

UGC APPROVED CERTIFICATE COURSE IN

MUSHROOM CULTIVATION & MARKETING

DEPT OF BOTANY

SREE NARAYANA COLLEGE KOLLAM

കൂൺകൃഷി ചെയ്യാം, കൃഷി രീതിയും
വരുമാന സാധ്യതകളും പഠിക്കാം...

ഏറെ മുടക്കമുതലില്ലാതെ തന്നെ നല്ല
സമ്പാദ്യം ഉണ്ടാക്കാൻ കഴിയുന്ന വിളയാണ്
കൂൺ. രാഷ്ട്രീയുടെ കാര്യത്തിൽ മുൻപന്തിയിലുള്ള
കൂണിന്റെ പോഷകഗുണങ്ങളും ഔഷധ
ഗുണങ്ങളും അവയെ ശ്രദ്ധിക്കപ്പെടുത്തുന്ന
ഘടകങ്ങളാണ്. പ്രത്യേകിച്ചും
ഈ കോവിഡ് കാലത്ത്....

30 Seats
Available

Course
Duration
6 months

Qualification
+2 pass

Apply by 18th October

Contact

9446527486

9446662864

AN ASSOCIATION WITH: SURYA AGROTECH, PIRAPPANCODU

UGC – NSQF CERTIFICATE COURSE

Department of Botany 2020 - 2021

Programme - Mushroom Cultivation and Marketing

Course Duration : 6 months

SYLLABUS

[6 months, 30 credits]

Total hours : 450 Theory 180 hours, Practical 270 hours

Theory 12 credits, Practical 18 credits

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 and marketing. 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

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

4 credits

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

6 credits

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, Preparation of pure culture, media used in raising pure culture, Culture maintenance, storage of spawn.

Module III

2 credits

Unit-V: Mushroom Pest and Pathology

Pest of mushroom and its management brief account only

Unit-VI Marketing strategies of mushroom.

Practicals for Mushroom Cultivation [18 credits]

1. Study of external morphology of mushroom.
2. Study of internal structure of mushroom.
3. Diagrammatic study of life cycle of typical mushroom.
4. Methods of preservation of mushrooms.
5. Preparation of spawn substrate.
6. Study of picking and packing methods.

7. Storage of fresh mushrooms.
8. Marketing strategies of mushroom.
9. Medicinal importance of mushroom.
10. Visit to a mushroom laboratory.

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

Turhaalharajil
Principal
Sree Narayana College
Kollam



S

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Sree Narayana College, Kollam

&

Surya Agrotek, Pirappancode,
Thiruvananthapuram

FOR

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

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 14th day of July Two Thousand and twenty (14/7/20), by and between Sree Narayana College, Kollam represented herein by the Principal (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors-in-office, administrators and assigns).

AND

Surya Agrotek, Pirappancode, Thiruvananthapuram and represented herein by its Zonal/Divisional Head, Name of Competent Authority Representative, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors-in-office, administrators and assigns).

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

WHEREAS:

- A) First Party is a Higher Educational Institution named:
Sree Narayana College, Kollam
(i)
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intend to cooperate and focus their efforts on cooperation within an area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.
- E) Surya Agrotek, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of **Mushroom Cultivation & Value Addition** name of trade and services under the industry concerned - and related fields
- F) Surya Agrotek, Pirappancode, Thiruvananthapuram engaged in mushroom Cultivation & Value Addition from 2012 onwards. Second Party is promoted by promoter name Group; Address and background of the Company.
- G) We are in the field of mushroom related activities - Spawn production (Milky & Oyster), Cultivation, Development of value added products and Human resource development through training programmes on all the above aspects Give related information, its branches, and dimensional information about the industry concerned with whom the MoU is sworn

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

Dr. R. S. Sankaranarayanan

AJAY K

CLAUSE 1
CO-OPERATION

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

CLAUSE 2
SCOPE OF THE MOU

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable input to the First Party in teaching/training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight into the latest developments/requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs/Workshop/ Industrial Sites for the hands-on training of the learners enrolled with the First Party.

W.R. Mahanand
[Signature]

[Signature]
ASAM-12

2.4 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of—Surya Agrotek, Pirappancode, Thiruvananthapuram engaged in Mushroom Cultivation & Value Addition

2.5 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.

2.6 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in-house requirements.

2.7 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

2.8 **Placement of Trained Students:** Second Party will actively engage to help the delivery of their training and placement of students of the First Party into internships/jobs; and will facilitate placements to a possible extent. The Second Party will itself absorb trained students to a possible extent.

2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein

2.10 There is no financial commitment on the part of the Sree Narayana College, Kollam the First Party to take up any programme mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

CLAUSE 3

INTELLECTUAL PROPERTY

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

CLAUSE 4

VALIDITY

4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Name of Industry**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any action on the part of **Training Partner or Name of Industry**, the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU

4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

Handwritten signature

Handwritten signature
A. JAY. K

CLAUSE 5
RELATIONSHIP BETWEEN THE PARTIES

5. It is expressly agreed that The Principal,
Sree Narayana College, Kollam and Surya Agrotek are acting under this MOU as indepe
ndent contractors, and the relationship established under this MOU shall not be construed a
s a partnership. Neither Party is authorized to use the other Party's name in anyway, to make
any representations or create any obligation or liability, expressed or implied, on behalf of th
e other Party, without the
prior written consent of the other Party. Neither Party shall have, nor represent itself as
having, any authority under the terms of this MOU to make agreements of any kind in the nam
e of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on be
half of the other Party.

Sreenaray
ana
College

[Signature]
AJAY K
Surya Agrotek

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

AGREED:

For Name of Institution

For Name of Industry

[Signature]

[Signature]
AJAY K

Principal
Sree Narayana College
Authorized Signatory
Dr. R. Suresh Kumar

Authorized Signatory SURYA AGROTEK
Pirappancode . P.O
Thiruvananthapuram (Dist.) - 695 607
Tel: 0472 - 2582159, Mob: 9447656065

Sree Narayana College	Surya Agrotek
Kollam 691001	, Pirappancode, Thiruvananthapuram, 695607
Contact Details	9447656065
principal@snckollam.ac.in	Email: suryaagrotek@gmail.com
www.snckollam.ac.in	Web: www.suryaagrotek.com

Witness 1: NISHA A.P. Asst. Prof & Head *[Signature]*
Dept. of Botany, SN College, Kollam

Witness 3: Sreeja N. Asst. Professor *[Signature]*
Dept. of Malayalam
S.N. College, Kollam

[Signature] midhan . S P
Witness 2: OFFICE ATTENDEN

[Signature]
Witness 4: T.N ANILKUMAR
U D Typist

SREE NARAYANA COLLEGE, KOLLAM

UGC – NSQF CERTIFICATE COURSE

Department of Botany 2020 - 2021

Programme - Mushroom Cultivation and Marketing

Course Duration : 6 months

BOARD OF STUDIES

Chairman : Dr. R. Sunil Kumar (Principal)

Coordinator : Dr. Preetha.P.S

Members

Dr. Nisha.A.P (HOD)

Dr. Chitra Vijayan

Dr.Vilash .V

Smt. Neethu Vijayakumar

Mr.Ajay (Industrial Partner)

Notice

A meeting of the mushroom certificate, Board of Studies members (UGC, NSQF) will be held on at 12.11.21 at 1PM in the Department of Botany, Sree Narayana College, Kollam. All members are requested to attend the meeting without fail.


Coordinator

Notice

A meeting of the mushroom certificate, Board of Studies members (UGC, NSQF) will be held on ~~at~~ 9/12/2021, 9 AM in the Department of Botany, Sree Narayana College, Kollam. All members are requested to attend the meeting without fail.


Coordinator

Notice

A meeting of the mushroom certificate, Board of Studies members (UGC, NSQF) will be held on 18/2/22

~~9:00 AM~~ at 9 AM in the Department of Botany, Sree Narayana College, Kollam. All members are requested to attend the meeting without fail.


Coordinator

Notice

A meeting of the mushroom certificate, Board of Studies members (UGC, NSQF) will be held on

3/6/2022 at 9 AM in the Department of Botany, Sree Narayana College, Kollam. All members are requested to attend the meeting without fail.


Coordinator

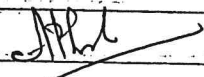
Minutes of the meeting held on 2/11/2020, 10 AM.

Members present:

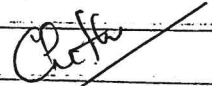
Dr. Preelba.P.S. (Coordinator)



Dr. Nisba.A.P. (HOD)



Dr. Chithra Vijayan (Subject expert)



Dr. Vilash.V (Subject expert)



Mr. Ajay.K

Agenda

1. Constitution of Board of Studies for the Certificate Course (are sponsored)

Decisions Decisions

It is Decided to Decided to select Dr. Chithra Vijayan & Dr. Vilash.V. as Subject experts for the course.

Minutes of the meeting held on 8/1/2021
9.30.A.M.

Members present-

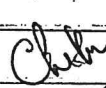
Dr. Preelba P.S. (Co-ordinator)



Dr. Nisha A.P. (HOD)



Dr. Chitra Vijayan



Dr. Vilash V.



Smt. Neelha Vijayakumar



Agenda

For discussing the progress of proportions allotted to members and the response from students.

To discuss about future plans.

Decisions

The meeting decided to finish the theory classes by April - May and

Offline classes by June 2021.

(After assessing the Covid-19 situation)

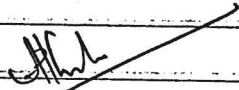
Minutes of the meeting held on 20/2/2021,
9 AM.

Members present.

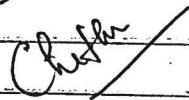
Dr. Preelba.P.S.
Co-ordinator



Dr. Nisha.A.P
CHOD



Dr. Chitra Vijayan



Dr. Vilash.V



Smt. Neelha Vijayakumar



Agenda

→ Progress of classes.

→ Conducting examinations.


Decisions.

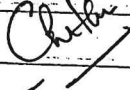
The meeting decided to conduct theory examination by March 1st week after


Minutes of the meeting held on 19/3/2021.
9.30 AM.


Members present

Dr. Preelha P.S. (Co-ordinator) 

Dr. Nisha A.P. (HOD) 

Dr. Chithira Vijayam 

Dr. Vilash V 

Dr. Neelhu Vijayakumar 

Agenda

Completion of theory / Practical classes
through online/offline mode.

~~Con Decis~~

Decisions

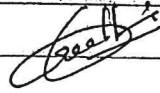
The meeting decided to conduct -
online practical / theory classes till

Covid-19 subsides. Decided to conduct
offline practical by 2nd week of April.

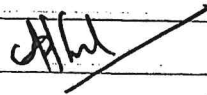
Minutes of the meeting held on 9/5/2021,
10 AM.

Members present

Dr. Preetha P.S.



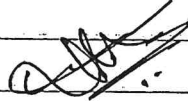
Dr. Nisha A.P.



Dr. Chithra Vijayam



Dr. Vilash



Smt. Neelha Vijayakumar



Agenda

Completion of theory classes.

Completion of online practical
classes

Any other matter

Decisions

Meeting decided to conduct offline
practical classes after assessing covid-19
pandemic situation.

Minutes of the meeting held on 27/5/2021,
10 am.

Members present:

Dr. Preetha P.S. ~~Preetha~~

Dr. Nisha A.P. ~~Nisha~~

Dr. Chithra Vijayam

Dr. Velasb ~~Velasb~~

Smt. Neelhu Vijayakumar. ~~Neelhu~~

Agenda

- Conducting one day training programme on mushroom cultivation & marketing
- Conduction of theory examinations.

Decisions

- Decided to conduct ^{offline} training programme after
- Decided to conduct offline training programme after Covid-19 pandemic
- Decided to conduct theory examinations June/July after proper completion of

Minutes of the meeting held on 27/9/2021.

Members present:

Dr. Preetka P.S.

~~Signature~~

Dr. Nisha A.P.

~~Signature~~

Dr. Chithira Vijayan

Dr. Nilash V

~~Signature~~

Sept.
Res. Neelka V.

~~Signature~~

Agenda

→ Completed Discussion on theory/practical online/offline sessions.

→ Dis-offline practical classes.

→ Evaluation of results.

Decisions

→ Completed theory/practical classes online.

→ Decided to conduct offline workshop during Sep/Oct. month.

Sree Narayana College Kollam

UGC NSQF Certificate courses 2020-2021

Name of Dept		Botany
Name of Course		
List of Students Selected		
Sl No	Enrollment No:	Name of the student
1	1	Beenendra Raj. B
2	2	Arsha I.S
3	3	Remya.P.S
4	4	Deepthi.A.R
5	5	Santhosh Kumar.S
6	6	Dathu Mohan
7	7	Ridhu.S.R
8	8	Varshalal.J
9	9	Anand S.B
10	10	Resma.R
11	11	Sachu.M.Nair
12	12	Vishnu.T.Nair
13	13	Vidya Vijayan
14	14	Anjali.C.J

Beenendra Raj
Arsha I.S
Remya
Deepthi
Santhosh
Dathu Mohan
Ridhu
Varshalal
Anand S.B
Resma R
Sachu
Vishnu
Vidya Vijayan
Anjali

Dr. Preethi (P.S)
Course Co-ordinator



Sree Narayana College, Kollam

Re-Accredited by NAAC with "A" Grade

Affiliated to the University of Kerala

Kollam - 691 001, Kerala, S. India

Tel : 0474 - 2741793, Fax : 0474-2766857

website www.snckollam.ac.in e-mail : snckollam@gmail.com

Dr. Sunilkumar R.

M.A, M.Phil., Ph.D

Principal

Mob No.: 9387500997

Email : sunilanena@gmail.com

Ref:

Date 3/11/2020

കൂൺകൃഷി പരിശീലന സർട്ടിഫിക്കറ്റ് കോഴ്സിന് അപേക്ഷ ക്ഷണിക്കുന്നു.

“കൂൺകൃഷി ; വിപണനവും സാധ്യതകളും” എന്ന വിഷയത്തിൽ യു.ജി.സി. അംഗീകാരമുള്ള ആറ് മാസത്തെ സർട്ടിഫിക്കറ്റ് കോഴ്സ് കൊല്ലം ശ്രീനാരായണ കോളേജിൽ വെച്ച് നടത്തുന്നു. യോഗ്യത - പ്ലസ് ടു, സീറ്റ് - മൂപ്പത്. അപേക്ഷിക്കാനുള്ള അവസാന തീയതി 6/11/2020. വിശദവിവരങ്ങൾക്ക് 9446662864/9446527486 എന്ന നമ്പറിൽ ബന്ധപ്പെടുക.

പ്രിൻസിപ്പാൾ

SREE NARAYANA COLLEGE, KOLLAM

Affiliated to University of Kerala

NAAC Re-accredited with ATAL A Band Institution

UGC - NSQF PG-Diploma/ Certificate Course, 2020 - 2021.

No. 122



APPLICATION FORM

NAME OF COURSE ... Mushroom Cultivation & Marketing

1. a) Name in English (in block letters) : ARSHA . I . S
2. Sex : Male / Female
3. Age & Date of Birth :

2	1	1	9	0	4	1	9	9	9
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4. Name of Father/Guardian :

S	U	D	E	V	A	N	.	R											
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(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / ~~APL~~
7. Religion and Community :

H	I	N	D	U					
S	A	M	B	A	V	A	N		
8. Address for communication :

R	O	H	I	N	I	N	I	V	A	S										
V	A	K	K	A	N	A	D	U	-	P	O									
K	A	R	E	E	P	R	A													
K	U	Z	H	I	M	A	T	H	I	C	A	D	U							

Pin :

6	9	1	5	0	9
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Email. id : axshasudevan19@gmail.com
9. Phone No. (with STD Code) :

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Mob No. :

9	7	4	7	9	9	1	1	2	9
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SREE NARAYANA COLLEGE, KOLLAM

Affiliated to University of Kerala

NAAC Re-accredited with ATAL A Band Institution

UGC - NSQF PG-Diploma/ Certificate Course, 2020 - 2021

No. 127



APPLICATION FORM

NAME OF COURSE .. Mushroom.. Cultivation.. &.. Marketing

1. a) Name in English (in block letters) : DATHU MOHAN
2. Sex : Male / Female
3. Age & Date of Birth :

3	7	1	1	0	6	1	9	8	3
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

V	M	O	H	A	N	K	U	M	A	R				
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	U					
N	A	I	R						
8. Address for communication :

I	L	L	A	M	T	R	A	-	2					
K	H	E	V	A	L	L	Y	P	O					
P	I	N	6	9	1	0	0	9						

Pin

6	9	1	0	0	9
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Email. id

D	a	t	h	u	m	o	h	a	n	@	.	G	m	a	i	l	.	C	o	m
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9. Phone No. (with STD Code) :

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Mob No. :

7	0	1	2	5	7	1	1	8	2
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8547 298 158

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No. 124



APPLICATION FORM

NAME OF COURSE Mushroom Cultivation & Marketing

1. a) Name in English (in block letters): Remya P.S
2. Sex : Male / Female
3. Age & Date of Birth :

3	6	0	8	0	1	1	9	8	3
---	---	---	---	---	---	---	---	---	---
4. Name of ~~Father~~/Guardian :

S	R	G	A	N	E	S	A	N											
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

(Specify Relation) : Mother / Father / Relative (husband)
5. Marital Status : Married / Un-married
BPL
6. Economic Status : BPL / ~~APL~~
7. Religion and Community :

E	Z	H	A	V	A	,	H	I	N	D	Y									
H	I	N	D	Y																
8. Address for communication :

S	I	V	A	M																
M	E	E	N	A	D	Y	E	A	S	T										
C	H	A	T	H	A	N	N	O	O	R	P	O								
K	O	L	L	A	M															

Pin :

6	9	1	5	7	2
---	---	---	---	---	---

Email: id : Remya P.S 82 @ g-mail. Com.
9. Phone No. (with STD Code) :

9	4	9	6	5	4	6	3	0	1
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Mob No. :

8	0	7	8	5	1	6	3	0	1
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GOVT. H.S.S. PARAVUR
KOLLAM
P. O. PARAVUR

Hth
mth

GOVT. H.S.S. PARAVUR
KOLLAM
P. O. PARAVUR

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No. 137



APPLICATION FORM

NAME OF COURSE ..MUSHROOM... CULTIVATION... AND... MARKETING

1. a) Name in English (in block letters) : RESMA. R
2. Sex : Male / Female
3. Age & Date of Birth :

3	3
---	---

0	7
---	---

0	5
---	---

1	9	8	7
---	---	---	---
4. Name of Father/Guardian :

R	A	D	H	A	E	S	A	N											
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un-married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	U															
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E	Z	H	A	Y	A														
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8. Address for communication :

R	E	S	H	M	A															
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M	A	Y	Y	A	N	A	D													
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P	.	O																		
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K	O	L	L	A	M															
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Pin

6	9	1	3	0	3
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Email. id

r	e	s	h	m	a	.	8	7	@	g	m	a	i	.	c	o	m
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9. Phone No. (with STD Code) :

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Mob No. :

6	2	3	8	6	4	8	5	7	0
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Place : Thiruvananthapuram

Department of Higher Secondary Education, (Examinations),

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No. 128



APPLICATION FORM

NAME OF COURSE Mushroom... Cultivation... &... Marketing.....

1. a) Name in English (in block letters) : RIDHU SR.
2. Sex : Male / Female
3. Age & Date of Birth :

2	7	0	9	0	5	1	9	9	3
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

S	H	E	E	L	A	R	C												
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--

: Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

C	H	R	I	S	T	I	A	N						
L	A	T	I	N	C	A	T	H	O	L	I	C		
8. Address for communication :

T	H	R	C	E	T	H	W	A	M										
A	K	K	A	R	A	V	I	L	A	N	A	G	A	R	1	7	1		
Y	A	D	A	K	K	E	V	I	L	A	P	O							
K	O	L	L	A	M														

Pin :

6	9	1	0	1	0
---	---	---	---	---	---

Email id : ridhumalu1@gmail.com
9. Phone No. (with STD Code) :

9	0	6	1	5	0	3	9	0	4
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Mob No. :

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No. 126



APPLICATION FORM

NAME OF COURSE ... Mushroom... Cultivation... & Marketing

1. a) Name in English (in block letters) : SANTHOSH KUMAR S
2. Sex : Male / Female
3. Age & Date of Birth :

A	3	2	1	0	5	1	9	7	7
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

M	.	S	I	V	A	S	A	N	K	A	R	A	N	N	A	I	R
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	U	.				
N	A	I	R	.					
8. Address for communication :

K	R	I	S	H	N	A	V	I	L	A	S	A	M	(	T	R	A	7	6)	
(	H	)	R	U	M	U	L	L	A	V	A	R	A	M	.	P	.	0			
K	O	L	L	A	M	.															

Pin :

6	9	1	0	1	2
---	---	---	---	---	---

Email. id :

s	k	s	n	a	i	r	k	o	l	l	a	m	@	g	m	a	i	l	.	c	o	m
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9. Phone No. (with STD Code) :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Mob No. :

9	9	9	5	0	8	1	5	7	7
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No. 133



APPLICATION FORM

NAME OF COURSE .. Mushroom.. Cultivation... &.. Marketing.....

1. a) Name in English (in block letters) : VIDYA VIJAYAN

2. Sex : Male / Female

3. Age & Date of Birth : 43 14 05 1977

4. Name of Father/Guardian : V VASANTHA
(Specify Relation) : Mother / Father / Relative

5. Marital Status : Married / Un-married

6. Economic Status : BPL / APL ✓

7. Religion and Community : HINDU
EZHAVA

8. Address for communication : BIJU NI VAS
MADAN NADA
ADITHYA NAGAR
KOLLAM

Pin : 891010

Email. id : Vidya.9938@gmail.com

9. Phone No. (with STD Code) : 9847027012

Mob No. :

SREE NARAYANA COLLEGE, KOLLAM

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No. 131

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APPLICATION FORM

NAME OF COURSE Mushroom ~~training~~ Cultivation & Marketing

1. a) Name in English (in block letters) : SACHU . M . NAIR
2. Sex : Male / Female
3. Age & Date of Birth :

2	5	1	1	1	0	1	9	9	5
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

M	A	D	H	U	S	O	O	D	H	A	N	A	N		
---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--

: Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	U					
N	A	I	R						
8. Address for communication :

P	A	Y	A	T	T	A	M	K	O	T	T	U		
M	A	N	D	I	R	A	M	P	E	R	A	Y	A	M
U	M	A	Y	A	N	A	L	L	O	O	R			

Pin :

6	9	1	5	8	9
---	---	---	---	---	---

Email.id : Sachunair1110@gmail.com
9. Phone No. (with STD Code) :

9	6	3	3	4	9	9	5	0	9
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Mob No. :

7	7	3	6	9	0	0	4	7	4
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No. 129



APPLICATION FORM

NAME OF COURSE Mushroom Cultivation & Marketing

1. a) Name in English (in block letters) : VARSHALAL J
2. Sex : Male / Female
3. Age & Date of Birth :

2	5	2	1	1	0	1	9	9	5
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

V	I	J	A	Y	A	L	A	L											
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

: Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	U	E	Z	H	A	Y	A									
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--
8. Address for communication :

P	U	T	H	I	Y	A	V	E	E	T	T	I	L	K	I	Z				
H	A	K	K	A	T	H	I	L	K	U	R	E	E	P	U	Z	H			
A	K	A	V	A	N	A	D	P	O	K	O	L	L	A	M					

Pin

6	9	1	0	0	3
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Email. id

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9. Phone No. (with STD Code) :

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Mob No. :

9	7	4	6	1	4	0	9	2	6										
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UGC - NSQF PG-Diploma/ Certificate Course, 20.20 - 20.22

No. 132



APPLICATION FORM

NAME OF COURSE Mushroom... Cultivation... &... Marketing.....

1. a) Name in English (in block letters) : VISHNU . T. NADAR
2. Sex : Male / Female
3. Age & Date of Birth :

0	2	0	9			2	0	0	0
---	---	---	---	--	--	---	---	---	---
4. Name of Father/Guardian (Specify Relation) :

T	H	U	L	A	S	E	E	D	H	A	R	A	N	P	P	L	L	A	T
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

: Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D				
M	A	I	R				
8. Address for communication :

T	H	U	N	D	I	L	V	E	E	D	U	,	A	R	C	H	A	L
N	E	A	D	I	Y	A	R	A	.	P	O	6	9	1	3	0	6	
A	N	C	H	A	L	,	K	O	L	L	A	M						

Pin

6	9	1	3	0	6
---	---	---	---	---	---

Email. id visbouna1024912@gmail.com
9. Phone No. (with STD Code) :

9	8	9	5	8	1	8	3	5	6
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Mob No. :

9	0	7	4	3	8	8	2	7	1
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UGC - NSQF PG-Diploma/ Certificate Course, 2022 - 2024

No. 138



APPLICATION FORM

NAME OF COURSE Certificate Course in Mushrooms cultivation and Marketing

1. a) Name in English (in block letters): TOMIN DAS
2. Sex : Male / Female
3. Age & Date of Birth :

26	19	11	1994
----	----	----	------
4. Name of Father/Guardian :

MARYDASAN									
-----------	--	--	--	--	--	--	--	--	--

(Specify Relation) : Mother / Father / Relative
5. Marital Status : ~~Married~~ / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

CHRISTIAN									
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LATIN CATHOLIC

OBC									
-----	--	--	--	--	--	--	--	--	--
8. Address for communication :

KIZHAKKE PULIVELIL									
ARINALLLOOR									
PIN	690538								
KOLLAM									

Pin

690538

Email.id

tomin.das@gmail.com

9. Phone No. (with STD Code) :

8138899401

Mob No. :

9656047488

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No. 140

Photo



APPLICATION FORM

NAME OF COURSE .. Mushroom Cultivation & Marketing

1. a) Name in English (in block letters) : ANTHAL C J

2. Sex : Male / Female

3. Age & Date of Birth : 01 06 1976

4. Name of Father/Guardian (Specify Relation) : S AJITH : Mother / Father / Relative

5. Marital Status : Married / Un married

6. Economic Status : BPL / APL

7. Religion and Community : HINDU
BZHAVA

8. Address for communication : OMKARAM
THOTTUMUKATHU
PERINAD
KURBEPUZHA
Pin :
Email. id :

9. Phone No. (with STD Code) : 9442714276
Mob No. : 9742103331

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No. 134

Photo



APPLICATION FORM

NAME OF COURSE ..Mushroom.. Cultivation & Marketing.....

1. a) Name in English (in block letters) : SMITHA. R
2. Sex : Male / Female
3. Age & Date of Birth :

4	2	3	0	0	5	1	9	7	8
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

S	A	N	T	H	O	S	H	C	H	A	N	D	R	A	M
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(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community :

8. Address for communication :

N	A	A	D	A	M	P	B	R	M	Y	N	A	R	O	A	D
K	A	R	I	M	A	R	K	A	D	U						
T	H	R	I	K	K	A	R	A	R	A						
E	R	N	A	K	U	L	A	M								

Pin :

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Email. id :

r	e	j	i	g	t	s	@	g	m	a	i	l	.	c	o	m
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9. Phone No. (with STD Code) :

9	7															
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Mob No. :

9	7	4	6	2	7	4	7	9	3							
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No. 252



APPLICATION FORM

NAME OF COURSE .. Mushroom... Cultivation... & Marketing.....

1. a) Name in English (in block letters) : SARAN . G
2. Sex : Male / Female
3. Age & Date of Birth :

2	0	0	6	0	5	2	0	0	0
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

R	A	J	E	E	V	.	G												
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--

(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married ✓
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	H	Y				
---	---	---	---	---	---	--	--	--	--

E	Z	H	A	V	A				
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8. Address for communication :

V	a	l	i	y	a	B	i	k	h	a	m	V	a	i	d	h	y
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

a	s	a	d	a	j	n	.	4	8	6	K	O	L	L	A	M
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

A	S	G	A	M	A	M													
---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--

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Pin

6	9	1	0	0	2
---	---	---	---	---	---

Email. id

m	a	c	h	y	s	a	1	9	@	g	m	a	i	l	.	c	o	m
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9. Phone No. (with STD Code) :

7	9	9	4	5	3	7	7	8	7
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Mob No. :

7	9	9	4	5	3	7	7	8	7
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No. 252

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Photo



APPLICATION FORM

NAME OF COURSE ..Mushroom...Cultivation...& Marketing.....

1. a) Name in English (in block letters) : SARAN . G
2. Sex : Male / Female
3. Age & Date of Birth : 20 06 05 2000
4. Name of Father/Guardian : RAJEEV . G
(Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / Un married
6. Economic Status : BPL / APL
7. Religion and Community : HINDHU
EZHAVA
8. Address for communication : Valliyabikham Vaidhy
asadajn. 486 KOLLAM
ASRAMAM
Pin 691002
Email. id moctusa19@gmail.com
9. Phone No. (with STD Code) : 799 453 7787
Mob No. : 799 453 7787

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No. 125



APPLICATION FORM

NAME OF COURSE .. Mushroom... Cultivation... &... Marketing.....

1. a) Name in English (in block letters) : DEEPTHI . R
2. Sex : Male / Female
3. Age & Date of Birth :

3	6	2	0	1	1	2	9	8	4
---	---	---	---	---	---	---	---	---	---
4. Name of Father/Guardian :

R	.	R	A	J	E	N	D	R	A	P	R	A	S	A	D		
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--

 (Specify Relation) : Mother / Father / Relative
5. Marital Status : Married / ~~Un~~-married
6. Economic Status : BPL / APL
7. Religion and Community :

H	I	N	D	O	E	Z	H	A	V	A						
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--
8. Address for communication :

L	a	i	l	a	m	a	n	d	i	r	a	m						
P	o	z	h	i	k	k	a	r	a	,	P	a	r	a	v	u	r	
K	O	L	L	A	M	,	K	e	r	a	l	a	6	9	1	3	0	1

 Pin :

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 Email. id :

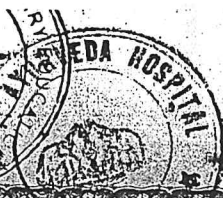
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9. Phone No. (with STD Code) :

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Place: Thiruvananthapuram
Date: 16/05/2023



DR. V. K. V. 4465
Reg. No. 4465
Medical Officer (A) Joint Director (Examinations),
Govt. ayurveda Department of Higher Secondary Education,
Paravur Government of Kerala

SREE NARAYANA COLLEGE, KOLLAM
UGC – NSQF CERTIFICATE COURSE
Department of Botany 2020 - 2021
Programme - Mushroom Cultivation and Marketing

Course Duration : 6 months

List of Teachers

Dr. Preetha.P.S

Dr.Vilash .V

Smt. Neethu Vijayakumar

Mr.Ajay


Principal
Sree Narayana College
Kollam





Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that ~~Mr.~~ /Ms./Mrs. VARSHALAL:J.....
 Reg. No.12..... has successfully completed UGC approved
 certificate course in.....M.U.S.H.R.O.O.M.....C.U.L.T.I.V.A.T.I.O.N.....A.N.D.....M.A.R.K.E.T.I.N.G.....
 during2020-2021.....



Seetha

COURSE CO-ORDINATOR

Ra

PRINCIPAL



Sree Narayana College, Kollam

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(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that *Mr./Mrs. VIDYA VIJAYAN*.....

Reg. No. *11*..... *has successfully completed UGC approved*

certificate course in..... *M.U.S.H.R.O.O.M. C.U.L.T.I.V.A.T.I.O.N. AND M.A.R.K.E.T.I.N.G.*.....

during *2020-2021*.....



Geetha

COURSE CO-ORDINATOR

Ra

PRINCIPAL



Sree Narayana College, Kollam

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(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that *Mr./Mrs./Ms.*..... *Resma..... R.*.....
 Reg. No. *7*..... *has successfully completed UGC approved*
 certificate course in..... *M.U.S.H.R.O.O.M..... C.U.L.T.I.V.A.T.I.O.N..... A.N.D..... M.A.R.K.E.T.I.N.G.*.....
 during *20.20. - 20.21.*.....



Resma

COURSE CO-ORDINATOR

PRINCIPAL



Sree Narayana College, Kollam

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(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that Mr./Ms./Mrs. VISHNU T. NAIR.....
 Reg. No. 13..... has successfully completed UGC approved
 certificate course in MUSIC ROOM CULTIVATION AND MARKET INGS.....
 during 2020-2021.....



[Signature]

COURSE CO-ORDINATOR

[Signature]

PRINCIPAL



Sree Narayana College, Kollam

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UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that Mr./Ms./Mrs. **ANAND: S.B.**.....
 Reg. No.!..... *has successfully completed UGC approved*
 certificate course in..... **MUSHROOM..... CULTIVATION..... AND..... MARKET.I.N.G.**.....
 during**2020..... 2021**.....



Geetha

COURSE CO-ORDINATOR

Received
Anand S.B

Ra

PRINCIPAL



Sree Narayana College, Kollam

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UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that ~~Mr.~~ /Ms./Mrs. Deepthi . R has successfully completed UGC approved
 Reg. No. 5
 certificate course in MUS.H.R.OOM.....CULT.I.V.A.T.I.O.N.....AND.....M.A.R.K.E.T.I.N.G......
 during 2020-2021.....



Received Deepthi.R

Deepthi

COURSE CO-ORDINATOR

PRINCIPAL



Sree Narayana College, Kollam

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UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that Mr./Ms./Mrs. Rishu. S.R.....
 Reg. No. 8..... has successfully completed UGC approved
 certificate course in M.U.S.H.R.O.O.M. C.U.L.T.I.V.A.T.I.O.N. AND. M.A.R.K.E.T.I.N.G......
 during 2020-2021.....



Geetha

COURSE CO-ORDINATOR

Received? = Yes

PRINCIPAL



Sree Narayana College, Kollam

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(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that Mr./Ms./Mrs. *Beenendra Raj B*.....
 Reg. No. *3*..... has successfully completed UGC approved
 certificate course in *M.U.S.H.R.O.O.M. C.U.L.T.I.V.A.T.I.O.N*..... AND *MARK.E.T.I.N.G*.....
 during *2020-2021*.....



Beenendra

Beenendra

COURSE CO-ORDINATOR

PRINCIPAL



Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that ~~Mr~~/Ms./Mrs. *Remya. P.S.* has successfully completed UGC approved
 Reg. No. *6*
 certificate course in..... *M.V.S.H.R.O.O.M. C.U.L.T.I.V.A.T.I.O.N. AND..... M.A.R.K.E.T..I.N.G.*.....
 during *2020 - 2021*.....



Seetha

COURSE CO-ORDINATOR

Ra

PRINCIPAL



Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A' & ATAL 'A' Band Institution)

UGC – NSQF CERTIFICATE COURSES

CERTIFICATE

This is to certify that ~~Mr.~~/Ms./Mrs. *Anjali*: C.J
Reg. No. *15* has successfully completed UGC approved
certificate course in *M.U.S.H.R.O.O.M. C.U.L.T.I.V.A.T.I.O.N. AND MARKETING*
during *2020-2021*



Geetha

COURSE CO-ORDINATOR

Ra

PRINCIPAL

MARKLIST of STUDENTS 2020 - 2021

Sl.No.	Name	Theory (25)	Practical (25)	Total (50)
1	Remya.P.S	21	22	43
2	Deepthi.A.R	23	23	46
3	Ridhu.S.R	24	23	47
4	Varshalal.J	22	21	43
5	Anand S.B	21	22	43
6	Resma.R	20	21	41
7	Vishnu.T.Nair	20	22	42
8	Vidya Vijayan	20	22	42
9	Anjali.C.J	22	22	44
10	Beenendra Raj. B	23	24	47
11	Dathu Mohan	<i>Deceased due to Covid-19</i>		
12	Saran	<i>Not completed.</i>		
13				
14				
15				
16				

DEPARTMENT OF BOTANY

REPORT 2020- 2021

CERTIFICATE COURSE IN MUSHROOM CULTIVATION AND MARKETING (UGC- NSQF)

Mushrooms are the fruiting bodies of fungi. 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. By growing mushrooms, we are not only producing a quality food but are also creating a healthy environment. It leads to employment generation and women empowerment. Mushrooms are considered to be the highest protein producers per unit area per unit time. Considering the significance of mushroom cultivation the department is offering a certificate course in mushroom cultivation and marketing. 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

Online theory classes based on syllabus was given to students along with online/offline practical classes. Seminars were conducted on the topics of

Mushroom cultivation, spawn production, Value-added products of Mushrooms, Prevention of contamination etc., Assessment of students was carried out on the basis of internal evaluations which include attendance, viva, test papers and practical skill during training. 16 students registered for the course in which 10 students completed the certificate course. Online training was given to students on preparation and sterilization of substrate, preparation of spawn, preparation of mushroom beds and harvesting. Hands on trainings were given to students on cultivation of Oyster mushroom using paddy straw. Certificates were issued to those students who successfully completed the course.

Dr. Preetha.P.S

Coordinator

Encl. List of Students

SREE NARAYANA COLLEGE, KOLLAM
DEPARTMENT OF BOTANY, 2020 - 21
UGC NSQF CERTIFICATE COURSE ON
MUSHROOM CULTIVATION AND MARKETING

Time table

Day	Time	Teacher
Monday	7 – 8 pm	Dr. Preetha P S
Tuesday	7 – 8 pm	Mr.Ajay
Wednesday	7 – 8 pm	Dr. Vilash V
Thursday	7 – 8 pm	Mr.Ajay
Friday	7 – 8 pm	Dr. Preetha P S
Saturday	3 - 4 pm	Mr.Ajay