Grinding of Mirrors - Types of abrasives, Plane glass, process of mirror grinding

Polishing of Mirrors - Types of polishing rouge, pitch tool, process of mirror polishing

Coatings - Coating techniques, coating materials, process of coating a mirror

Telescope Mountings - Types of mountings of telescopes – equatorial mounting, Alt-azimuth mounting, dobsonian mounting.

Practical:

24

1. Grinding of telescope plane glass tool
2. Polishing of telescope plane glass tool
3. Coating of telescope plane glass tool
4. Mounting of telescope
5. Night Sky Observation

Course Outcome:

After completing this course,

- 1) students will be able to understand fundamental concepts regarding telescope.
- 2) Students will come to know theoretical background of telescopes.
- 3) Students will be familiar of process involved in telescope making.
- 4) Students will be able to design and construct their telescope own.
- 5) Students will be able to understand different constellations and deep sky objects in the night sky.



Shri Yashwantrao Patil Science College, Solankur

Department of Physics

Certificate Course of Telescope Making

Board of Studies (BOS) Committee

BOS Chairman : Dr. G. G. Chougale (Principal)

BOS Co-ordinators : Dr. A. A. Jatrakar

BOS Members : Dr. R. B. Patil

Dr. S. H. Tamboli

Dr. S. V. Madhale (IQAC Head)

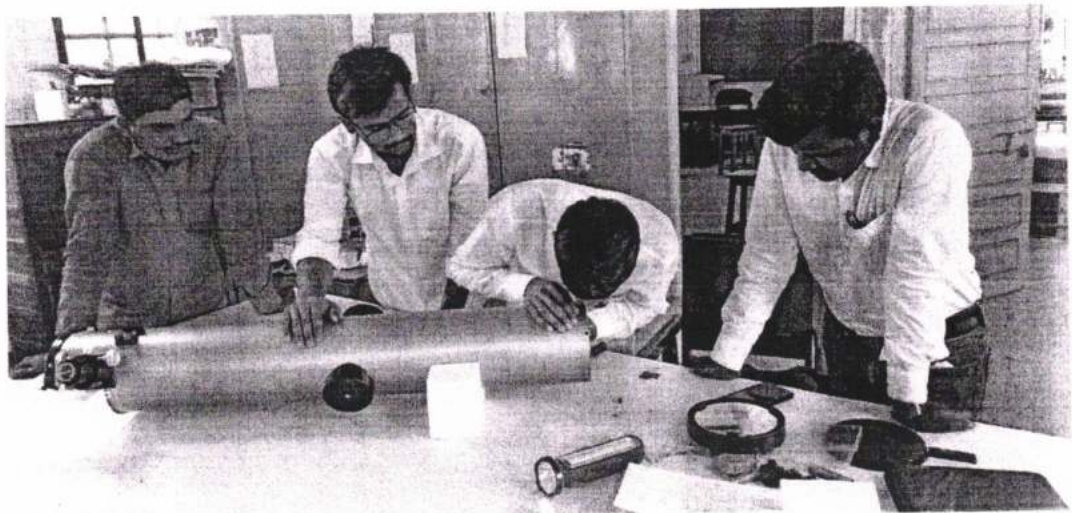
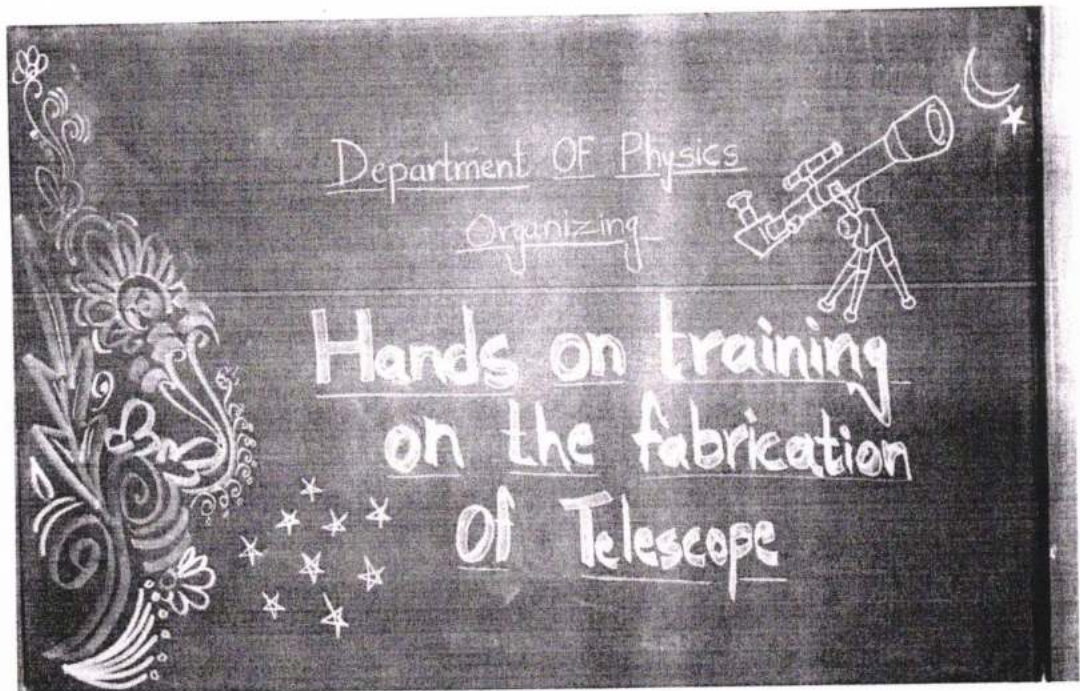



PRINCIPAL

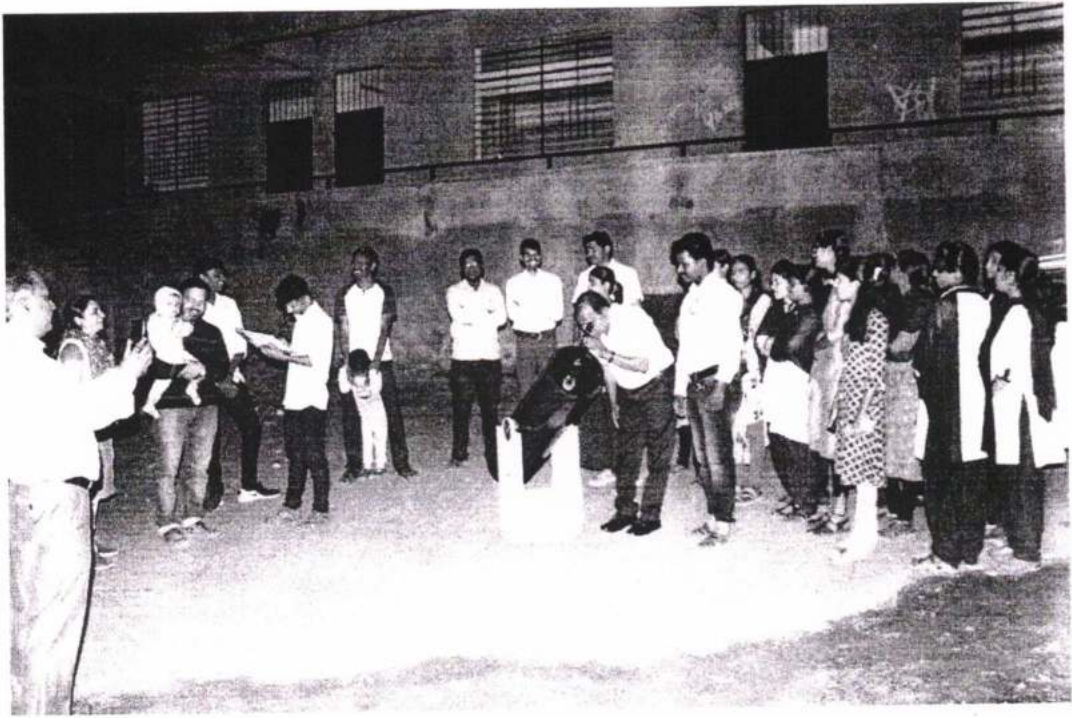
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur



Department of Physics
Certificate Course of Telescope Making









॥ Gyan - Seva - Tyag ॥
Shri Vyanknath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur
Tal. Radhanagari, Dist. Kolhapur - 416212



Email: ypvmsolankur@gmail.com / ypvms436.cl@unishivaji.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.14) | Affiliated to Shivaji University, Kolhapur

Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

29/08/2022

Notice

(Certificate Course of Telescope Making)

Dear students, we are excited to announce the commencement of our add-on course on **Certificate Course of Telescope Making**. Whether you're a stargazing enthusiast or simply curious about the cosmos, this hands-on experience will provide you with the skills and knowledge to create your own telescope. So, interested students from B Sc Part I, II and III are invited to register their names in **Department of Physics** for the course on or before 06/09/2022.

This course promises to be an illuminating adventure, so don't miss out this unique opportunity to explore the wonders of the universe from the comfort of your own creation. Get ready to reach for the stars!




Department of
Physics



Shri Vyanknath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212



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Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

List of Enrolled Students (2022-23)

Sr. No.	Name of Student
1	Patil Anuja Bander Rao
2	Adsul Ritesh Sanjay
3	Attar Jamir Rajendra
4	Bait Saurabh Sanjay
5	Bhopale Suraj Satappa
6	Chavan Pratik Ravindra
7	Choche Arbaj Yasin
8	Chougale Pranav Madan
9	Chougale Ketan Krishnat
10	Davar Sakshi Subhash
11	Davar Shital Ramesh
12	Dawar Ajinkya Ankush
13	Delekar Pranjal Prakash
14	Devardekar Pratik Suresh
15	Gurav Aditya Sukumar
16	Kalebere Prasad Milind
17	Kamble Nilesh Gautam

18	Kamble Prathamesh Sunil
19	Karivadekar Sanika Dattatray
20	Khamkar Sanket Sarjerao
21	Kumbhar Omkar Sanjay
22	Kusale Omkar Shankar
23	Misal Vidya Yashwant
24	More Suraj Satappa
25	Narke Aviraj Sanjay
26	Parit Prasad Shital
27	Patil Aniket Tanaji
28	Patil Dipali Dashrath
29	Patil Karuna Rangrao
30	Patil Ketan Suresh
31	Patil Rajiv Chandrashekhar
32	Patil Ruturaj Madhukar
33	Patil Ruturaj Madhukar
34	Patil Sanket Rajendra
35	Potdar Aaksh Shrikant



Department of
Physics



॥ Gyan - Seva - Tyag ॥
Shri Vyanknath Shikshan Prasarak Mandal's
Shri Yashwantrao Patil Science College, Solankur

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Dr. G. G. Chougale
I/C Principal

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

Time Table (2022-23)

Session	Day	Time
Theory	Saturday	01.00 pm to 01.50 pm
Hands on Training	Saturday	01.00 pm to 04.20 pm




Department of
Physics



II GYAN SEVATYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.el@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)



Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Department of Physics

Certificate Course of Telescope Making

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After completing this course 1) students will be able to understand fundamental concepts regarding telescope 2) students will come to know theoretical background of telescopes 3) students will be familiar of process involved in telescope making 4) students will be able to design and construct their telescope own 5) students will be able to understand different constellations and deep sky objects in the night sky.

It makes students capable to start telescope making professionally and make them financially independent which is the motto of add-on courses.




PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

**Shri. A. Y. Patil**

Secretary

Shri. R. Y. Patil

Chairman

Department of Physics**Certificate Course of Telescope Making**

(32 Hours)

Syllabus**Unit 1: Introduction to Telescopes**

4

Introduction, Types of telescopes – reflector, refractor, cassegrain, parameters of telescope– aperture, focal length, magnification, resolution, F-ratio, field of view, terrestrial telescopes, space telescopes, Hubble telescope and James Webb Space Telescope.

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4

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Coatings - Coating techniques, coating materials, process of coating a mirror
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Practical:

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5. Night Sky Observation

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- 5) Students will be able to understand different constellations and deep sky objects in the night sky.



Attendance - 2022-23

[illegible]

30	Patil Ketan Suresh	SK	SK	SK	SK	SK	SK	SK	SK	SK
31	Patil Rajiv Chandrashekhar	Patil R	Patil R	Patil R	Patil R	Patil R	Patil R	Patil R	Patil R	Patil R
32	Patil Ruturaj Madhukar	NR	NR	NR	NR	NR	NR	NR	NR	NR
33	Patil Ruturaj Madhukar	PRM	PRM	PRM	PRM	PRM	PRM	PRM	PRM	PRM
34	Patil Sanket Rajendra	SKH	SKH	SKH	SKH	SKH	SKH	SKH	SKH	SKH
35	Potdar Aaksh Shrikant	APotdar	APotdar	APotdar	APotdar	APotdar	APotdar	APotdar	APotdar	APotdar



Shri. Yashwantrao Patil Science College, Solankur

Department of Physics

Add-on Course : Certificate Course of Telescope Making

Attendance - 2022-23

[illegible]

30	Patil Ketan Suresh	P	12/12	12/1/01	11/2	18/02	25/02	103	28/03				
31	Patil Rajiv Chandrashekhar	Patil R	12/12	12/1/01	11/2	18/02	25/02	103	28/03				
32	Patil Ruturaj Madhukar	(MR)	Patil R	(MR)	Patil R	Patil R	Patil R	Patil R	Patil R				
33	Patil Ruturaj Madhukar	PRM	PRM	PRM	PRM	PRM	PRM	PRM	PRM				
34	Patil Sanket Rajendra	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket				
35	Potdar Aaksh Shrikant	Potdar	Potdar	Potdar	Potdar	Potdar	Potdar	Potdar	Potdar				





" DYAN SEVA TYAG "

Shri Vyanknath Shikshan Prasarak Mandal's

Shri. Yashwantrao Patil Science Mahavidyalaya, Solankur

Department of Physics

Addon Course on

Telescope Making

Certificate

This is to certify that,
Mr./Miss /Ms. Patil Anuja Banderao
student of B. Sc. Part I / II / III has successfully completed add-on course on Telescope making conducted
by Department of Physics during academic year **2022-23**
His/Her performance in the course is highly appreciated.


Co-ordinator


Head
Department of
Physics




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.
Principal

॥ GYAN SEVA TYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212



Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

DEPARTMENT OF SPORTS AND PHYSICAL EDUCATION

YPSC, SOLANKUR

“Certificate Course of Physical Health”

YEAR 2022-23

TOPICS

1. Define the term Physical Health
2. Discuss the function of the cardiovascular system during exercise
3. Discuss how running, swimming and strength training can be used as effective tools to develop and maintain strength and fitness
4. Describe the benefits that flexibility can have on overall health and fitness
5. Describe the benefits of calisthenic and plyometric exercise on muscular strength, endurance and power
6. Describe the effects that training in extreme environments can have on the body



PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur Tal, Radhanagari, Dist. Kolhapur.

PROGRAMME DURATION: Minimum duration to complete this program is 03 months.

REGISTRATION: The registration date for this programme is start by the first week of first semester of the college

OBJECTIVES:

- To enable the student to have good health
- To practice mental hygiene
- To possess emotional stability
- To integrate moral values.
- To attain higher level of consciousness

EXAMINATION & CERTIFICATION: After completion of 03 months training program exam will be conduct and get certificate to passed students.

OUTCOMES OF THE PROGRAMMES – Improved health and mental hygiene, increased emotional stability and attain higher level of consciousness, integrate moral values.

FACULTY

Sr. No.	Faculty
1	Dr. S. T. Magdum



SYLLABUS

Introduction and Importance of Physical Health

Exercise Physiology

In this module learn about exercise physiology and it covers topics such as Muscle Structure and Function; Principles of Physical Training; Physical Training Methods. This module includes learning outcomes and lesson summary units.

Cardiovascular Training

In this module learn about cardiovascular training and it covers topics such as Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints. This module includes learning outcomes and lesson summary units

Running Safely

In this module learn about running safely and it covers topics such as Running Gear; Running Mechanics; Distance Building. This module includes learning outcomes and lesson summary units.

Strength Training

In this module learn about strength training and it covers topics such as Strength Training Terms; Muscular Balance; Diet and Exercise. This module includes learning outcomes and lesson summary units.

Calisthenics

In this module you about calisthenics and it covers topics such as Strength Development; and Calisthenic Exercises. This module includes learning outcomes and lesson summary units.

Plyometrics

In this module learn about plyometrics and it covers topics such as Plyometrics Training. This module includes learning outcomes and lesson summary units.

Training in Challenging Environments

In this module learn about training in challenging environments and it covers topics such as Training in Warm Environments; Training in Cool Environments; Training at High Altitudes. This module includes learning outcomes and lesson summary units.

Preventing & Treating Injuries

In this module learn about preventing & treating injuries and it covers topics such as Treating Inflammation Injuries; Treating Skeletal Injuries; Injury Management. This module includes learning outcomes and lesson summary units.

Performance-Enhancing Substances

In this module learn about performance-enhancing substances and it covers topics such as Using Anabolic Steroids; Hormones and Stimulants. This module includes learning outcomes and lesson summary units.



PRACTICAL

21. Cardiovascular Exercise; Workouts and Aerobic Activities; Running Fitness; Hills and Sprints
22. Running Mechanics
23. Muscular Balance; Diet and Exercise.
24. Calisthenic Exercises
25. Plyometrics Training

COURSE WORK LOAD

Total hours of teaching: 40 (including Lecture and Practical)

Teacher name	Lecture	Practical	Total hours
Dr. S. T. Magdum	20 hrs.	20 hrs.	40 hrs.

VISITING FACULTY

Sr. No.	Name	College
1	Dr. Prashant Patil	Cha.Shahaji College Kolhapur
2	Dr. Rahul Magdum	Shivraj College Gudhinglaj
3	Dr. Dhananjay Patil	Ajara mahavidhyalaya, Ajara.



Course started on 29 August 2022
Inauguration by In- charge Principal Dr. G.G.Chougule

REGISTERED STUDENTS ACADEMIC YEAR 2022-2023

Sr.No.	Students Name	Class
1	Patil Aniket Ananda	TY
2	Vharkat Vishwajeet	TY
3	Chaougale Vishwajeet	TY
4	Aarekar Atharwa	TY
5	Patil Suraj	TY
6	Bote Omkar	TY
7	Waingade Saurabha	TY
8	Pardole Gauraw	SY
9	Budhale Pranaw	SY
10	Patil Ashish	SY
11	Patil Ashish V	FY
12	More Aaditya	FY
13	Patil Pratiraj	FY
14	Patil Anuksha	SY
15	Powar Priyanka	SY
16	Patil Poonam	SY
17	Patil Asmita	SY
18	Mane Sandhya	SY
19	Farakate Aruna	SY
20	Kiloskar Poonam	TY



॥ GYAN SEVA TYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212



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Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that Dr. Prashant Patil, from Cha. Shahaji College Kolhapur visited our college as guest and delivered a lecture on **Physical Health**, on 15/09/2022.

Course Co-Ordinator

Dr. Sushant Tanaji Magdum

Director.Sports and Physical Education

Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

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Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

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Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil Secretary	Shri. R. Y. Patil President
---------------------------------------	---------------------------------------

CERTIFICATE

This is to certify that Dr. Rahul Magdum, from Shivaraj College
Gudhinglaj visited our college as guest and delivered a lecture on
Importance of Physical Health, on 29/09/2022.



Course Co-Ordinator
Dr. Sushant Tanaji Magdum
Director.Sports and Physical Education
Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

॥ GYAN SEVA TYAG ॥



Shri Vyanknath Shikshan Prasarak Mandal's

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

CERTIFICATE

This is to certify that, Dr. Dhananjay Patil from Ajara mahavidhyalaya, Ajara visited our college as guest and delivered a lecture on Physical Health and Diet, on 20/10/2022.

Course Co-Ordinator

Dr. Sushant Tanaji Magdum

Director.Sports and Physical Education

Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

॥ GYAN SEVA TYAG ॥



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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

NOTICE

It is for the information of all registered student of Physical Fitness course.
3month Course Duration are completed on 29th November and exam will be
held on 30th November 2022

Course Co-Ordinator

Dr. Sushant Tanaji Magdum

Director, Sports and Physical Education

Shri Yashwantrao Patil Science College Solankur



Principal

PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur

DEPARTMENT OF SPORTS
ADD ON COURSE EXAMINATION- 2022-23
“Certificate Course of Physical Health”

”

Time:- 1 hr

Marks: 25

Q-1. Write short notes on any three of the following

[15]

5. Meaning of Physical Health
6. Diet and Health
7. Cardiovascular Endurance
8. Strength Training

Q-2. Attempt any one of the following

[10]

3. Importance of Physical Health
4. Types of Physical Exercise



“Certificate Course of Physical Health”

Score Sheet

Sr.No.	Students Name	Obtained Marks
1	Patil Aniket Ananda	21
2	Vharkat Vishwajeet	22
3	Chaougale Vishwajeet	25
4	Aarekar Atharwa	21
5	Patil Suraj	21
6	Bote Omkar	25
7	Waingade Saurabha	23
8	Pardole Gauraw	21
9	Budhale Pranaw	25
10	Patil Ashish	21
11	Patil Ashish V	24
12	More Aaditya	23
13	Patil Pratiraj	25
14	Patil Anuksha	21
15	Powar Priyanka	25
16	Patil Poonam	23
17	Patil Asmita	21
18	Mane Sandhya	22
19	Farakate Aruna	25
20	Kiloskar Poonam	23



“Certificate Course of Physical Health”

Attendances

Sr.No.	Students Name	Sign
1	Patil Aniket Ananda	<u>Aniket</u>
2	Vharkat Vishwajeet	<u>Vharkat Vishwajeet</u>
3	Chaougale Vishwajeet	<u>Chaougale Vishwajeet</u>
4	Aarekar Atharwa	<u>Aarekar Atharwa</u>
5	Patil Suraj	<u>Patil Suraj</u>
6	Bote Omkar	<u>Bote Omkar</u>
7	Waingade Saurabha	<u>Waingade Saurabha</u>
8	Pardole Gaurav	<u>Pardole Gaurav</u>
9	Budhale Pranav	<u>Budhale Pranav</u>
10	Patil Ashish	<u>Patil Ashish</u>
11	Patil Ashish V	<u>Patil Ashish V</u>
12	More Aaditya	<u>More Aaditya</u>
13	Patil Pratiraj	<u>Patil Pratiraj</u>
14	Patil Anuksha	<u>Patil Anuksha</u>
15	Powar Priyanka	<u>Powar Priyanka</u>
16	Patil Poonam	<u>Patil Poonam</u>
17	Patil Asmita	<u>Patil Asmita</u>
18	Mane Sandhya	<u>Mane Sandhya</u>
19	Farakate Aruna	<u>Farakate Aruna</u>
20	Kiloskar Poonam	<u>Kiloskar Poonam</u>







GPS Map Camera

Solankur, Maharashtra, India

C28X+VHH, Solankur, Maharashtra 416212, India

Lat 16.417159°

Long 74.049023°

Google

29/08/23 01:19 PM GMT +05:30



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

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Website: www.ypsc.ac.in

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Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman



Notice

All students are informed that Department of Mathematics and Statistics is offered Add on course entitled **"Mathematics for Competitive Examination"**. This course is started from 6 February 2023. Those who are interested to join this course, kindly give the names to Mr. A. P. Patil Sir and attend the same from 6th February 2023 to 26th April 2023.

Time Table:

The time will be 4:30 pm to 5:30 pm of Monday, Tuesday and Wednesday except government holidays from 6th February 2023 to 26th April 2023.



Handwritten signature
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

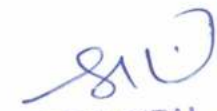
 Shri. A. Y. Patil Secretary	 Shri. R. Y. Patil Chairman
--	---

Report of the Course entitled

“Mathematics for Competitive Examination” (2022-23)

The course is organised for the students of the college to strengthen their basic Mathematics and which helps students in their competitive examination. The course is started from 6th February 2023 and the end date is 26th April 2023. The lectures of this course held from 4:30 pm to 5:30 pm of Monday, Tuesday, and Wednesday except government holidays from 6th February 2023 to 26th April 2023. A total of 51 students enrolled in this course, of which 46 students successfully completed this course. The lectures were managed and delivered by Mr. Amar P. Patil and Dr. Swapnil D. Khorate. Lastly, the certificates are provided to those students who attend minimum 70 percent lectures.




PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



GPS Map
Camera Lite

C27V+P7X, Mogharde, Maharashtra 416212, India

Latitude
16.4166443°

Longitude
74.0426807°

Local 04:34:09 PM
GMT 11:04:09 AM

Altitude 576 meters
Monday, 06.02.2023

Note : Mathematics for competitive Exam



GPS Map
Camera Lite

C27V+P7X, Mogharde, Maharashtra 416212, India

Latitude
16.4177598°

Longitude
74.0386416°

Local 04:33:40 PM
GMT 11:03:40 AM

Altitude 576 meters
Monday, 06.02.2023

Note : Mathematics for competitive Exam



Principal
PRINCIPAL
Shri Yashwantrao Padi Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



C28X+VHH, Solankur, Maharashtra 416212, India

Latitude

16.41686409°

Longitude

74.04894048°

Local 04:40:52 PM

GMT 11:10:52 AM

Altitude 576 meters

Saturday, 26.08.2023

Note : Mathematics for competitive examination



C28X+VHH, Solankur, Maharashtra 416212, India

Latitude

16.41689825°

Longitude

74.04894731°

Local 04:41:29 PM

GMT 11:11:29 AM

Altitude 576 meters

Saturday, 26.08.2023

Note : Mathematics for competitive examination



[Signature]
K PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Department of Mathematics and Statistics

A Course on

“Mathematics for Competitive Examination”

(2022-2023)

Student List

Sr. No.	Name of the Student	Signature
1	Chougale Sanika Tukaram	S.Chougale
2	Chougale Vaidahi Sunil	V.Chougale
3	Bodake Prajakta Dipak	P.B.
4	Chougale Sakshi Balavant	S.C.
5	Delekar Prajnal Prakash	P.Delekar
6	Patil Anuksha Sanjay	A.Patil
7	Desai Arati Ashokrao	A.A.D.
8	Patil Ravina Tukaram	R.T.Patil
9	Choche Arbaj Yasin	A.Choche
10	Patil Sanket Rajendra	S.R.P.
11	Kalikate Ajay Keraba	A.Kalikate
12	Kamble Omkar Dhanaji	O.Kamble
13	Patil Akilesh Sanjay	A.Patil
14	Powar Suraj Rajendra	P.Powar
15	Kamble Shruti Shivaji	S.Kamble
16	Patil Omkar Digambar	O.Patil
17	Kumbhar Kajal Krushnat	K.Kumbhar
18	Gurav Payal Vishnu	P.Gurav
19	Jadhav Ajay Prakash	A.P.J.
20	Ranmale Roshan Tukaram	R.T.Ranmale
21	Adake Manas Dipak	A.Adake
22	Dhanawade Apeksha Maruti	A.Dhanawade
23	Misal Manisha Bajirao	M.Misal
24	Patil Prathamesh Sunil	P.Patil
25	Patil Shridhar Tanaji	S.T.Patil
26	Patil Yuvraj Vilas	Y.V.Patil
27	Powar Shubhangi Madhukar	S.Powar
28	Sutar Sanket Suresh	S.Sutar
29	Patil Karuna Rangrao	K.R.P.
30	Patil Anuja Banderao	A.Patil
31	Karivadekar Sanika Dattatray	S.Karivadekar
32	Patil Dipali Dasharath	D.Patil
33	Patil Ritesh Rajendra	P.R.R.
34	Bodhe Sanjana Sunil	S.B.B.
35	Gurav Asmita Suresh	A.Gurav
36	Kalekar Shubhangi Maruti	S.Kalekar
37	Patil Srushti Bhimrao	S.Patil





॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF MATHEMATICS AND STATISTICS

CERTIFICATE

This is to certify that *chougale Sanika Tukaram* from Shri. Yashwantrao Patil Science College, Solankur has participated and completed a course on "Mathematics for Competitive Examination" from 06-02-2023 to 26-04-2023 organized by Department of Mathematics and Statistics.


MR. A. P. PATIL
Head

Department of Mathematics and Statistics





DR. GURUNATH G. CHOUGALE

PRINCIPAL

 PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF MATHEMATICS AND STATISTICS

CERTIFICATE

This is to certify that *choche Asbaj Yasin* from Shri. Yashwantrao Patil Science College, Solankur has participated and completed a course on “**Mathematics for Competitive Examination**” from 06-02-2023 to 26-04-2023 organized by Department of Mathematics and Statistics.

Atal P.
MR. A. P. PATIL

Head

Department of Mathematics and Statistics



DR. GURUNATH G. CHOUGALE

gco
PRINCIPAL
PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal: Radhanagari, Dist: Kolhapur



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR



DEPARTMENT OF MATHEMATICS AND STATISTICS

CERTIFICATE

This is to certify that *choche Asbaj Yasin* from Shri. Yashwantrao Patil Science College, Solankur has participated and completed a course on "Mathematics for Competitive Examination" from 06-02-2023 to 26-04-2023 organized by Department of Mathematics and Statistics.

MR. A. P. PATIL

MR. A. P. PATIL

Head

Department of Mathematics and Statistics



DR. GURUNATH G. CHOUGALE

PRINCIPAL
PRINCIPAL

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagar, Dist. Kolhapur.

Department of Mathematics and Statistics

A Course on

"Mathematics for Competitive Examination"

(2022-2023)

Attendance Sheet



Sr. No.	Name of the Student	6/12/23	7/12/23	8/12/23	13/12/23	14/12/23	15/12/23	20/12/23
1	Chougale Sanika Tukaram	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale
2	Chougale Vaidahi Sunil	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale	ST Chougale
3	Bodake Prajakta Dipak	AB	AB	AB	AB	AB	AB	AB
4	Chougale Sakshi Balavant	AB	AB	AB	AB	AB	AB	AB
5	Delekar Prajnal Prakash	AB	AB	AB	AB	AB	AB	AB
6	Patil Anuksha Sanjay	AB	AB	AB	AB	AB	AB	AB
7	Desai Arati Ashokrao	A.A.D	A.A.D	A.A.D	A.A.D	A.A.D	A.A.D	A.A.D
8	Patil Ravina Tukaram	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil
9	Choche Arbaj Yasin	AB	AB	AB	AB	AB	AB	AB
10	Patil Sanket Rajendra	S.R.P	S.R.P	S.R.P	S.R.P	S.R.P	S.R.P	S.R.P
11	Kalikate Ajay Keraba	AB	AB	AB	AB	AB	AB	AB
12	Kamble Omkar Dhanaji	AB	AB	AB	AB	AB	AB	AB
13	Patil Akilesh Sanjay	AB	AB	AB	AB	AB	AB	AB
14	Powar Suraj Rajendra	AB	AB	AB	AB	AB	AB	AB
15	Kamble Shruti Shivaji	AB	AB	AB	AB	AB	AB	AB
16	Patil Omkar Digambar	AB	AB	AB	AB	AB	AB	AB
17	Kumbhar Kajal Krushnat	K.K.K	K.K.K	K.K.K	K.K.K	K.K.K	K.K.K	K.K.K
18	Gurav Payal Vishnu	AB	AB	AB	AB	AB	AB	AB
19	Jadhav Ajay Prakash	A.P.J	A.P.J	A.P.J	A.P.J	A.P.J	A.P.J	A.P.J
20	Ranmale Roshan Tukaram	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale
21	Adake Manas Dipak	AB	AB	AB	AB	AB	AB	AB
22	Dhanawade Apeksha Maruti	AB	AB	AB	AB	AB	AB	AB
23	Misal Manisha Bajirao	AB	AB	AB	AB	AB	AB	AB
24	Patil Prathamesh Sunil	AB	AB	AB	AB	AB	AB	AB
25	Patil Shridhar Tanaji	S.T.Patil	S.T.Patil	S.T.Patil	S.T.Patil	S.T.Patil	S.T.Patil	S.T.Patil
26	Patil Yuvraj Vilas	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil
27	Powar Shubhangi Madhukar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar
28	Sutar Sanket Suresh	AB	AB	AB	AB	AB	AB	AB
29	Patil Karuna Rangrao	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P	K.R.P
30	Patil Anuja Banderao	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P	A.B.P
31	Karivadekar Sanika Dattatray	AB	AB	AB	AB	AB	AB	AB
32	Patil Dipali Dasharath	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil
33	Patil Ritesh Rajendra	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R
34	Bodhe Sanjana Sunil	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B
35	Gurav Asmita Suresh	A.S.Gurav	A.S.Gurav	A.S.Gurav	A.S.Gurav	A.S.Gurav	A.S.Gurav	A.S.Gurav
36	Kalekar Shubhangi Maruti	S.M.K	S.M.K	S.M.K	S.M.K	S.M.K	S.M.K	S.M.K
37	Patil Srushti Bhimrao	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil
38	Patil Rutuja Dattatray	R.D.P	R.D.P	R.D.P	R.D.P	R.D.P	R.D.P	R.D.P
39	Awalkar Adinath Shivaji	AB	AB	AB	AB	AB	AB	AB
40	Patil Prathamesh Peckas	AB	AB	AB	AB	AB	AB	AB

(2022-2023)



Sr. No.	Name of the Student	21/2/23	22/2/23	23/2/23	28/2/23	1/3/23	6/3/23	8/3/23
1	Chougale Sanika Tukaram	S.T.Chougale	S.T.Chougale	S.T.Chougale	S.T.Chougale	S.T.Chougale	S.T.Chougale	S.T.Chougale
2	Chougale Vaidahi Sunil	V.Chougale	V.Chougale	V.Chougale	V.Chougale	V.Chougale	V.Chougale	V.Chougale
3	Bodake Prajakta Dipak	PB	PB	PB	PB	Ab	PB	PB
4	Chougale Sakshi Balavant	SC	SC	SC	Ab	SC	SC	SC
5	Delekar Prajnal Prakash	J.P	J.P	J.P	J.P	J.P	J.P	J.P
6	Patil Anuksha Sanjay	Apatil	Apatil	Apatil	Apatil	Ab	Apatil	Apatil
7	Desai Arati Ashokrao	A-A-D	A-A-D	A-A-D	A-A-D	AAD	AAD	AAD
8	Patil Ravina Tukaram	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil	R.T.Patil
9	Choche Arbaj Yasin	Archoche	AB	Archoche	Archoche	Archoche	Archoche	Archoche
10	Patil Sanket Rajendra	S.R-P	S.R-P	S.R-P	S.R-P	S.R-P	S.R-P	S-RP
11	Kalikate Ajay Keraba	Kalkate	Kalkate	Kalkate	Kalkate	Kalkate	Kalkate	Kalkate
12	Kamble Omkar Dhanaji	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
13	Patil Akilesh Sanjay	APatil	APatil	APatil	APatil	APatil	APatil	APatil
14	Powar Suraj Rajendra	Ab	Ab	Ab	Ab	Ab	Ab	Ab
15	Kamble Shruti Shivaji	SS- U	SS- U	SS- U	SS- U	Ab	SS- U	SS- U
16	Patil Omkar Digambar	Ab	Ab	AL	Ab	Ab	Ab	Ab
17	Kumbhar Kajal Krushnat	Kumbh.	Kumbh.	Kumbh.	Kumbh.	Kumbh.	Kumbh.	Kumbh.
18	Gurav Payal Vishnu	Ab	Ab	Ab	Ab	Ab	Ab	Ab
19	Jadhav Ajay Prakash	A.P-J	A.P-J	A.P.J.	A.P-J	A.P.J	A.P.J	A.P.J.
20	Ranmale Roshan Tukaram	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale	R.T.Ranmale
21	Adake Manas Dipak	AMD	AMD	AMD	AMD	AMD	AMD	AMD
22	Dhanawade Apeksha Maruti	DA	XCA	Ab	XCA	XCA	Ab	AA
23	Misal Manisha Bajirao	(M)	(M)	(M)	(M)	(M)	(M)	(M)
24	Patil Prathamesh Sunil	P.Prathl.	P.Prathl.	P.Prathl.	P.Prathl.	P.Prathl.	P.Prathl.	P.Prathl.
25	Patil Shridhar Tanaji	\$ Patil	\$ Patil	\$ Patil	\$ Patil	\$ Patil	\$ Patil	\$ Patil
26	Patil Yuvraj Vilas	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil	Y.V.Patil
27	Powar Shubhangi Madhukar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar	S.M.Powar
28	Sutar Sanket Suresh	Sanket	Ab	Sanket	Sanket	Sanket	Ab	Sanket
29	Patil Karuna Rangrao	K.R-P	K.R-P	K.R-P	K-R-P	K.R-P	K.R-P	K-R-P
30	Patil Anuja Banderao	A-B-P	A.B.P	A-B-P.	A-B-P	A-B-P	A-B-P	A-BP
31	Karivadekar Sanika Dattatray	SK	SK	SK	Ab	SK	SK	SK
32	Patil Dipali Dasharath	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil
33	Patil Ritesh Rajendra	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R
34	Bodhe Sanjana Sunil	S.BB	S.B.B	S.B.B	S.B.B	S.B.B	S.B.B	S-B.B
35	Gurav Asmita Suresh	A.S.Gurav	A.S.Gurav	A.S.Gurav	A-S-Gurav	A-S-Gurav	A-S-Gurav	A-s-Gurav
36	Kalekar Shubhangi Maruti	S.M.K	S.M.K	S.M.K	S-M.k	S.M.k	S.M.k	S.M.k
37	Patil Srushti Bhimrao	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil	S.B.Patil
38	Patil Rutuja Dattatray	RDP	RDP	R.D.P	R.DP.	R-DP	R.DP	R.D.P
39	Awalkar Adinath Shivaji	Awalkar	Awalkar	Awalkar	Awalkar	Ab	Awalkar	Awalkar
40	Patil Prathamesh Prakash	Ab	Pratil	Pratil	Pratil	Pratil	Pratil	Pratil

(2022-2023)

[illegible]

(2022-2023)

Attendance Sheet

[illegible]

“Mathematics for Competitive Examination”

[illegible]



॥ GYAN SEVA TYAG ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypsmsolankur@gmail.com : ypsms436.el@gmail.com

Website: www.ypscac.in

Affiliated to Shivaji University, Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA-2.14)

Shri. A. Y. Patil

Secretary

Shri. R. Y. Patil

Chairman



Notice

All students are informed that Department of Mathematics and Statistics is offered Add on course entitled **"Mathematics for Competitive Examination"**. This course is started from 6 February 2023. Those who are interested to join this course, kindly give the names to Mr. A. P. Patil Sir and attend the same from 6th February 2023 to 26th April 2023.

Time Table:

The time will be 4:30 pm to 5:30 pm of Monday, Tuesday and Wednesday except government holidays from 6th February 2023 to 26th April 2023.



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Shri. R. Y. Patil
Chairman
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur



II GYAN SEVA TYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.el@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman



Add on Course entitled

“Mathematics for Competitive Examination”

Information: -

Mathematics is an essential subject for every government competitive examination. Whether it is UPSC, MPSC, SSC, RPSC, RRB, IBS PO, CAT, Banking exams, Railway exams, or any other, you will find a quantitative aptitude in each one of them. Many students (especially those who are from non-mathematics background) fear about the Mathematical questions, so they will skip the questions. This will possibly impact on their results. So, the objective of the course is to remove their fear and strengthen their knowledge about Mathematics. The course is design in such a way that, students will solve the maximum question related to mathematics. This course is offered for those students who want to build their career through competitive examination or want to clear doubts and building foundation in Mathematics. This course is of minimum 30 hours duration and is arranged over 3 months. The time will be 4:30 pm to 5:30 pm of Monday, Tuesday, and Wednesday except government holidays in scheduled 3 months. The starting date with schedule of course will announce after started first semester of every academic year. After completing the course, students will understand basics in Mathematics and hence score better in competitive examination. The certificate will offer to every admitted student who attend minimum 70 percent lectures.




Shri Yashwantrao Patil Science College,
Solankur Tal. Radhanagari, Dist. Kolhapur.

Shri. Yashwantrao Patil Science College, Solankur

Department of Mathematics and Statistics

Add on Course entitled

“Mathematics for Competitive Examination”

Syllabus:

1. Number System
2. HCF and LCM
3. Decimal Fractions
4. Ratio
5. Percentage
6. Average
7. Profit and loss
8. Interest
9. Problems of ages
10. Time and work
11. Speed, time and distance
12. Problems on trains
13. Square roots
14. Sequence and series
15. Sets
16. Permutations and combinations
17. Probability
18. Pie chart and Pie diagram




Shri. Yashwantrao Patil Science College,
Solankur, Tal. Raichur, Dist. Kolhapur

Shri. Yashwantrao Patil Science College, Solankur**Department of Mathematics and Statistics**

Add on Course entitled

“Mathematics for Competitive Examination”**Board of Studies:**

Sr. No.	Name	Designation
1	Dr. G. G. Chougale	I/C Principal
2	Dr. S. V. Madhale	IQAC Coordinator
3	Mr. A. P. Patil	Assistant Professor
4	Mr. S. D. Khorate	Assistant Professor



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Shri. Yashwantrao Patil Science College,
Solankur Tal. Baramati Dist. Kolhapur.

Shri. Yashwantrao Patil Science College, Solankur
Department of Mathematics and Statistics

Add on Course entitled
“Mathematics for Competitive Examination”

Course Objectives:

1. To help students acquire skills in solving quantitative aptitude by simple methods.
2. Students are expected to prepare competitive examination during his degree course.
3. The main focus of the students will be on quantitative aptitude in short span of time.

Course Outcome:

1. Provide students an opportunity to develop their understanding of fundamental mathematics as part of their preparation for competitive examination.
2. Provide a framework to aid students in acquiring the skills and knowledge required to secure job opportunities in the government sector.



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2 P. Yashwantrao Patil Science College,
Solankur, Tal. Kolhapur, Dist. Kolhapur