



Pune District Education Association's
Anantrao Pawar College, Pirangut,
Tal. - Mulshi, Dist. - Pune.



Academic Year: 2021-22

Name of the Add-on/ Certificate/ Value added program	:	Diploma in Organic Urban Farming
Duration	:	One Year 2021-22
Number of Students Enrolled	:	17

INDEX	
Sr.No.	Document
1	Notice / Brochure (Name of the program,)
2	List of students enrolled (with signature of students)
3	Syllabus (curriculum, assessment procedures)
4	Time-Table (duration)
5	Report (Summary report)
6	Attendance sheet



PUNE DISTRICT EDUCATION ASSOCIATION'S

ANANTRAO PAWAR COLLEGE

PIRANGUT. TAL. MULSHI. DIST. PUNE 412 115



COURSES-BROUCHURE



CERTIFICATE, ADD-ON, SHORT-TERM & DIPLOMA COURSES



2021-22

A Diploma in Organic Farming

CLASS: Open to all students of the college

DURATION: 01 YEAR

COORDINATOR: Prof Akshay Shete

CONTACT NO: 8888422298

Objectives of the Course: To increasing the employment opportunity for rural youth at village level in organic market as organic grower, stakeholders, and entrepreneurs. To create first generation organic agriculture extension workers, field workers and organic growers at village level.

- To create work force which will help/guide/learn the techniques for doubling farmer's income at village level like reducing input cost/inputs management, multilayer cropping, crop waste management, nutrient management, water management etc.
- To impart skills at village level required for organic farming practices and related marketing economics.

Syllabus

Sr. No.	Name of the Course	Course Content(s)	Lectures (Hrs)		Intake	Course Fee (Rs.)
			T*	PP*		
1	Organic Farming	Introduction, Concept/ Philosophies, Principles and Need of organic farming.	36	15	50	3600
2		Soil health, Conversion to organic with soil health management, Crop management, Nutrient Management and Pest Management and Multilayer cropping system base farm planning.	36	15		
3		Composting and recycling of organic matter in organic Agriculture	36	15		
4		On-farm input generation and resource management.	36	15		
5		Traditional organic input preparation/formulation of Biofertilizer, biopesticides, plant health promoters.	36	15		
6		Economics of organic farming, System.	36	15		
7		Branding of rural products, FSSAI, marketing and packaging of organic produce, Current Government schemes related to organic farming.	36	15		
8		Economics of organic farming, System.	36	15		

T*- Theory P*- Practical

Learning Outcomes:

- Develop critical understanding on various aspects of agronomy.
- The nutrition and application of nutrients to plants.
- The cropping methods and crop rotation
- Realize various weed management practices.

Job Opportunities:

- Organic Agricultural or Food Scientist
- Organic Agricultural Sciences Teacher Postsecondary
- Organic Farmer or Rancher
- Organic Certifying Agent
- Organic Niche Retailer

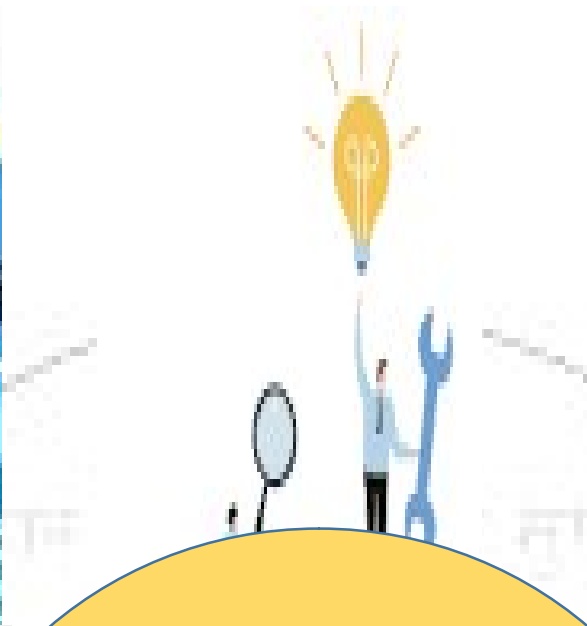


Sharmila R. Chaudhari
Dr. Sharmila R. Chaudhari
Principal

Anantrao Pawar College, Pirangut

"A gap in skills and abilities reveal a golden opportunity"

DIPLOMA AND CERTIFICATE COURSES (2021-2022)



PUNE DISTRICT EDUCATION ASSOCIATION'S
ANANTRAO PAWAR COLLEGE, PIRANGUT
TAL. - MULSHI, DIST. - PUNE, PUNE - 412 115.
Academic Year 2021-22



Date:

DEPARTMENT OF D.VOC
DIPLOMA IN ORGANIC URBAN FARMING
STUDENTS LIST
2021-22.

Sr. No.	Name of the Student	Signature
1	INAMDAR TAUSIF RAJU	
2	MARNE SAKSHI SANTOSH	
3	DHAWALE SACHIN SAHEBRAO	
4	MUNGASE DARSHAN SUBHASH	
5	GHARE MHASKU YASHWANT	
6	PAWALE SUJATA DINESH	
7	SARODE KARAN SUNIL	
8	TAYADE SAURABH GAUTAM	
9	DEORE MAHESH SATISH	
10	NIKAM YUVRAJ SAMPATRAO	
11	KAMBLE HARSHAL TUKARAM	
12	MAZIRE MADHURI SANJAY	
13	SHAIKH NILOFER AKIL	
14	BUDHKAR DALIJA SHAILAJ	
15	BHADKE DIPALI RAMESH	
16	THENG PRAJAKTA GAJANAN	
17	DHAMALE BHAVANA BHARAT	

Co-ordinator

Nodal Officer

Principal
Principal
Anantrao Pawar College, Pirangut
Tal. Mulshi, Dist. Pune-412115

PUNE DISTRICT EDUCATION ASSOCIATION'S,
ANANTRAO PAWAR COLLEGE, PIRANGUT
TAL-MULSHI, DIST- PUNE-412115
Academic Year 2021-22



Date:

DEPARTMENT OF D.VOC
DIPLOMA IN ORGANIC URBAN FARMING
STUDENT LIST
2021-22

Sr. No.	Student Name	Signature
18	KHARADE HARSHAVARDHAN RAJESH	
19	SHINDE SNEHA PRADEEP	
20	GAIKWAD SHUBHAM SHAHAJI	
21	CHAUDHARI MAHESH VITHHAL	
22	SHETE RUTUJA MANIK	
23	BARADE SAKSHI BHALCHANDRA	

Co-Ordinator

Nodal Officer

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Anantrao Pawar College, Pirangut
Tal. Mulshi, Dist. Pune - 412115.

SYLLABUS OF DIPLOMA IN ORGANIC URBAN FARMING

As per the guidelines of NSQF it is expected to include Skill component of the courses can vary from 60 % to 70% of the total credits, and the balanced credits shall be of general education component. In this syllabus Skill component is of 60% and General Component is of 40% i.e. respectively 18 credits and 12 Credits for Practical's and Theory.

Semester wise Papers and Workload.

Semester I				Semester II			
Papers	Type	Credits	Hrs.	Papers	Type	Credits	Hrs
Paper I	Theory	4	60	Paper I	Theory	4	60
Paper II	Theory	4	60	Paper II	Theory	4	60
Paper III	Theory	4	60	Paper III	Theory	4	60
Paper IV	Practical	4	120	Paper IV	Practical	4	120
Paper V	Practical	4	120	Paper V	Practical	4	120
Paper VI	Practical	4	120	Paper VI	Practical	4	120
Hands on Training	Hands on Training	06	180	Hands on Training	Hands on Training	06	180
		30	720			30	720
Total Credits in a year 60/ 1440 Hrs.							


Principal

Kant Rao Pawar College, Pirangut
Tal. Mulshi, Dist. Pune - 412115.



Diploma in Fruits and Vegetables Drying/ Dehydration Technician:-

Outline of the Syllabus

Semester I		Semester II	
DOT 111: Theory Paper I	Introduction to organic Urban Farming, Environmental Awareness & General Education(60L)	DOT 211: Theory Paper I	Diseases and Pests of vegetable and Fruits(60 Lectures)
DOT112: Theory Paper II	Vegetable & Fruits Plants Cultivation Part-I(60L)	DOT 212: Theory Paper II	Bio fertilizers and Bio pesticides(36 Lectures)(60L)
DOT 113: Theory Paper III	Cultivation & Culturing Practices Part-II(60L)	DOT 213: Theory Paper III	Organic Farming Management & General Education(60L)
DOP 114 : Practical Paper I	DOT 114: Paper IV: - Practical Based on Paper I (30 P)	DOP 214: Practical Paper I	Practical Based on Paper II (30P)
DOP 115: Practical Paper II	Practical Based on Paper III (30 P)	DOP 215: Practical Paper II	Practical Based on Paper I (30 P)
DOP 115: Practical Paper III	Practical Based on Paper II(30 P)	DOP 216: Practical Paper III	Practical Based on Paper III(30 P)



Semester: - First (30 Credits)

DOT 111: Paper: - I: - Core Subject: - Introduction to organic Urban Farming, Environmental Awareness & General Education (60L)

Course Outcome: -

- To introduce the student for organic farming.
- To provide the actual practical knowledge of Organic farming.
- To provide knowledge of ancient as well as modern technologies.
- To develop agriculture skill in student.
- To develop self-employability in student.
- To develop marketing skill in student.
- To develop communication skill in student.
- To develop positive thinking in student.
- To know the agriculture diversity.
- To understand the effect of pollution and its effect on agriculture sector.
- To understand the effect of toxic substances on soil born organisms.
- To aware the student with global warming.

1.	Concept and Definition of organic Urban farming	06
	Concept, Definition, Present status at industrial level in India and Maharashtra.	
2	Need and advantages of organic farming	06
	Need of organic farming, Advantages of organic farming, Role of Desi cow in organic farming and Cow dung and urine based products.	
3	Importance of Crop rotation	03
	Crop Rotation method, Crop Plant use in Crop rotation	
3	Equipment's of organic urban farming	04
	Pots, Racks, Sprayer, Garden tools, Power trailer, Seed Processor, Harvesting Equipment	
4	Selection of Site	03
	Components of site selection- soil quality, sunlight, water availability	
5	Biology of the plant	04
	Morphology and anatomy of plant parts with function, Type of Tissue, Xylem, Phloem, Stomata.	

6	Physiology of Plants:-	06
	Photosynthesis, Dormancy, Transpiration, Ascent of sap, Plant Growth regulators, Physiology of Flowering, Stress physiology	
7	Role of Abiotic Factors in plant life	04
	Water, Soil, Humidity, Rainfall and Wind	
8	Environmental studies (12 L)	
	1. Biodiversity	02
	Definition, Types of Biodiversity, Agro biodiversity and its application.	
	2. Pollution	02
	Definition, Types of Pollution, Causes of Pollution, Agriculture and pollution	
	3. Global warming	02
	Definition, Factors responsible for global warming, Impact of global warming on Agriculture, Effects of Global warming.	
9	General Education	
	1. Communication Skills	09
	Self-awareness, Self-management, Social awareness, Relationship management, Cohesion clarity, Friendliness, Confidence, Empathy, Respect, Listening, Open mindedness, Tone of voice, Asking good question	
	2. Soft Skills	09
	Communication, Self- motivation, Leadership, Responsibility, Teamwork, Problem solving, Decisiveness, Ability to work under pressure and time management, Flexibility, Negotiation and conflict Resolution.	

Refreneces:-



Plant propagation, Hatman and Koster. Principle and practices

Plant physiology, S.N. Pandey and B.K. Sinha (2014), Vikas Publishing House Pvt. Ltd. India

A.T.B of Plant Physiology, Verma S.K. and Verma Mohit (2007) S. Chand Publications.

Indian Agriculture Book, Dr. Anirudh Kumar, Indian books periodicals Publications.

Organic Farming, Suresh N. Deshnukh, Agrobios Publications.

Communication Skill, Sanjay Kumar, Pushpa Lata, OUP India Publishers Pvt. Ltd.

Professional Communication Skill, E.K. Jain, S.Chand Publications.

Text Book of Biodiversity, K.V.Krushnamurthy, CRC PRESS Publishers.

Biological Diversity and its Conservation, Dushyant K.Sharma, Daya Publishing House.

Environmental Pollution, Dr.R.K. Khitoliya, S.Chand Publications.

Air Pollution, Bhola Gurjar, CRC PRESS Publishers Pvt. Ltd.

DOT 112: Paper II: - Core Subject: - Vegetable & Fruits Plants Cultivation Part-I (60L)

Course Outcome: -

- To providing the basic knowledge of vegetable.
- To develop skill of cultivation technique of Organic vegetable.
- To understand actual irrigation method.
- To cultivate vegetable in pots.
- To manipulate the production of vegetables.
- This method useful for small area farming or terrace farming.

1	Basic Practices for Preparation of Plantlet Nursery	08
	Bed Preparation, Control conditions, Nursery, Coco peat, Tray for Seed Germination	

2	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of leafy vegetables Part:- I	09
	Fenugreek, Coriander, Spinach, amaranths, Dill,	
3	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of leafy vegetables Part:- II	09
	Green onion, Cabbage, Lemon Grass	
4	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of Fruit vegetables	10
5	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of Climbing vegetables:-:- Part:- I	8
	Bitter Gourd, Ridge Gourd, Snake Gourd, Cucumber. Hadga	
6	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of Exotic vegetables:- Part:- I	8
	Cherry Tomato, Zucchini, Broccoli, Lettuce, Color Capsicum, Asparagus, Parsley, Celery, Red Cabbage, Cauliflower	
7	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of Fruits Plants:-:- Part:- I	8
8	Cultivation of Fruits plant:- Part:- I	
	Strawberry, Grapes.	

Refreneces:-

Organic farming ,Daniel Howard,(2008), Published by Dominant Publisher, New Delhi.

Traditional Organic Farming Practices, E. Somasudaram, D.Ubhaya Nandini
(2018), New India Publishing Agency.

Organic farming Component and Management, Dushant Gehlot, , Agrobios
Publications Pvt. Ltd.

Organic Urban Farming, Prabal Mallik, The Indian Way,L.L. Somani, Agrotech
Publisher Pvt. Ltd.

Traditional Organic Farming Practices, E. Somasudaram, D.Ubhaya Nandini
(2018), New India Publishing Agency.

Organic farming Component and Management, Dushant Gehlot, Agrobios
Publications Pvt. Ltd.

DOT 113: Paper III: Cultivation & Culturing Practices Part-II(60L)

Course Outcome: -

- To providing the basic knowledge of vegetable.
- To develop skill of cultivation technique of Organic vegetable.
- To understand actual irrigation method.
- To understand the method of vegetable cultivation in pots
- To manipulate the production of vegetables
- This method useful for small area farming or terrace farming
- Also develop the supporting product related to organic farming
- To provide training of apiculture
- To developed new parameter of agriculture employability through Spirulina Culturing, mushroom Cultivation.

1	Land Preparation for Cultivation	08
	Soil type, Soil Nutrients management, Soil Bed Preparation.	

2	Irrigation system installment and water management	08
	Basin Irrigation, Sprinkler, Drip Irrigation, Nutrition through Irrigation System.	
3	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of underground vegetables:- Part:- I	08
	Turnip, Potato, Sweet potato, Ginger, Turmeric	
4	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of underground vegetables:- Part:- II	08
	Onion, Garlic, Carrot, Radish, Beet Root	
5	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of vegetables with Pods:-:- Part:- I	08
	Cultivation of French Beans, Peas, Drum Stick,	
6	With reference to Climate and soil, Water, humidity and varieties, Land preparation and Planting, Crop understanding, Irrigation, Pest, Disease and Harvesting of vegetables with Pods:-:- Part:- II	08
5	Cultivation of Mushrooms- edible and poisonous, culturing and production	03
	Introduction, Types of Mushrooms, Cultivation technology for Oyster	
6	Cultivation of <i>Spirulina</i>	03
	Introduction, Mud pot Cultivation of <i>Spirulina</i> , Benefits of <i>Spirulina</i>	
7	Apiculture	03
	Definition, tools required in bee keeping, Harvesting of Honey.	
8	Desi Cow Management and their Product	03
	Milk, Curd, Butter, Ghee, Cow urine based products.	

Refreneces:-

Principles of Organic Farming, P.L. Moliwal, Scientific Publishers Pvt. Ltd.

Organic Farming in Rainfed Agriculture, B. Venkateswarta, , Central Research Institute for Dryland.



Organic farming Component and Management Dushant Gehlot, , Agrobios Publications Pvt. Ltd

Organic Crop Production, Ted Goldammer, , Apex Publishers.

Organic Crop Production, S.S. Walia, Scientific Publishers.

Apiculture in India, Ankit Khandelwal, Indian Council of Agriculture Research.

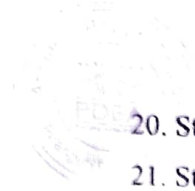
Fundamentals of Beekeeping T.V.Sathe, , Daya Publishing House, New Delhi.

Spirulina, B.V.Umesh, The Dabur Research Foundation, Unicorn Publishers.

Mushroom Cultivation in India, B.C. Suman, V.P. Sharma, Astral International Pvt. Ltd.

DOT 114: Paper IV: - Practical Based on Paper I (30 P)

1. Study Ecological factor affecting plant growth
2. Study of pH meter handling, measurement of pH by using pH paper.
3. Study Cup anemometer and rainfall measurement instrument.
4. Study of soil sampling method.
5. Study of installment of Drip Irrigation System
6. Study installment Sprinkler irrigation system.
7. Preparation of Beds
8. Study of Soil nutrition management.
9. Study of recycling of plastic buckets for pot
10. Preparation of pots for cultivation.
11. Study of different organic seed quality analysis
12. Seed Treatment for vegetables
13. Study method of Crop Rotation.
14. Preparation for climbing of climbing vegetables
15. Study proper harvesting method of vegetables.
16. Study of method use in breaking seed dormancy
17. Method of Cow Urine processing
18. Study of different tools use in organic farming
19. Study of transpiration

- 
20. Study of ascent of sap
 21. Study of different hormones
 22. Study of measurement growth rate parameter.
 23. Basic study of installment of Drip irrigation system
 24. Use of installment of automatic irrigation system
 25. Study pollutant- Water, Soil, Air
 26. Bed preparation For Cultivation
 27. Study of site selection parameter for organic cultivation
 28. Preparation of Plantlets in Nursery
 29. Study organic seed processing
 30. Cultivation equipement

Refreneces:

A.T.B of Plant Physiology, Verma S.K. and Verma Mohit (2007) S. Chand Publications.
Indian Agriculture Book,Dr. Anirudh Kumar, Indian books periodicals Publications.
Organic Farming, Suresh N. Deshnukh, Agrobios Publications.
Communication Skill, Sanjay Kumar, Pushpa Lata, OUP India Publishers Pvt. Ltd.
Professional Communication Skill, E.K. Jain, S.Chand Publications.
Text Book of Biodiversity, K.V.Krushnamurthy, CRC PRESS Publishers.
Biological Diversity and its Conservation, Dushyant K.Sharma, Daya Publishing House.
Environmental Pollution, Dr.R.K. Khitoliya, S.Chand Publications.
Air Pollution, Bhola Gurjar, CRC PRESS Publishers Pvt. Ltd.

DOT 115: Paper VII: - Practical Based on Paper III (30 P)

1. Cultivation of Tumip
2. Cultivation of Sweat Potato



3. Cultivation of Ginger
4. Cultivation of Turmeric
5. Cultivation of Onion
6. Cultivation of Garlic
7. Cultivation of Carrot
8. Cultivation of Radish
9. Cultivation of Beet
10. Cultivation of French been
11. Cultivation of Peas
12. Cultivation of Drumstick
13. Cultivation of Snow Peas
14. Cultivation of **Kokan wal**
15. Cultivation of **Lemon grass**
16. Cultivation of Celery
17. Cultivation of **Red Cabbage**
18. Cultivation of Papaya
19. Cultivation of ficus.
20. Cultivation of Fenugreek in Pots
21. Cultivation of Spinach in Pots
22. Cultivation of Coriander in Pots
23. Cultivation of Amaranths in Pots
24. Cultivation of Dill, in Pots
25. Cultivation of Chilly in Pots
26. Cultivation of Green Onion in Pots
27. Cultivation of Cabbage in Pots
28. Cultivation of Lemon grass in Pots
29. Cultivation of Brinjal in Pots
30. Cultivation of Tomato in Pots
31. Cultivation of Cucumber in Pots
32. Cultivation of Pumpkin in Pots

33. Cultivation of Okra in Pots

Refreneces:

Traditional Organic Farming Practices, E. Somasudaram, D.Ubhaya Nandini (2018), New India Publishing Agency.

Organic farming Component and Management, Dushant Gehlot, , Agrobios Publications Pvt. Ltd.


Organic Urban Farming, Prabal Mallik, The Indian Way, L.L. Somani, Agrotech Publisher Pvt. Ltd.

Traditional Organic Farming Practices, E. Somasudaram, D.Ubhaya Nandini (2018), New India Publishing Agency.

Organic farming Component and Management, Dushant Gehlot, Agrobios Publications Pvt. Ltd.

DOT 116: Paper VIII: - Practical Based on Paper II (30 P)

1. Study of multilayered racks
2. Study different pots use in organic pot farming
3. Cultivation of Bitter Guard in Pots
4. Cultivation of Ridge Guard in Pots
5. Cultivation of Snack Guard in Pots
6. Cultivation of Cherry Tomato in Pots
7. Cultivation of Zucchini in Pots
8. Cultivation of Broccoli in Pots
9. Cultivation of Lettuce in Pots
10. Cultivation of Color Capsicum in Pots
11. Cultivation of Asparagus in Pots
12. Cultivation of Parsley in Pots
13. Cultivation of Celery in Pots

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14. Study of packaging of Exotic Vegetables.
 15. Study of Preservation technique of Exotic Vegetables
 16. Different bio pesticide use in Exotic Vegetable disease management
 17. Cultivation of Spirulina.
 18. Study of construction of ponds for Spirulina cultivation
 19. Cultivation of Button mushroom
 20. Cultivation of Oystermushroom
 21. Study of construction of low budget shade and racks for mushroom cultivation
 22. Methods of packaging mushroom
 23. Culturing of honey bees
 24. Study of processing of honey bees
 25. Study of preparation of Cow Milk product- Curd, Butter Milk, Butter, Ghee.
 26. Study of preparation of Cow urine product- different Gomutra Ark, packaging

Refreneces:

Organic farming Component and Management Dushant Gehlot, , Agrobios Publications Pvt. Ltd

Organic Crop Production, Ted Goldammer, , Apex Publishers.

Organic Crop Production, S.S. Walia, Scientific Publishers.

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Spirulina, B.V.Umesh, The Dabur Research Foundation, Unicorn Publishers.

Mushroom Cultivation in India, B.C. Suman, V.P. Sharma, Astral International Pvt. Ltd.

• Internship:-

It is expected to opt for 180 Hrs. Internship in a semester i.e. Daily 06hrs. for 30 Days On different Farms.



Semester: - Second (30 Credits)

DOT 211: Paper: - I: - Core Subject: - Diseases and Pests of vegetable and Fruits& their Biocontrol (60 L)

Course Outcome: -

- To learn about disease causing pest.
- To understand the method of studying plant diseases.
- To classify the plant diseases and its pests.
- Familiarize with some common plant diseases of India.
- Gain knowledge on Host parasite interaction process.
- To know about the preventing measures of plant diseases.

1	Fundamentals of diseases of vegetable and fruits.	05
	Introduction, Terminology	
2	Methods of studying Plant diseases.	08
	Macroscopic Diseases, Microscopic Diseases, Culture Technique, Media Types, Media Preparation, Pure culture method, Serial Dilution	
3	Fungal Diseases	08
	Club root of Crucifer, Leaf Curl of Tomato, Leaf spot of Termeric	
4	Bacterial Diseases.	08
	Citrus Canker, Bacterial Soft rot in Tomato, Bacterial spot in cucurbits	
5	Mycoplasma plant diseases.	05
	Little leaf of Brinjal	
6	Nematodal Plant diseases	05
	Root knot diseases of vegetables	
7	Viral plant diseases.	05
	Introduction to virus as a plant pathogen, Tomato mosaic, Cucumber mosaic Watermelon mosaic	
8	Non parasitic diseases.	08
	Impact of abiotic causes- Temperature, Soil Ph, Air pollutants, poor O ₂ , Poor light, Nutritional deficiency, Herbicidal injury. Black heart disease of Potato, Khaira disease of Rice.	
9	Principles of plant disease control.	08
	Biological Control, Chemical Control, Physical Control	

References:-

Plant Pathology, George N. Agrios, Elsevier Publications.

Fundamentals of Plant Pathology, Dr. J.N. Sharma,

Plant Pathology Pathogens and Plant Diseases, Dr.P.B. Pandey, S.Chands Publications.

Principles of Plant Pathology, G.P. Jagtap, Agrobios Publications.

Practical Plant Pathology, Vijay Yadav, New India Publishing Agency.

Plant Pathology, R.S.Mehrotra, , MC GRAW HILL Publications.

DOT 212: Paper: - II: - Bio fertilizers and Bio pesticides(60 L)

Course Outcome: -

- Preparation of bio fertilizers by using microorganisms like fungi, bacteria, algae
- Role of mycorrhiza in growth of crop plants.
- Green manuring, compost preparation and their field application.
- Recycle of biodegradable wastes
- To understand the role cow in organic farming.
- Preparation of bio pesticide by using different plant material
- To understand the integrated pest management.

Bio fertilizers (18 L)

1	Introduction to Bio fertilizers	05
	Definition, Scope in India and Importance	
2	Types of Bio fertilizers	05
	Biological nitrogen Fixation, Biological phosphate solubilizing, Organic compost, Animal waste base bio fertilizers	
3	Manures	05
	FYM, Compost, Green manure, Vermiculture	
4	Advantages of Bio fertilizers	05
	Impact of Fungi, Bacteria, algae base fertilizer to improve nutritional value of soil	
5	Indian scenario of Bio fertilizers	08
	Institutes and industries involved in Bio fertilizer Production	
1	Introduction to Bio pesticides	05

	Definition, Scope in India and Importance	
2	Types of Bio pesticides	06
	Plant base Bio pesticide, Fungi base Bio pesticide, Bacteria base bio pesticide, Physical Natural Material as Bio pesticide	
3	Nano Bio pesticides	06
	Plant derived Nano pesticide for agricultural pest control, Recent trends, Future aspect.	
4	Advantages of Bio pesticides	05
	Effectiveness of bio pesticide against various crop diseases Concept of residue free farming	
5	Mass production technology of bio-pesticides	10
	Mass production of Neem based and various plant based bio pesticide- Production Technology, Basic Instrument, Machinery Mass production of Fungi based bio pesticide- Production Technology, Basic Instrument, Machinery	

Refreneces:-

**Biofertilizers for Sustainable Agriculture and Environment, Bhupander Giri,
Springer Publications.**

**Biofertilizers in Agriculture and Forestry Subha Rao N.S., MEDITECH
Publications.**

Biofertilizers, Dr.P.Hyma, Random Publications.

Biofertilizers and Biopesticides,Dr.Shalini Suri, Aph Publishing Corporations.

Biopesticide and Biofertilizers, Krishnendu Acharya, Techno Word Publications.

Biofertilizers and Organic Farming, Himadri Panda, Gene Tech Books Publishers.



DOT 213: Paper III: - Core Subject: - Organic Farming Management & General Education(60 L)

Course Outcome: -

- To understand the proper process of packaging of vegetables.
- To understand the how to increases self-life of vegetable.
- To understand the supply chain between producer to customer.
- Use a vocabulary of marketing term correctly.
- Demonstrate the ability to critically evaluate a marketing program from customer and marketing practitioner viewpoints, including Consideration of ethical implications.
- Communicate clearly, in an organized fashion, the concept of marketing in both oral and written work.
- To understand the relationship management of farmer and customer.
- To create a variety of digital products using appropriate tools and applications and managing digital sources.
- Practice safe, legal and ethical means using ICT.

1.	Packing	05
	Need of packing types, importance, Pack house, Martials used in packing	
2.	Fruit and Vegetable Packaging	04
	Methods and materials used for Fruit and vegetable packing	
3.	Fruit and Vegetable Grading	04
	Introduction, Importance, Methods used.	
4.	Introduction to Directing Marketing	05
	Definition, Advantages, types, SoP used	
5.	Advances of Direct Marketing	04
	Methodology of Direct Marketing, Characteristics of direct marketing, components of direct marketing, Functions of Directing marketing.	
6.	Success stories of Direct marketing in Agriculture	04
	1. Abhinav Farmers Club	


	2. Mahaorganic farmer Group 3 Krushi samrudhi organic farmer Group	
7.	Organic Certification	03
	Concept, Agencies, Necessity, Certification process, standards used	
1.	Funding Agencies	03
	District co-operative Banks, Government Banks, Rural Banks, NABARD, Krushi Finance.	
5.	Vegetable production Management and control	03
	Vegetable production, quantity production, Costumer Demand, Continuity in production, Quality Control, how to improve production.	
6.	Regular Customer Demand and supply Chain management	03
	Different Marketing app, Marketing Order acceptance, Basket Method, Supply chain, feedback management.	
General Education		
1.	ICT skills	12
	Basic Information about Computer, Projector, Notepad, Microsoft Office Word, Microsoft Office Excel, Microsoft Edge, Microsoft Power Point, Microsoft Store, Microsoft outlook, Microsoft Publisher, Google Docs, Mail, APPS, Different Marketing Software, Different Search Engines	
2.	Critical Thinking	04
	Critical Thinking Skill, Observations, Analysis, Inference, Communication, Point of view, Purpose, Assumption, Concepts, Inference, Information, Implication and consequence, Questions, Synthesis.	
3.	Problem Solving	03
	Problem Solving Skill, Analytical Skill, Innovative and creative thinking, A lateral mindset, Adaptability and Flexibility, Level headedness, Initiative, Resilience .	
4.	Value education	03
	Freedoms, Respect, Trust, Reasonability, Forgiveness, Reuse and recycle, Doing your best, Share and care.	

Refreneces:-

- Organic farming Component and Management, Dushant Gehlot, Agrobios Publications Pvt. Ltd.**
- Organic Farming and Marketing in India, Abhay Joshi, LAMBERT Academic Publishing.**
- An Economic Analysis of Organic Farming in Tamilnadu, Sridhar V., LAMBERT Academic Publishing.**
- The Organic Farmers Business Handbook, Richard Wiswall, Chelsia Green Publishing Co.**
- Organic farming Component and Management Dushant Gehlot, , Agrobios Publications Pvt. Ltd.**
- Relevance of Organic Farming, B.L. Jana, Avishkar Publishers, Jaipur.**
- Dr. Smita Diwase, Indian Agriculture and Agri Business Management, Scientific Publishers (India).**
- Objective Agribusiness Management, Shakti Panigrahy, Scientific Publishers (India).**
- Agri Business Management, Dr. J.S. Amarnath, Satish Serial Publishing House.**
- ICT in Education, Dr. Vanaja M, Neelkamal Publications**
- Dr.Arulsamy,Application of ICT in Educations, , Neelkamal Publications**
- Information and Communication Technology, Durgesh Kumar Mishra, Springer Publications.**

DOT 214: Paper VI: - Practical Based on Paper II(30P)

1. Introduction to different microorganisms used in bio fertilizer production.
2. Isolation of Phosphate solubilizing micro-organisms from rhizosphere.
3. Isolation of Rhizobium from root nodules of leguminous crop Isolation and purification of *Azotobacter* from soil.
4. Isolation and purification of *Beijerinckia* form soil.
5. Isolation of *Azospirillum*.
6. Isolation Blue Green Algae from soil
7. Isolation of organic matter decomposing microorganisms
8. Mass multiplication of Rhizobium, *Azotobacter*, and *Azospirillum* inoculum
9. Production and application of Blue Green Algae
10. Production of *Azolla* Biofertilizers
11. Methods of application of Biofertilizers
12. Standards for commercial production of Biofertilizers- Quality control of Biofertilizers
13. Analysis of organic manures-organic carbon, total NPK and C: N ratio
14. Fertilizer analysis-Urea, Ammonium sulphate, Pottassium nitrate, Murate of potash and Rock phosphate for their respective nutrients
15. Study of materials required for vermicomposting
16. Study of requirements for vermicomposting
17. Preliminary treatment for composting material
18. Preparation of vermin beds
19. Setting up of a vermin wash unit
20. Harvesting and economics of vermin composting
21. Study of Green manure processing
22. Desi cow milk and waste base product.
23. Preparation of Jivamrut
24. Analysis of nutritional value of different bio fertilizer.
25. Bio fertilizers packaging method and storage.

- 
26. Bio fertilizer Certification and marketing
 27. Study of preparation of Dashparni Ark
 28. Preparation Neem Kernel Powder.
 29. Neem Kernel aqua extraction.
 30. Preparation of different plant extract for biopesticide.

Refreneces:-

Biofertilizers for Sustainable Agriculture and Environment, Bhupander Giri, Springer Publications.

Biofertilizers in Agriculture and Forestry Subha Rao N.S., MEDITECH Publications.

Biofertilizers, Dr.P.Hyma, Random Publications.


Biofertilizers and Biopesticides,Dr.Shalini Suri, Aph Publishing Corporations.

Biopesticide and Biofertilizers, Krishnendu Acharya, Techno Word Publications.

Biofertilizers and Organic Farming, Himadri Panda, Gene Tech Books Publishers.

DOT 215: Paper VII: - Practical Based on Paper I (30 P)

1. Study of different types media use in plant pathology.
2. Preparation of media for isolation of plant pathogens.
3. Study of Identification of pathogens.
4. Study of mites.
5. Study of fruit flies.
6. Study of aphids.
7. Study of Nematodes.
8. Study of insects.
9. Study of Termites and their effect of fruits plants.
10. Study of pathogen habitat.
11. Study of seed borne diseases.
12. Study air borne diseases.

- 
13. Study of soil borne diseases.
 14. Study of seed health testing method.
 15. Study of Steak plate culturing method.
 16. Study of Pour plate culturing method.
 17. Study of spread plate culturing method.
 18. Study of Serial dilution method.
 19. Study of fungal diseases in vegetable plant
 20. Study of Bacterial diseases in vegetable plant
 21. Study of Viral diseases in vegetable plant
 22. Study of Mycoplasma diseases in vegetable plant
 23. Study of Non Parasitic disease in vegetable plant.
 24. Study on structure of plant pathogen laboratory.
 25. Study of laboratory instrument use in plant pathology.
 26. Study of soil sampling.
 27. Study of different Agriculture Dept. helping farmer to plant health.
 28. Study of Crop insurance.
 29. Study of different instrument use in plant protection.
 30. Study of role of plant pathology Consultant.

Refreneces:-

- Plant Pathology, George N. Agrios, Elsvier Publications.**
- Fundamentals of Plant Pathology, Dr. J.N. Sharma,**
- Plant Pathology Pathogens and Plant Diseases, Dr. P.B. Pandey, S. Chands Publications.**
- Principles of Plant Pathology, G.P. Jagtap, Agrobios Publications.**
- Practical Plant Pathology, Vijay Yadav, New India Publishing Agency.**
- Plant Pathology, R.S. Mehrotra, , MC GRAW HILL Publications.**

DOT 216: Paper VIII: - Practical Based on Paper III(30 P)

1. Study of basic information about computer part.
2. Study of Microsoft Office Word
3. Study of Microsoft Office Excel
4. Study of Microsoft Power Point
5. Study of Microsoft Store
6. Study of Microsoft outlook
7. Study of Microsoft Publisher
8. Study of Google Docs
9. Study of different Mail system
10. Study of different marketing APPS,
11. Different Search Engines
12. Study of Funding Agencies.
13. Study application of different Schemes for organic farming.
14. Study of building low budget biogas construction.
15. Study of instrument use in vegetable quality testing
16. Study of different electronic media use in marketing
17. Study of customer feedback analysis.
18. Study farm management system
19. Study of role farm supervisor
20. Study of residue reduction management system
21. Study basket method in supply chain.
22. Study of cold storage vehicle, their related scheme of government.
23. Study of vegetable order accept and dispatch of vegetable management.
24. Study of proposal writing for funding agencies.
25. Study of different Poly house structuring
26. Study of Poly house polythene paper, Shad nets, Steel and Wood support material
27. Study of group farming and their registration method.
28. Study of different scheme for group farming
29. Study of centralize system management in group farming

30. Study of GST

Refreneces:-

- An Economic Analysis of Organic Farming in Tamilnadu, Sridhar V., LAMBERT Academic Publishing.**
- The Organic Farmers Business Handbook, Richard Wiswall, Chelsia Green Publishing Co.**
- Organic farming Component and Management Dushant Gehlot, , Agrobios Publications Pvt. Ltd.**
- Relevance of Organic Farming, B.L. Jana, Avishkar Publishers, Jaipur.**
- Dr. Smita Diwase, Indian Agriculture and Agri Business Management, Scientific Publishers (India).**
- Objective Agribusiness Management, Shakti Panigrahy, Scientific Publishers (India).**
- Agri Business Management, Dr. J.S. Amarnath, Satish Serial Publishing House.**
- ICT in Education, Dr. Vanaja M, Neelkamal Publications**
- Dr.Arulsamy,Application of ICT in Educations, , Neelkamal Publications**
- Information and Communication Technology, Durgesh Kumar Mishra, Springer Publications.**

- **Internship:-**

It is expected to opt for 180 Hrs. Internship in a semester i.e. Daily 6 hrs. for 30 Days On different Farms.

METHODS OF EVALUATION, PASSING, AND EVALUATION CRITERIA:- 2021-22

The evaluation of students will be done on three parameters:-

- Internal assessment
- Practical Examination
- Semester End/ University examination

For university examination, question papers will be set for seventy marks (three hours duration)
Evaluation will be done on a continuous basis, three times during each semester. Internal assessment will be of 30 marks.

The colleges need to adopt any three out of the following methods for internal assessment:-

- Written examination
- Quiz
- Presentations
- Projects
- Assignments
- Tutorials
- Oral examination

STANDARD OF PASSING.

A candidate is required to obtain 40% marks in Internal Assessment, Practical Examination and Semester End University Examination.

It means that passing separately at internal assessment, practical examination and semester end university examination is compulsory.

Theory Papers: Paper I, II & III - (Total Marks: 100)

Question Paper Format (Semester-I & II End Exam)

Total Marks: 70

Time: Three Hours

Q. 1) Attempt any **three out of five** - 15 Marks

Q. 2) Attempt any **three out of five** - 15 Marks

Q. 3) Attempt any **two out of four** - 20 Marks

Q. 4) Attempt any **four out of six** - 20 Marks

Internal Evaluation- Total- 30 Marks (Applicable to both Semester I & II)

1) Written Test (on prescribed texts)- **10 Marks**

2) Project/Group Discussion/Tutorial/Home Assignment/Seminar/Participation in a Classroom Activity- **20 Marks**

Practical Papers: Paper IV, V & VI (Total Marks: 150)

Internal Evaluation- Total- 100 Marks (Applicable to both Semester I & II)

1) Project- **50 Marks**

2) Participation in a Classroom Activity- **20 Marks**

2) Tutorial/Home Assignment/Seminar - **30 Marks**

Semester End Exam (Semester-I & II) Total- 50 Marks

1) Questions on Project/ Presentation/Home Assignment/Tutorial - **50 Marks** **Time: One Hour**

Q. 1) Attempt any **three out of five** - 15 Marks

Q. 2) Attempt any **three out of five** - 15 Marks

Q. 3) Attempt any **two out of four** - 20 Marks



अनंतराव पवार महाविद्यालय, पिंपळ
ता. मुळशी, जि. पुणे-४१२११५.

पुणे जिल्हा शिक्षण मंडळाचे
अनंतराव पवार महाविद्यालय, पिरंगुट

ता.- मुळशी जि. पुणे- ४१२११५



वार्षिक अहवाल :डी.व्होक ऑरगॅनिक अर्बन फार्मिंग
(शैक्षणिक वर्ष: २०२१-२२)

शैक्षणिक वर्ष २०२०-२१ पासून UGC-NSQF च्या योजनेअंतर्गत महाविद्यालयात ऑरगॅनिक अर्बन फार्मिंग हा कोर्स सुरू करण्यात आला असून शैक्षणिक वर्ष २०२१-२२ हे या कोर्स चे दुसरे वर्ष आहे. या योजनेअंतर्गत महाविद्यालयातील विद्यार्थ्यांना कौशल्यावर आधारित शिक्षण मिळावे तसेच त्यांना रोजगाराच्या व स्वयंरोजगाराच्या संधी उपलब्ध व्हाव्यात या उद्देशाने महाविद्यालयात हा कोर्स सुरू करण्यात आला. हे महाविद्यालय ग्रामीण भागातील आहे. तसेच या महाविद्यालयात येणारे विद्यार्थी बहुतांश ग्रामीण भागातील आहेत. बहुतांश विद्यार्थ्यांची उपजीविका शेती या व्यवसायावरती अवलंबून आहे म्हणून त्यांना शेतीच्या माध्यमातून रोजगार उपलब्ध व्हावा तसेच शेतीवर आधारित उद्योग व्यवसायांची ओळख व्हावी त्यामधून त्यांची आर्थिक परिस्थिती सुधारण्यास परिणाम होईल हे ध्येय समोर ठेवून हा कोर्स महाविद्यालयात सुरू करण्यात आला. तसेच मुळशी तालुका पुणे शहरापासून जवळ असल्याकारणाने शेतीमालाला चांगल्या प्रकारची बाजारपेठ उपलब्ध आहे. ऑरगॅनिक अर्बन फार्मिंग या कोर्सेसच्या माध्यमातून शेती तंत्रज्ञान व रसायनमुक्त शेती कशी करावी यांचे मार्गदर्शन करण्यात येत आहे. या शैक्षणिक वर्षात या कोर्सला एकूण विद्यार्थ्यांनी प्रवेश घेतला.

शैक्षणिक वर्ष २०२१-२२ या वर्षात कोर्सचा अभ्यासक्रम महाविद्यालयातील शिक्षक व उद्योग क्षेत्रात कार्यरत असलेल्या व्यक्तींच्या मार्गदर्शनाखाली पूर्ण करण्यात आला. या कोर्सला महाविद्यालयातील श्री. अक्षय शेते व अभिनव फार्मर्स क्लबचे प्रमुख श्री. ज्ञानेश्वर बोडके व श्रीमती विशाखा बुरटे यांनी अध्यापनाचे कार्य केले. हा अभ्यासक्रम १८० सैद्धांतिक, ९० प्रात्यक्षिके तासिका व प्रात्यक्ष प्रशिक्षण अशा मार्फत प्रथम व द्वितीय असा प्रत्येक सत्राचा अभ्यासक्रम पूर्ण करण्यात आला. अभ्यासक्रमास प्रवेशित झालेल्या १६ विद्यार्थ्यांपैकी १६ एवढ्या विद्यार्थ्यांनी प्रथम सत्राच्या परीक्षा दिल्या तर द्वितीय सत्र परीक्षा १२ एवढ्या विद्यार्थ्यांनी दिलेली आहे.

हा कोर्स पूर्ण करण्यासाठी बी. व्होक चे प्रमुख डॉ. प्रवीण चोळके व महाविद्यालयाच्या प्राचार्य डॉ. शर्मिला चौधरी यांचे बहुमोल मार्गदर्शन लाभलेल्या कोर्सेचे समन्वयक म्हणून श्री अक्षय शेते यांनी काम पाहिले.

समन्वयक

अनंतराव पवार महाविद्यालय, पिरंगुट
ता. मुळशी, जि.पुणे-४१२११५



Pune District Education Association's

Anantrao Pawar College, Pirangut

Tal.- Mulshi Dist. Pune- 412115

Annual Report: D.Voc Organic Urban Farming

(Academic Year: 2021-22)

D.VOC Diploma in Organic Urban Farming course has been started in the college under the scheme of UGC-NSQF from the academic year 2020-21. The course has been completed for the academic year 2021-22. Under this scheme, this course was started in the college with the aim of providing skill based education to the students of the college and providing those opportunities for employment and self-employment. This college is in a rural area. Also, most of the students coming to this college are from rural areas. Since the livelihood of most of the students depends on agriculture, this course was started in the college with the aim that they should get employment through agriculture and get to know agriculture based industries and businesses which will affect their economic situation. Also Mulshi Tehsil is close to Pune city so good market is available for agricultural produce. Through the Organic Urban Farming courses, agricultural technology and how to do chemical-free farming are being guided. A total of 16 students took admission in this course in this academic year.

This course was completed under the guidance of the faculty of the college and the persons working in the industry. This course was taught by Prof. Akshay Shete and head of Abhinav Farmers Club Mr. Dnyaneshwar Bodke did the work of teaching. This course was completed through 180 hours of theory, 90 hours of practical training and practical training for each semester. Out of 16 students admitted to the course, 12 students appeared in both the semester exams and 12 students passed.

To complete this course, Prof. Akshay Shete worked as the coordinator of the course under the valuable guidance of the Vice-Principal of the college Dr. Pravin Cholke & Hon'ble Principal Dr. Sharmila Chaudhari.

Co-ordinator

Anantrao Pawar College, Pirangut
Tal Mulshi, Dist Pune 412115

पुणे जिल्हा शिक्षण मंडळाचे

अनंतराव पवार महाविद्यालय, पिरंगुट ता.- मुळशी जि. पुणे- ४१२११५

उपस्थिती अहवाल : डी.व्होक ऑरगॅनिक अर्बन फार्मिंग (शैक्षणिक वर्ष : २०२१-२२)

विद्यार्थ्यांचे नाव	दिनांक	०१/१०/२१	०२/१०/२१	०३/१०/२१	०४/१०/२१	०५/१०/२१	०६/१०/२१	०७/१०/२१	०८/१०/२१	०९/१०/२१	१०/१०/२१	११/१०/२१	१२/१०/२१	१३/१०/२१	१४/१०/२१	१५/१०/२१	१६/१०/२१	१७/१०/२१	१८/१०/२१	१९/१०/२१	२०/१०/२१	२१/१०/२१	२२/१०/२१	२३/१०/२१
१) ललितार तारिफ रावू		Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
२) माखे साक्षी सतोष		Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
३) दत्तक सावित्री सोहबराव		DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
४) मंगेश धर्मा सुजाव		DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
५) धारे मधुसू मरावण		Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm	Gm
६) पवळ सुजाता दिनेश		Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata	Sugata
७) सोराव डेव सुनील		Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
८) लायड सावित्री उताव		Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta	Uta
९) देवरे ग्रेस्या संजिवा		Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash	Omakash
१०) निजकुम मुरवराज संपतराव		NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS	NVS
११) कावड हवल सुजाराव		Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be	Be
१२) माडिरे माधुरी रंजय		Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim	Sim
१३) शेव निखोफर डिकी		Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof	Nikhof

Teacher

Principal

Anant Rao Pawar College, Pirangut
Tal. Mulshi, Dist. Pune - 412115.

पुणे जिल्हा शिक्षण मंडळाचे

अनंतराव पवार महाविद्यालय, पिरंगुट ता.- मुळशी जि. पुणे- ४१२११५

उपस्थिती अहवाल : डी.व्होक ऑर्गॅनिक अर्बन फार्मिंग (शैक्षणिक वर्ष : २०२१-२२)

विद्यार्थ्यांचे नाव	०१/०१/२१	०२/०१/२१	०४/०१/२१	०५/०१/२१	०६/०१/२१	०७/०१/२१	०८/०१/२१	०९/०१/२१	१०/०१/२१	११/०१/२१	१२/०१/२१	१३/०१/२१	१४/०१/२१	१५/०१/२१	१६/०१/२१	१८/०१/२१	१९/०१/२१	२०/०१/२१	२१/०१/२१	२२/०१/२१	२३/०१/२१
१) बुचकर दलितज संजय	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali
१५) भडके विजय रमेश	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali	Dipali
१६) हेग पाजकर गगन	HS	HS	HS	HS	HS	A	A	A	A	HS	HS	A	A	HS	A	HS	A	A	HS	HS	HS
१७) बगले भावरा भरत	भावेरा	भावेरा	A	A	A	A	भावेरा	A	A	A	भावेरा	भावेरा	A	भावेरा	A	भावेरा	A	A	भावेरा	भावेरा	भावेरा
१८) कवडे हर्षवर्धन रमेश	Kunde	Kunde	Kunde	Kunde	A	A	Kunde	A	Kunde	A	Kunde	A	A	A	Kunde	A	Kunde	A	Kunde	Kunde	Kunde
१९) सिंदे रमेश जयप	SP	SP	A	A	SP	SP	SP	A	SP	A	SP	A	SP	A	SP	A	SP	A	SP	A	SP
२०) गायकुड शुभम शाहज	Shubham	Shubham	Shubham	Shubham	A	A	Shubham	A	A	A	Shubham	A	A	A	Shubham	A	Shubham	A	Shubham	Shubham	Shubham
२१) चौधरी मेहरा विजय	Chaudhary	A	Chaudhary	A	Chaudhary	A	A	Chaudhary	A	A	Chaudhary	A	A	A	Chaudhary	A	Chaudhary	A	Chaudhary	Chaudhary	Chaudhary
२२) शेठ प्रतुषा भागिरा	Sheth	A	A	Sheth	A	Sheth	A	A	Sheth	Sheth	Sheth	A	Sheth	A	Sheth	A	Sheth	A	Sheth	A	Sheth
२३) चव्हे साक्षी भाग्य	BS	A	BS	A	A	BS	A	BS	A	BS	A	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS

Teacher

Principal

Anantao Pawar College, Pirangut
Tal. Mulshi, Dist. Pune - 412115

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri TAYADE SAURABH GAUTAM

Mother's Name: -ASHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1306

P.R.No. : 2021242260

College code: 0866

Mahesh Kakade

Director

Board of Examinations & Evaluation

DATE: 20 MARCH 2023

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri MUNGASE DARSHAN SUBHASH

Mother's Name:-ASHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

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Seat No. : 1304

P.R.No. : 2021242278

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Smt. MARNE SAKSHI SANTOSH

Mother's Name:-SAVITA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that she is eligible for the aforesaid Degree Certificate, whenever she applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1302

P.R.No. : 2021242262

College code: 0866

Mahesh Kakade

Director

Board of Examinations & Evaluation

DATE: 20 MARCH 2023

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri INAMDAR TAUSIF RAJU

Mother's Name:-RAISA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1301

P.R.No. : 2021242272

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri DHAWALE SACHIN SAHEBRAO

Mother's Name:-RAJABAI

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

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Seat No. : 1303

P.R.No. : 2021242277

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri DEORE MAHESH SATISH

Mother's Name:-YOGITA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1307

P.R.No. : 2021242280

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri NIKAM YUVRAJ SAMPATRAO

Mother's Name:-SHOBHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1308

P.R.No. : 2021242259

College code: 0866

Mahesh Kakade

Director

Board of Examinations & Evaluation

DATE: 20 MARCH 2023

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Shri KAMBLE HARSHAL TUKARAM

Mother's Name:-SUREKHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that he is eligible for the aforesaid Degree Certificate, whenever he applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1309

P.R.No. : 2021242273

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Smt. MAZIRE MADHURI SANJAY

Mother's Name:-JAYASHREE

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that she is eligible for the aforesaid Degree Certificate, whenever she applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1310

P.R.No. : 202124226

College code: 0866

Mahesh Kakade
Director

DATE : 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Smt. BHADKE DIPALI RAMESH

Mother's Name:-MANISHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that she is eligible for the aforesaid Degree Certificate, whenever she applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1311

P.R.No. : 2021242271

College code: 0866

Mahesh Kakade
Director

DATE: 20 MARCH 2023

Board of Examinations & Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(formerly University of Pune)

GANESHKHIND PUNE 411 007



Passing Certificate

This is to certify that -

Smt. THENG PRAJAKTA GAJANAN

Mother's Name:-SUREKHA

has appeared for the

D.VOC.(ORG.URBAN FARMING)

examination held in month of April 2022 and declared to have passed the examination with 'A+' grade.

This is further to certify that she is eligible for the aforesaid Degree Certificate, whenever she applies for the same at the University Convocation.

Passing Certificate issued by Savitribai Phule Pune University shall be treated as the Provisional Degree Certificate till the candidate gets his/her degree certificate in the ensuing Convocation ceremony.

Seat No. : 1312

P.R.No. : 2021242279

College code: 0866

Mahesh Kakade
Director

DATE : 20 MARCH 2023

Board of Examinations & Evaluation