

SREE NARAYANA COLLEGE, KOLLAM

ADD ON COURSE

Department of Botany 2019 - 2020

Programme - Mushroom Cultivation and Marketing

Course Duration: 30 hours



SREE NARAYANA COLLEGE, KOLLAM

**NAAC Re-accredited with 'A' Grade
Affiliated to University of Kerala**

Certificate course in

Mushroom Cultivation and Marketing

Organised by

**Post Graduate and Research
Department of Botany**

Duration 30 Hours

**Qualification
+2 Pass**

**Apply before
28 June ,2019**

**Contact
Dr. PREETHA P.S
9446662864**



SREE NARAYANA COLLEGE, KOLLAM

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9446662864**

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY

COLLEGE -LEVEL CERTIFICATE COURSE (2019 - 20)

Mushroom Cultivation and Marketing

Notice

It is to inform all concerned that a meeting of the members of Board of Studies in the College level certificate programme on Mushroom Cultivation and Marketing organised by the department of Botany will be conducted on 03/7/2019 at 2pm.

Agenda:

- Finalise the syllabus
- Course timetable

Course Coordinator

Dr. Preetha P. S

Course Director

Dr. R Sunilkumar

(Principal)

Members

1. Dr. Nisha.A.P (HOD)
2. Dr. Chitra Vijayan
3. Dr.Vilash .V

[Handwritten signatures in blue ink: Nisha.A.P, Chitra, and Vilash.V]



SYLLABUS

[Total hours :30]

Programme - Mushroom Cultivation and Marketing

Mushroom cultivation can help to reduce vulnerability to poverty and strengthens livelihoods. It is fast yielding and nutritious source of food and a reliable source of income. The cultivation is viable and attractive as it does not require access to land, It is an eco-friendly agricultural practice in the efficient utilization of agricultural and industrial waste. It can also play a significant role in generating self employment opportunity. Considering the significance of mushroom cultivation the department is offering a certificate course in mushroom cultivation for the under graduate students. In addition to theory classes the course is providing hands-on trainings, seminars, and field visits.

Aim of the Course

- To provide hands on training for the preparation of bed for mushroom cultivation
- To give the students exposure to the experiences of experts
- Help the students to learn a means of self employment and income generation

Duration of the Course: 30 Hours

OBJECTIVE OF THE COURSE

- To understand methods of Mushroom Cultivation.
- To understand economic importance of Mushroom Cultivation.
- To understand various marketing strategies.

LEARNING OUTCOMES

- To start their own entrepreneurship.
- To identify mushrooms and mode of propagation.
- To identify nutritional values of mushrooms...

Module I 10 hours

Unit-I: History of Mushrooms

Introduction to Mushrooms, Basic concept of mushrooms, Health Benefits of Mushrooms

Unit-II: Mushroom Morphology

Different parts of a typical Mushroom

Unit-III: Mushroom Ecology

Occurrence, Natural Habitats

Module II

10 hours

Unit-III: Cultivation of Edible Mushrooms

Basic requirement of cultivation of edible *Pleurotus* sp. Mushroom

Unit-IV: Spawn Preparation

Facilities required for spawn preparation, Preparation of spawn substrate.

Unit-V Marketing strategies of mushroom.

Practical for Mushroom Cultivation [10 hours]

1. Study of external morphology of mushroom.
2. Study of internal structure of mushroom.
3. Diagrammatic study of life cycle of typical mushroom.
4. Preparation of spawn substrate.
5. Marketing strategies of mushroom.

References

Pandey B.P (1996) A text book of Fungi. Chand and Company, NewDelhi.

Pavel Kalc (2016) Edible Mushrooms, Chemical composition and nutritional value, Elsevir book aid International

DEPARTMENT OF BOTANY

COLLEGE-LEVEL CERTIFICATE COURSE (2019 - 20)

Mushroom Cultivation and Marketing

Time Table

Name of teacher	Date and Time									
	29/7	30/7	31/7	16/8	19/8	20/8				
Dr. Nisha A P	8.30-9.30	8.30-9.30	8.30-9.30	8.30-9.30	3.15-4.15	3.15-4.15				
Dr. Preetha P. S	22/7 8.30-9.30	23/7 8.30-9.30	24/7 8.30-9.30	25/7 8.30-9.30	26/7 8.30-9.30	13/8 8.30-9.30	14/8 8.30-9.30		15/8 8.30-9.30	
Dr. Chitra Vijayan	15/7 3.15-4.15	16/7 3.15-4.15	17/7 3.15-4.15	18/7 3.15-4.15	19/7 8.30-9.30	8/8 8.30-9.30	9/8 8.30-9.30		12/8 8.30-9.30	
Dr. Vilash .V	10/7 8.30-9.30	11/7 3.15-4.15	12/7 3.15-4.15	1/8 3.15-4.15	2/8 3.15-4.15	5/8 3.15-4.15	6/8 3.15-4.15		7/8 3.15-4.15	

ADD ON COURSE
Department of Botany 2019 - 2020

BOARD OF STUDIES

Members

Chairman: Dr. R. Sunil Kumar (Principal)

Coordinator: Dr. Preetha.P.S

Members

Dr. Nisha.A.P (HOD)

Dr. Chitra Vijayan

Dr.Vilash .V



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY

COLLEGE -LEVEL CERTIFICATE COURSE (2019 - 20)

Mushroom Cultivation and Marketing

List of Teachers

Dr. Nisha A P (Head, Department of Botany)

Dr. Preetha P. S (Assistant Professor, Botany)

Dr. Chitra Vijayan

Dr.Vilash .V

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
 COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)

List of students applied

SI No	CANDIDATE CODE	NAME
1	24518132001	AISWARYA.A
2	24518132002	AMAL KARUNAKARAN
3	24518132003	ANJANA AJAYAN
4	24518132004	ANJANA LAL
5	24519132005	ARCHA RAJ
6	24518132009	FATHIMUTHU SUHARA
7	24519132007	ASHIK.S JEEVAN
8	24518132015	RUKMA RAJ
9	24519132009	DILNA .D
10	24518132032	DEVU SUDARSANAN
11	24519132043	LEKSHMI VIJAYAN
12	24519132012	GOPIKA KRISHNAN P G
13	24519132038	JEEVAN JOSEPH
14	24519132014	JUMANA. M
15	24519132052	SUMAN G
16	24519132053	SURYA S.B
17	24518132049	VAISHNAVI SUNILKUMAR
18	24519132018	PARVATHY. L
19	24518132047	UMA PRASAD
20	24519132037	HARITHA .B
21	24518132017	SAJITHRA. V
22	24518132019	VISHNU. V
23	24518132021	ABHIRAM MOHAN
24	24518132022	ABHIRAM.R
25	24518132023	ADARSH S
26	24518132024	AKSHAY CHANDRAN. J
27	24518132025	AKSHAY SURESH
28	24518132027	ANJANA. T.P
29	24518132031	ASWAL. M
30	24518132034	GAYATHRI A
31	24518132035	GOPIKA.A
32	24518132036	GOURESH KURUP M
33	24518132037	GOURI M R
34	24517132044	REHANA B R
35	24517132045	SAJISHNA S
36	24518132041	KAVYA S
37	24518132042	NEETHU M D
38	24518132043	RUKSANA. N
39	24517132047	SHALINI SASIKUMAR
40	245 18 132 044	SANGEETH S

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
 COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)

List of students selected

Sl No	CANDIDATE CODE	NAME
1	24518132001	AISWARYA.A
2	24518132002	AMAL KARUNAKARAN
3	24518132003	ANJANA AJAYAN
4	24518132004	ANJANA LAL
5	24519132005	ARCHA RAJ
6	24518132009	FATHIMUTHU SUHARA
7	24519132007	ASHIK.S JEEVAN
8	24518132015	RUKMA RAJ
9	24519132009	DILNA .D
10	24518132032	DEVU SUDARSANAN
11	24519132043	LEKSHMI VIJAYAN
12	24519132012	GOPIKA KRISHNAN P G
13	24519132038	JEEVAN JOSEPH
14	24519132014	JUMANA. M
15	24519132052	SUMAN G
16	24519132053	SURYA S.B
17	24518132049	VAISHNAVI SUNILKUMAR
18	24519132018	PARVATHY. L
19	24518132047	UMA PRASAD
20	24519132037	HARITHA .B
21	24518132017	SAJITHRA. V
22	24518132019	VISHNU. V
23	24518132021	ABHIRAM MOHAN
24	24518132022	ABHIRAM.R
25	24518132023	ADARSH S
26	24518132024	AKSHAY CHANDRAN. J
27	24518132025	AKSHAY SURESH
28	24518132027	ANJANA. T.P
29	24518132031	ASWAL. M
30	24518132034	GAYATHRI A
31	24518132035	GOPIKA.A
32	24518132036	GOURESH KURUP M
33	24518132037	GOURI M R
34	24517132044	REHANA B R
35	24517132045	SAJISHNA S
36	24518132041	KAVYA S
37	24518132042	NEETHU M D
38	24518132043	RUKSANA. N
39	24517132047	SHALINI SASIKUMAR
40	245 18 132 044	SANGEETH S

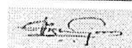

 Principal
 Sree Narayana College
 Kollam





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
Mushroom Cultivation and Marketing
Student Profile

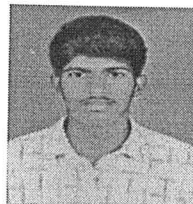
Name	AISWARYA.A
Candidate Code	24518132001
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132306102
Date of Birth	08/06/2000
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
ARYALAYAM	ARYALAYAM
THOPPICHANTHA	THOPPICHANTHA
PERUMKULAM P O	PERUMKULAM P O
O 695102	695102
	Mob: 9539204840





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
Mushroom Cultivation and Marketing
Student Profile

Name	AMAL KARUNAKARAN
Candidate Code	24518132002
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132318152
Date of Birth	09/03/2000
Gender	M
Religion	Hindu
Caste	Sambavan
Fee Concession	Yes
Community	SC
Permanent	Communication
Address	Address
RAMA VILASAM	RAMA VILASAM
VARINJAM	VARINJAM
EDANADU	EDANADU
691579	691579
	Mob: 8304857638



Amal



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
Mushroom Cultivation and Marketing Student Profile

Name	ANJANA AJAYAN
Candidate Code	24518132003
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132301513
Date of Birth	15/01/2001
Gender	F
Religion	Hindu
Caste	Thandan (with exclusion mentioned in the prospectus)
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
ANJU NIVAS CHAVARA SOUTH CHAVARA SOUTH 691584	ANJU NIVAS CHAVARA SOUTH CHAVARA SOUTH 691584 Mob: 9495476346



Anjana



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
Mushroom Cultivation and Marketing
Student Profile

Name	ANJANA LAL
Candidate Code	24518132004
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132365265
Date of Birth	06/10/1998
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
ANJANA KARINGANNOOR KARINGANNOOR 691516	ANJANA VELINALLOR KARINGANNOOR 691516 Mob: 7902659537





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	ARCHA RAJ
Candidate Code	24519132005
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132304381
Date of Birth	12/03/2001
Gender	F
Religion	Hindu
Caste	Nair
Fee Concession	No
Community	General
Permanent	Communication
Address	Address
PRANAVAM	PRANAVAM
THOKKADU	THOKKADU
VADASSERIKONAM	VADASSERIKONAM
695143	695143
	Mob: 7559972086





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	FATHIMUTHU SUHARA
Candidate Code	24518132009
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132333374
Date of Birth	15/12/1999
Gender	F
Religion	Islam
Caste	Muslim
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
KOVALAM HOUS VARKALA VARKALA 695141	Kovalam House Odayam Varkala Trivandrum Varkala 695141 Mob: 9846625807

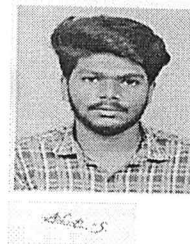




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DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	ASHIK.S JEEVAN
Candidate Code	24519132007
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132364151
Date of Birth	05/09/2002
Gender	M
Religion	Hindu
Caste	Parayan
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
MELEPLAVILA	MELEPLAVILA VEEDU
VEEDU	VENNICODE
VENNICODE	VENNICODE P O
VENNICODE P O	695318
695318	Mob: 8086638606





SREE NARAYANA COLLEGE
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COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	RUKMA RAJ
Candidate Code	24518132015
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132323158
Date of Birth	02/01/2001
Gender	F
Religion	Hindu
Caste	Viswakarma
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
ARAMAM	ARAMAM
AYROOR VARKALA	AYROOR VARKALA
KIZHAKKEPURAM	KIZHAKKEPURAM
695310	695310
	Mob: 9895744592





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	DILNA .D
Candidate Code	24519132009
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132351951
Date of Birth	14/07/2000
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	No
Community	General
Permanent Address	Communication Address
DIJIN LAND	DIJIN LAND
VARKALA	VARKALA
AYIROOR P O	AYIROOR P O
695310	695310
	Mob: 7034883406





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name DEVU SUDARSANAN

Candidate Code 24518132032

Course B Sc Botany (245)

College S N College Kollam(
132)

Student Id 245132376071

Date of Birth 25/07/2000

Gender F

Religion Hindu

Caste Kurava

Fee Concession Yes

Community SC

Permanent **Communication**

Address	Address
BHASURA	BHASURA BHAVAN
BHAVAN	KUDAVATTOOR
KUDAVATTOOR	KUDAVATTOOR
KUDAVATTOOR	691512
691512	Mob: 8593976066





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name LEKSHMI VIJAYAN

Candidate Code 24519132043

Course B Sc Botany (245)

College S N College Kollam(
132)

Student Id 245132344074

Date of Birth 30/07/2000

Gender F

Religion Hindu

Caste Thachar (other than
Carpenter)

Fee Concession Yes

Community SC

Permanent Communication

Address	Address
Vijaya Bhavanam	Vijaya Bhavanam
Karunagappally	Karunagappally
Manappally North	Manappally North PO
PO	690574
690574	Mob: 9947630435



(Signature)



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	GOPIKA KRISHNAN P G
Candidate Code	24519132012
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132302994
Date of Birth	09/05/2001
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address VELLIVILA VEEDU VELLIVILA VEEDU THRIKKADAVOOR THRIKKADAVOOR PERINAD P O PERINAD P O 691601 691601 Mob: 7559086052





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	JEEVAN JOSEPH
Candidate Code	24519132038
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132377170
Date of Birth	18/12/2001
Gender	M
Religion	Christian
Caste	Latin Catholics other than Anglo Indians
Fee Concession	No
Community	General
Permanent Address	Communication Address
GANGA	GANGA
PATTATHANAM	PATTATHANAM NAGAR
NAGAR	PATTATHANAMA P O
PATTATHANAMA P O	691021
691021	Mob: 8129043505



Jeevan



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	JUMANA. M
Candidate Code	24519132014
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132326303
Date of Birth	30/06/2001
Gender	F
Religion	Islam
Caste	Muslim
Fee Concession	No
Community	General
Permanent Address	Communication Address
KAVULLA	KAVULLA NEDIYAZHIKAM
NEDIYAZHIKAM	THEKKEVILA
THEKKEVILA	ERAVIPURAM
ERAVIPURAM	691011
691011	Mob: 9605915941



Jumana



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	SUMAN G
Candidate Code	24519132052
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132800505
Date of Birth	06/10/1999
Gender	M
Religion	Hindu
Caste	Chakkiliyan
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
MUNICIPAL COLONY	MUNICIPAL COLONY
KOLLAM	KOLLAM
KOLLAM	KOLLAM
691001	691001
	Mob: 8606024388



Suman G



**SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING**

Student Profile

Name	SURYA S.B
Candidate Code	24519132053
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132344861
Date of Birth	06/06/2002
Gender	F
Religion	Hindu
Caste	Kurava
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
SURABHI BHAVAN	SURABHI BHAVAN
VELIYAM	VELIYAM
VELIYAM P O	VELIYAM P O
691540	691540
	Mob: 7902834320





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	VAISHNAVI SUNILKUMAR
Candidate Code	24518132049
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132342088
Date of Birth	14/07/1999
Gender	F
Religion	Hindu
Caste	Nair
Fee Concession	Yes
Community	KPCR
Permanent	Communication
Address	Address
Uthradom	Uthradom
Paravur	Paravur
Paravur	Paravur
691301	691301
	Mob: 7293320231

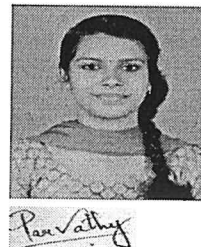




SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	PARVATHY. L
Candidate Code	24519132018
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132318165
Date of Birth	20/06/2001
Gender	F
Religion	Hindu
Caste	Chetty
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
CHIRAYIL PUTHENVEEDU	CHIRAYIL PUTHENVEEDU
REVATHY,DECENT JN P	REVATHY,DECENT JN P
KOLLAM	KOLLAM
DECENT JUNTION	DECENT JUNTION
691577	691577
	Mob: 9207230247





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	UMA PRASAD
Candidate Code	24518132047
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132328670
Date of Birth	23/08/1999
Gender	F
Religion	Hindu
Caste	Chakkala Nair
Fee Concession	No
Community	General
Permanent Address	Communication Address
VARUNODHAYAM	VARUNODHAYAM
PARIPPALLY PO	PARIPPALLY PO
PARIPPALLY	PARIPPALLY
691574	691574
23025_6523025	Mob: 9446523025
	23025_6523025





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	HARITHA .B
Candidate Code	24519132037
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132350017
Date of Birth	21/02/2001
Gender	F
Religion	Hindu
Caste	Vilakkithala Nair
Fee Concession	Yes
Community	OBC Non-Creamy Layer



apth...

Permanent Address	Communication
	Address

SREEHARI
KOIVILA
KOIVILA P O
691590

SREEHARI
KOIVILA
KOIVILA P O
691590
Mob: 8594060250



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name

SAJITHRA. V



Sajithra

Candidate Code

24518132017

Course

B Sc Botany (245)

College

S N College Kollam(132)

Student Id

245132341225

Date of Birth

01/11/2000

Gender

F

Religion

Hindu

Caste

Ezhava

Fee Concession

Yes

Community

OBC Non-Creamy Layer

Permanent Address

Communication Address

SAJITHRA BHAVANAM

SAJITHRA BHAVANAM

PATTATHANAM

PATTATHANAM

PATTATHANAM

PATTATHANAM

691021

691021

Mob: 9142091759



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name

VISHNU. V



Vishnu V

Candidate Code

24518132019

Course

B Sc Botany (245)

College

S N College Kollam(132)

Student Id

245132314991

Date of Birth

08/01/2000

Gender

M

Religion

Hindu

Caste

Nair

Fee Concession

Yes

Community

KPCR

Permanent Address

Communication Address

KIZHAKKEKOCHUVILA

KIZHAKKEKOCHUVILA

VEEDU

VEEDU

PUNUKKANNOOR

PUNUKKANNOOR

ALUMMOODU P O

ALUMMOODU P O

691577

691577

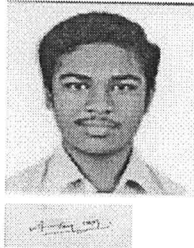
Mob: 9207557327



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name ABHIRAM
MOHAN



Candidate Code 24518132021

Course B Sc Botany (
245)

College S N College
Kollam(132)

Student Id 245132322518

Date of Birth 13/06/2000

Gender M

Religion Hindu

Caste Ezhava

Fee Concession Yes

Community OBC Non-
Creamy Layer

Permanent **Communication**
Address **Address**



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name ABHIRAM.R



Abhiram

Candidate Code 24518132022

Course B Sc Botany (
245)

College S N College
Kollam(132)

Student Id 245132362904

Date of Birth 06/06/2001

Gender M

Religion Hindu

Caste Kurava

Fee Concession Yes

Community SC

Permanent Communication

Address	Address
ALUMOOTTIL	ALUMOOTTIL
VEEDU	VEEDU
CANTONMENT	CANTONMENT
NORTH	NORTH
CHINNAKKADA	CHINNAKKADA
PO	PO 691001
691001	Mob: 8137940913



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name

ADARSH S



Candidate Code

24518132023

Course

B Sc Botany (245)

College

S N College Kollam(132)

Student Id

245132354597

Date of Birth

23/06/2000

Gender

M

Religion

Hindu

Caste

Ezhava

Fee Concession

No

Community

General

Permanent Address

CHITHIRA

THATTARKONAM

THATTARKONAM P O

691005

Communication Address

CHITHIRA

THATTARKONAM

THATTARKONAM P O

691005

Mob: 8547485077



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	AKSHAY CHANDRAN. J
Candidate Code	24518132024
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132331313
Date of Birth	04/10/2000
Gender	M
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
MULACHANTHARA VEEDU MUNDROTHURUTHU MUNDROTHURUTHU 691502	MULACHANTHARA VEEDU MUNDROTHURUTHU MUNDROTHURUTHU 691502 Mob: 8907497049



Akshay



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name AKSHAY
SURESH
Candidate
Code 24518132025
Course B Sc Botany (
245)
College S N College
Kollam(132)
Student Id 245132361048
Date of
Birth 20/02/2001
Gender M
Religion Hindu
Caste Pulaya
Fee
Concession Yes
Community SC



Akshay Suresh

Permanent Communication

Address	Address
RESHMA	RESHMA
BHAVAN	BHAVAN
MANGAD	MANGAD, KOLLAM
691015	691015
	Mob: 8086075695



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	ANJANA. T.P
Candidate Code	24518132027
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132369582
Date of Birth	14/06/1999
Gender	F
Religion	Hindu
Caste	Pulaya
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
VALLYAYYATHU	VALLYAYYATHU
VEEDU	VEEDU
Poruvazhy	Poruvazhy
AMBALATHUMBHAGAM	AMBALATHUMBHAGAM
PO	PO
690520	690520
	Mob: 9744501093



Anjana



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	ASWAL. M
Candidate Code	24518132031
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132317448
Date of Birth	27/03/2001
Gender	M
Religion	Hindu
Caste	Ezhava
Fee Concession	No
Community	General
Permanent Address	Communication Address



ASWAL. M

THEKKEYATTATHU	THEKKEYATTATHU
PADEETTATHIL	PADEETTATHIL
ALUMKADAVU PO	ALUMKADAVU PO
KARUNAGAPPALLY	KARUNAGAPPALLY
ALUMKADAVU	ALUMKADAVU
690573	690573
	Mob: 9567349147



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	GAYATHRI A
Candidate Code	24518132034
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132317465
Date of Birth	16/02/2001
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
GEETHU	GEETHU
BHAVANAM	BHAVANAM
KALLUMTHAZHAM	KALLUMTHAZHAM
KALLUMTHAZHAM	KALLUMTHAZHAM
PO	PO
691004	691004
	Mob: 9895511589



Gayathri A



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	GOPIKA.A
Candidate	
Code	24518132035
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132310014
Date of Birth	04/02/2000
Gender	F
Religion	Hindu
Caste	Ezhava
Fee	
Concession	Yes
Community	OBC Non- Creamy Layer
Permanent	Communication
Address	Address
MADATHIL	MADATHIL
KIZHAKKATHIL	KIZHAKKATHIL
KILIKOLLOOR	KILIKOLLOOR
PO691004	PO 691004
	Mob:9947127936

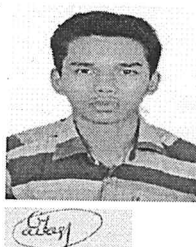




SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	GOURESH KURUP M
Candidate Code	24518132036
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132323789
Date of Birth	11/07/2000
Gender	M
Religion	Hindu
Caste	Nair
Fee	Yes
Concession	
Community	KPCR
Permanent Address	Communication Address BHOOTHAVILA BHOOTHAVILA VEEDU VEEDU MLAJUNCTION MLA JUNCTION NEDUNGOLAM NEDUNGOLAM PO 691334 Mob:8136984560





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	GOURI M R
Candidate Code	24518132037
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132331537
Date of Birth	10/06/2000
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
Reghu	Reghu
Mandiram	Mandiram
Pattamthuruthu	Pattamthuruthu
Pattamthuruthu	Pattamthuruthu
691601	691601
	Mob:
	9188060286





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	REHANA B R
Candidate Code	24517132044
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132647387
Date of Birth	16/12/1998
Gender	F
Religion	Hindu
Caste	Thandan
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
B R BHAVAN	B R BHAVAN
EDACKODU	EDACKODU
THRIPPILAZHIKOM.P.O	THRIPPILAZHIKOM.P.O
691509	691509
	Mob: 8943947675

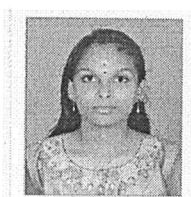




SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name SAJISHNAS
Candidate Code 24517132045
Course B Sc Botany (245
)
College S N College
Kollam(132)
Student Id 245132618494
Date of Birth 12/05/1999
Gender F
Religion Hindu
Caste Ezhava
Fee Concession Yes
Community OBC Non-Creamy
Layer
Permanent **Communication**
Address **Address**
SAJISHNALAYAM SAJISHNALAYAM
MYNAGAPPALLY MYNAGAPPALLY
MYNAGAPPALLY MYNAGAPPALLY
690519 690519
Mob: 9544511505

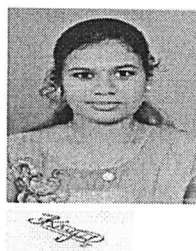




SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	KAVYA S
Candidate Code	24518132041
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132316680
Date of Birth	09/08/2001
Gender	F
Religion	Hindu
Caste	Ezhava
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
KANNELIL	KANNELIL
KARUNAGAPPALLY	KARUNAGAPPALLY
SVM PO	SVM PO
690573	690573
	Mob: 9645352189





SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	NEETHU M D
Candidate Code	24518132042
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132312431
Date of Birth	14/05/2000
Gender	F
Religion	Hindu
Caste	Nair
Fee Concession	Yes
Community	KPCR
Permanent Address	Communication Address
POOVANNAVIL	POOVANNAVIL
PUTHEN VEEDU	PUTHEN VEEDU
KOTTAMKARA	KOTTAMKARA
CHANDANATHOPE	CHANDANATHOPE
PO	PO
691014	691014
	Mob: 9567160396



Neethu M D



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	RUKSANA. N
Candidate Code	24518132043
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132321348
Date of Birth	01/01/2001
Gender	F
Religion	Islam
Caste	Muslim
Fee Concession	Yes
Community	OBC Non-Creamy Layer
Permanent Address	Communication Address
VELIKKADU	VELIKKADU KODIMELKODI
KODIMELKODI	ERAVIPURAM
ERAVIPURAM	ERAVIPURAM
ERAVIPURAM	691011
691011	Mob: 8301051174



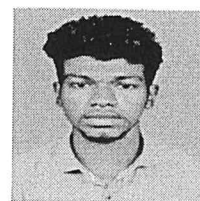
Signature



SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)
MUSHROOM CULTIVATION AND MARKETING

Student Profile

Name	SANGEETH S
Candidate Code	24518132044
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132361868
Date of Birth	04/12/1999
Gender	M
Religion	Hindu
Caste	Kurava
Fee Concession	Yes
Community	SC
Permanent Address	Communication Address
SANGEETH BHAVAN	SANGEETH BHAVAN
KIZHAVOOR	KIZHAVOOR
MUKHATHALA P O	MUKHATHALA P O
691577	691577
	Mob: 9544921371

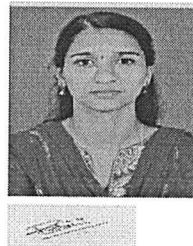




SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
COLLEGE -LEVEL CERTIFICATE COURSE (2018 -19)
HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES

Student Profile

Name	SHALINI SASIKUMAR
Candidate Code	24517132047
Course	B Sc Botany (245)
College	S N College Kollam(132)
Student Id	245132613277
Date of Birth	18/08/1999
Gender	F
Religion	Hindu
Caste	Nair
Fee Concession	Yes
Community	KPCR
Permanent Address	Communication Address
AJITHA	AJITHA BHAVANAM
BHAVANAM	JAYANTHI COLONY
JAYANTHI	NO 26
COLONY NO 26	KUNDARA
KUNDARA	KUNDARA PO
KUNDARA PO	691501
691501	Mob: 9745341399



SREE NARAYANA COLLEGE, KOLLAM

Certificate Course UGC NSQF

Model Examination 2019 - 2020

Mushroom Cultivation and Marketing

Time-1 Hours

Total marks: 25

SECTION-A

(Answer any 7 questions, each carries 1 mark) 7 marks

I

- 1) Name a mushroom
- 2) Write any one medicinal value of mushroom
- 3) First country which started mushroom cultivation
- 4) Name of culture media used for mushroom cultivation
- 5) Mycelia
- 6) Name of mushroom part used for culturing
- 7) Any one substrate used for making spawn
- 8) Name the country which is the largest producer of mushroom
- 9) Gills
- 10) Mushroom seed

II 3 marks each (Answer Any six)

- 11) Explain parts of a mushroom
- 12) Substrate
- 13) Time and temperature necessary for inoculation of spawn
- 14) Explain parts of a mushroom
- 15) Oyster mushroom
- 16) Economic importance of mushrooms
- 17) What is mother Spawn
- 18) Ingredients used in Culture media of mushroom.
- 19) mushroom culture
- 20) Materials necessary for spawn preparation

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
 COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)

List of students passed

SI No	CANDIDATE CODE	NAME
1	24518132001	AISWARYA.A
2	24518132002	AMAL KARUNAKARAN
3	24518132003	ANJANA AJAYAN
4	24518132004	ANJANA LAL
5	24519132005	ARCHA RAJ
6	24518132009	FATHIMUTHU SUHARA
7	24519132007	ASHIK.S JEEVAN
8	24518132015	RUKMA RAJ
9	24519132009	DILNA .D
10	24518132032	DEVU SUDARSANAN
11	24519132043	LEKSHMI VIJAYAN
12	24519132012	GOPIKA KRISHNAN P G
13	24519132038	JEEVAN JOSEPH
14	24519132014	JUMANA. M
15	24519132052	SUMAN G
16	24519132053	SURYA S.B
17	24518132049	VAISHNAVI SUNILKUMAR
18	24519132018	PARVATHY. L
19	24518132047	UMA PRASAD
20	24519132037	HARITHA .B
21	24518132017	SAJITHRA. V
22	24518132019	VISHNU. V
23	24518132021	ABHIRAM MOHAN
24	24518132022	ABHIRAM.R
25	24518132023	ADARSH S
26	24518132024	AKSHAY CHANDRAN. J
27	24518132025	AKSHAY SURESH
28	24518132027	ANJANA. T.P
29	24518132031	ASWAL. M
30	24518132034	GAYATHRI A
31	24518132035	GOPIKA.A
32	24518132036	GOURESH KURUP M
33	24518132037	GOURI M R
34	24517132044	REHANA B R
35	24517132045	SAJISHNA S
36	24518132041	KAVYA S
37	24518132042	NEETHU M D
38	24518132043	RUKSANA. N
39	24517132047	SHALINI SASIKUMAR
40	245 18 132 044	SANGEETH S

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY
 COLLEGE -LEVEL CERTIFICATE COURSE (2019 -20)

Mark List

SI No	CANDIDATE CODE	NAME	ATTENDANCE (%)	EXAMINATION	SIGNATURE
1	24518132001	AISWARYA.A	100	25	Aiswarya
2	24518132002	AMAL KARUNAKARAN	100	25	Amal
3	24518132003	ANJANA AJAYAN	100	25	Anjana
4	24518132004	ANJANA LAL	95	25	Anjana Lal
5	24519132005	ARCHA RAJ	100	24	Archa Raj
6	24518132009	FATHIMUTHU SUHARA	100	25	Fathimath
7	24519132007	ASHIK.S JEEVAN	95	20	Ashik.S
8	24518132015	RUKMA RAJ	100	25	Rukma
9	24519132009	DILNA .D	90	25	Dilna D
10	24518132032	DEVU SUDARSANAN	100	20	Devu
11	24519132043	LEKSHMI VIJAYAN	100	25	Lekshmi
12	24519132012	GOPIKA KRISHNAN P G	90	25	Gopika
13	24519132038	JEEVAN JOSEPH	100	25	Jeevan
14	24519132014	JUMANA. M	100	25	Jumanan
15	24519132052	SUMAN G	100	22	Suman
16	24519132053	SURYA S.B	100	25	Surya S.B
17	24518132049	VAISHNAVI SUNILKUMAR	90	20	Vaishnavi
18	24519132018	PARVATHY. L	100	25	Parvathy
19	24518132047	UMA PRASAD	98	25	Uma Prasad
20	24519132037	HARITHA .B	100	20	Haritha
21	24518132017	SAJITHRA. V	100	25	Sajithra
22	24518132019	VISHNU. V	100	22	Vishnu V
23	24518132021	ABHIRAM MOHAN	98	25	Abhiram Mohan
24	24518132022	ABHIRAM.R	100	23	Abhiram
25	24518132023	ADARSH S	100	25	Adarsh
26	24518132024	AKSHAY CHANDRAN. J	100	24	Akshay
27	24518132025	AKSHAY SURESH	100	25	Akshay Suresh
28	24518132027	ANJANA. T.P	100	22	Anjana
29	24518132031	ASWAL. M	100	25	Aswal M
30	24518132034	GAYATHRI A	100	25	Gayathri
31	24518132035	GOPIKA.A	100	25	Gopika
32	24518132036	GOURESH KURUP M	95	25	Gouresh
33	24518132037	GOURI M R	100	25	Gouri M R
34	24517132044	REHANA B R	98	25	Rehana
35	24517132045	SAJISHNA S	100	25	Sajishna
36	24518132041	KAVYA S	100	21	Kavya S
37	24518132042	NEETHU M D	95	25	Neethu M D
38	24518132043	RUKSANA. N	100	25	Ruksana N
39	24517132047	SHALINI SASIKUMAR	100	21	Shalini
40	245 18 132 044	SANGEETH S	100	25	Sangeetha

SREE NARAYANA COLLEGE
DEPARTMENT OF BOTANY

COLLEGE -LEVEL CERTIFICATE COURSE (2019 - 20)

Mushroom Cultivation and Marketing

Notice

It is to inform all concerned that a meeting of the members of Board of Studies in the College level certificate programme on Mushroom Cultivation and Marketing, organised by the department of Botany will be conducted on 06/01/2020 at 2pm.

Agenda:

- Discuss the release of result
- Distribution of course certificate

Course Coordinator

Dr. Preetha P. S

Course Director

Dr.R Sunilkumar

(Principal)

Members

1. Dr. Nisha.A.P (HOD)
2. Dr. Chitra Vijayan
3. Dr.Vilash .V

(Handwritten signatures in blue ink: Nisha.A.P, Chitra, and Vilash .V)



DEPARTMENT OF BOTANY

COLLEGE -LEVEL CERTIFICATE COURSE (2019 - 20)

Mushroom Cultivation and Marketing

Minutes of the meeting

A meeting of the members of the Board of Studies College level Certificate Course Mushroom Cultivation and Marketing was conducted on 03/07/2019, 2 pm at the Department of Botany. Application were invited for the 30 hrs College level Certificate Course organised by the Department of Botany. Dr. Dr.R Sunilkumar (Principal) was the course director and Dr. Preetha P. S, Assistant Professor, Department of Botany was the course coordinator. Faculty members of the Department of Botany, Dr. Nisha AP (Head, Department of Botany), Dr. Chitra Vijayan (Assistant Professor, Botany), Dr. Vilash .V, (Assistant Professor, Botany) and Smt. Neethu Vijayakumar (Assistant Professor, Botany) were the members of the committee. The syllabus and course timetable for the certificate course were finalized in the meeting.

The meeting Concluded at 3.30pm

Course Coordinator

Dr. Preetha P. S

Members

1. Dr. Nisha.A.P (HOD)

2. Dr. Chitra Vijayan

3. Dr.Vilash .V

Course Director

**Dr.R Sunilkumar
(Principal)**

Dr. R. Sunilkumar
Principal
Sree Narayana College
Kollam

