

# **DEPARTMENT OF BOTANY**

**SREE NARAYANA COLLEGE, KOLLAM**



**COLLEGE LEVEL CERTIFICATE COURSE**

## **HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**2017-18**



**SREE NARAYANA COLLEGE,  
KOLLAM**

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

**Certificate course in**

**HORTICULTURE TECHNIQUES:  
PRINCIPLES AND PRACTICES**

**Organised by**

**Post Graduate and Research  
Department of Botany**

**Duration 30 Hours**

**Qualification  
+2 Pass**

**Apply before  
30 June ,2017**

**Contact  
Dr. N. Ratheesh  
9446980933**

**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES:**

**PRINCIPLES AND PRACTICES**

**30 hrs (Theory 15 hours, Practical 15 hours)**

**Aim of the course**

- To familiarize students about the relevance of plants vegetative propagation methods floriculture, trends and techniques of flower arrangement.

**Relevance of the course**

The course provides an indepth knowledge on the principles and practices of plant propagation methods especially vegetative propagations. Seedless plants can be grown through vegetative reproduction through cutting and grafting methods and hence there is a higher probability of plant development. It is a cheaper, easier and more rapid method of plant propagation

**Objectives and expected outcome**

- To familiarize vegetative propagation methods in plants
- To help generate reliable source of income.
- To inculcate love for plants and its propagations
- To develop skill in vegetative propagation techniques.
- Community upliftment.

**Module I**

**2 hour**

- 1: Importance and relevance of plant propagation. Sexual and Asexual propagation (Brief only)
2. Vegetative propagation

**Module II**

**8 hours**

1. Propagation methods, Cutting- root, stem, leaf.
- 2: Layering- Air layering, Ground layering (Tip, Trench and Compound)
- 3: Budding- T-budding, Patch budding

4: Grafting- Approach grafting, Bridge grafting, whip and tongue grafting

**Module III**

**5 hours**

1. Propagation tools and implements
2. Nursery bed making
3. Manures and fertilizers
4. Composting- vermi composting

**Practicals**

**15 hours**

1. Identification of stock and scion .
2. Cutting methods- root, stem, leaf.
3. Layering- Air layering, Ground layering (Tip, Trench and Compound)
4. Budding- T-budding, Patch budding.
5. Grafting- Approach grafting, Bridge grafting, whip and tongue gr

**References**

- Arora, J.S. 2016. Introductory Ornamental horticulture. Kalyani Publishers, New Delhi.
- Kumar, N. 1989. Introduction to Horticulture. Rajalekshmi Publications, Nagercoil, India.
- Manibhushan Rao R. 2005. Textbook of Horticulture. Macmillan India Ltd. New Delhi.
- Bose, T. and Mukerjee D 1987. Gardening in India, Oxford Book House, New Delhi
- Bailey L.H. 1901, The Standard Cyclopedia of Horticulture Vol. 1, 2 and 3, Mc Million Publication
- Guptha S N. 2010. Nstant Horticulture, Jain Brothers Publishing

**Expected Outcome**

- Students are familiarised in different types of plant vegetative propagation methods
- Better understanding of large scale seedling production and cultivation
- Familiarized with easy and cheap methods nursery making



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**  
**HORTICULTURE TECHNIQUES:**  
**PRINCIPLES AND PRACTICES**

**Board of studies**

**Course Director: Dr. K. Anirudhan (Principal)**

**Course Coordinator: Dr. N. Ratheesh**

**Members**

1. Dr. C. Shaji (Head, Department of Botany)



2. Dr. Latha Sadanandan (Assistant Professor, Botany)



3. Dr. M.S. Kiranraj, (Assistant Professor, Botany)



4. Dr. Chithra Vijayan (Assistant Professor, Botany)



*Thiruvalluvar*  
Principal  
Sree Narayana College  
Kollam



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES:**

**PRINCIPLES AND PRACTICES**

**Notice**

It is to inform all concerned that a meeting of the members of Board of Studies in the College level certificate programme on Plant vegetative propagation, Principles and Practice, organised by the department of Botany will be conducted on 18/6/2017 at 2pm.

Agenda:

- Finalise the syllabus
- Course timetable

Course Coordinator


  
Dr. N. Ratheesh

Course Director

Dr. K. Anirudhan

(Principal)

Members

1. Dr. C. Shaji (Head, Department of Botany) 

2. Dr. Latha Sadanandan (Assistant Professor, Botany) 

3. Dr. M.S. Kiranraj, (Assistant Professor, Botany) 

4. Dr. Chithra Vijayan (Assistant Professor, Botany) 

  
Principal  
Sree Narayana College  
Kollam



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES:**  
**PRINCIPLES AND PRACTICES**

**Minutes of the meeting**

A meeting of the members of the Board of Studies College level Certificate Course Horticulture Technique; Principles and Practice was conducted on 18/06/2017, 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. K. Anirudhan (Principal) was the course director and Dr. N. Ratheesh, Assistant Professor, Department of botany was the course coordinator. Faculty members of the Department of Botany, Dr. C. Shaji (Head, Department of Botany), Dr. Latha Sadanandan (Assistant Professor, Botany), Dr. M.S. Kiranraj, (Assistant Professor, Botany), Dr. Chithra Vijayan (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



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**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES:**  
**PRINCIPLES AND PRACTICES**

**Notice**

It is to inform all concerned that a meeting of the members of Board of Studies in the College level certificate programme on Plant vegetative propagation, Principles and Practice, organised by the department of Botany will be conducted on 6/2/2018 at 2pm.

Agenda:

- Discuss the release of result
- Distribution of course certificate

**Course Coordinator**

**Dr. N. Ratheesh**

**Course Director**

**Dr. K. Anirudhan**

**(Principal)**

**Members**

1. Dr. C. Shaji (Head, Department of Botany)
2. Dr. Latha Sadanandan (Assistant Professor, Botany)
3. Dr. M.S. Kiranraj, (Assistant Professor, Botany)
4. Dr. Chithra Vijayan (Assistant Professor, Botany)





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**DEPARTMENT OF BOTANY**

**COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES:**  
**PRINCIPLES AND PRACTICES**

**List of Teachers**

Dr. C. Shaji (Head, Department of Botany)



Dr. Latha Sadanandan (Assistant Professor, Botany)



Dr. M.S. Kiranraj, (Assistant Professor, Botany)



Dr. Chithra Vijayan (Assistant Professor, Botany)



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)

List of students applied

<b>Sl. No.</b>	<b>Candidate Code</b>	<b>Name of mentee</b>
1	245 17 132 001	Aavany Surya S D
2	245 17 132 002	Abhirami R
3	245 17 132 003	Amrita S R
4	245 17 132 005	Ardra Suresh
5	245 17 132 006	Jayalakshmi V
6	245 17 132 007	Jithu Manikandan
7	245 17132 008	Karthika C
8	245 17 132 009	Meenu O
9	245 17 132 010	Meenu S
10	245 17 132 012	Revathy S
11	245 17 132 013	S Athira Chandran
12	245 17 132 014	Saranya S
13	245 17 132 015	Shaina N
14	245 17 132 016	Shilpa S
15	245 17 132 017	Sreelekshmi L
16	245 17 132 018	Subin S
17	245 17 132 019	Abhijith S
18	245 17 132 020	Adithya A S
19	245 17 132 021	Aiswarya S
20	245 17 132 022	Ajimol A
21	245 17 132 025	Amal Krishna
22	245 17 132 027	Anandhu R
23	245 17 132 028	Anubhav P
24	245 17 132 030	Arun Kumar A
25	245 17 132 031	Arun T S
26	245 17 132 033	Arya Sathyan
27	245 17 132 034	Aswathy S
28	245 17 132 035	Athira Aravind
29	245 17 132 036	Athira V G
30	245 17 132 037	Athul A
31	245 17 132 038	Fathima Bai R
32	245 17 132 039	H Kiran
33	245 17 132 040	Haripriya H S
34	245 17 132 041	Mithun S Lal
35	245 17 132 042	Pranav B
36	245 17 132 043	Priya J
37	245 17 132 044	Rehana B R
38	245 17 132 045	Sajishna S
39	245 17 132 046	Sankarjith S L
40	245 17 132 047	Shalini Sasikumar
41	245 17 132 048	Sidharth V S
42	245 17 132 049	Siva S P

43	245 17 132 050	Sreepriya Prathapan
44	245 17 132 051	Veena Santhosh
45	245 17 132 052	Sruthi S Prasad
46	245 16 132 001	Adarsh C V
47	245 16 132 003	Akshaya K
48	245 16 132 004	Ananthakrishnan G
49	245 16 132 005	Anchu V S
50	245 16 132 006	Anith Mohan
51	245 16 132 007	Antu Subramaniyan
52	245 16 132 008	Anupriya B M
53	245 16 132 009	Archa Anil
54	245 16 132 010	Ashik S S
55	245 16 132 011	Bhavya B
56	245 16 132 012	Gayathri L
57	245 16 132 013	Kiran Krishnan
58	245 16 132 014	Manasi S
59	245 16 132 015	Meenu V
60	245 16 132 016	Megha Mohan

**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**

COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)

List of Selected Students

Sl. No.	Candidate Code	Name
1	245 17 132 001	Aavany Surya S D
2	245 17 132 002	Abhirami R
3	245 17 132 003	Amrita S R
4	245 17 132 005	Ardra Suresh
5	245 17 132 006	Jayalakshmi V
6	245 17 132 007	Jithu Manikandan
7	245 17132 008	Karthika C
8	245 17 132 009	Meenu O
9	245 17 132 010	Meenu S
10	245 17 132 012	Revathy S
11	245 17 132 013	S Athira Chandran
12	245 17 132 014	Saranya S
13	245 17 132 015	Shaina N
14	245 17 132 016	Shilpa S
15	245 17 132 017	Sreelekshmi L
16	245 17 132 018	Subin S
17	245 17 132 019	Abhijith S
18	245 17 132 020	Adithya A S
19	245 17 132 021	Aiswarya S
20	245 17 132 022	Ajimol A
21	245 17 132 025	Amal Krishna
22	245 17 132 027	Anandhu R
23	245 17 132 028	Anubhav P
24	245 17 132 030	Arun Kumar A
25	245 17 132 031	Arun T S
26	245 17 132 033	Arya Sathyan
27	245 17 132 034	Aswathy S
28	245 17 132 035	Athira Aravind
29	245 17 132 036	Athira V G
30	245 16 132 001	Adarsh C V
31	245 16 132 003	Akshaya K
32	245 16 132 004	Ananthkrishnan G
33	245 16 132 005	Anchu V S
34	245 16 132 006	Anith Mohan
35	245 16 132 007	Antu Subramaniyan
36	245 16 132 008	Anupriya B M
37	245 16 132 009	Archa Anil

**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
 COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)

**Mark list**

Sl. No.	Candidate Code	Name	Attendance (%)	Examination	Signature
1	245 17 132 001	Aavany Surya S D	100	25	
2	245 17 132 002	Abhirami R	100	25	
3	245 17 132 003	Amrita S R	100	21	
4	245 17 132 005	Ardra Suresh	100	25	
5	245 17 132 006	Jayalakshmi V	98	25	
6	245 17 132 007	Jithu Manikandan	100	22	
7	245 17 132 008	Karthika C	100	25	
8	245 17 132 009	Meenu O	98	25	
9	245 17 132 010	Meenu S	100	25	
10	245 17 132 012	Revathy S	100	23	
11	245 17 132 013	S Athira Chandran	95	25	
12	245 17 132 014	Saranya S	100	25	
13	245 17 132 015	Shaina N	100	20	
14	245 17 132 016	Shilpa S	95	25	
15	245 17 132 017	Sreelekshmi L	100	25	
16	245 17 132 018	Subin S	100	25	
17	245 17 132 019	Abhijith S	100	22	
18	245 17 132 020	Adithya A S	95	25	
19	245 17 132 021	Aiswarya S	100	25	
20	245 17 132 022	Ajimol A	100	25	
21	245 17 132 025	Amal Krishna	100	24	
22	245 17 132 027	Anandhu R	92	25	
23	245 17 132 028	Anubhav P	100	22	
24	245 17 132 030	Arun Kumar A	100	25	
25	245 17 132 031	Arun T S	100	21	
26	245 17 132 033	Arya Sathyan	98	25	
27	245 17 132 034	Aswathy S	100	25	
28	245 17 132 035	Athira Aravind	100	20	
29	245 17 132 036	Athira V G	100	25	
30	245 16 132 001	Adarsh C V	100	22	
31	245 16 132 003	Akshaya K	100	25	
32	245 16 132 004	Ananthakrishnan G	98	25	
33	245 16 132 005	Anchu V S	100	25	
34	245 16 132 006	Anith Mohan	100	23	
35	245 16 132 007	Antu Subramaniyan	100	25	
36	245 16 132 008	Anupriya B M	100	24	
37	245 16 132 009	Archa Anil	100	25	

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COLLEGE -LEVEL CERTIFICATE COURSE (2017 - 18)**

**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Time : 1 hr**

**Total Marks: 25**

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**I Answer all Questions**

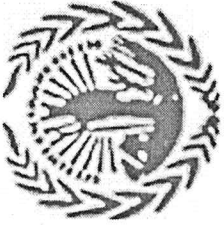
**1x5=5 marks**

1. Scion
2. Stock
3. Hydroponics
4. Topiary
5. Buddng

**II Answer any TEN questions**

6. Trophy
7. Plant Hormones
8. Mannures
9. Gardening
10. Green House
11. Irrigation tools
12. What is fumigation?
13. Biofertilizers
14. Fertigation
15. What is NPK?
16. Pruning
17. What is foliar spray?
18. Green houses
19. Give an account of dry flower arrangement
20. What is Bonsai

**10X2=20 marks**



# SREE NARAYANA COLLEGE KOLLAM

## DEPARTMENT OF BOTANY

### CERTIFICATE COURSE IN HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES

This is to certify that Mr./Ms./Mrs. Avany Surga S.D. has successfully completed Certificate Course in Horticulture Techniques: Principles and Practices offered by the Department of Botany during the Academic

Year.....2017-18.....

Robust

Course Coordinator

Principal



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ARDRA SURESH  
**Candidate Code** 24517132005  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132636302  
**Date of Birth** 15/08/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent Address** **Communication Address**  
ATHAM ATHAM  
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695611 695611  
Mob: 9526770085







**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** JAYALAKSHMI V  
**Candidate Code** 24517132006  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132654077  
**Date of Birth** 05/06/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent  
Address** **Communication  
Address**  
PANCHAMI PANCHAMI BHAVAN  
BHAVAN NAVAIKULAM  
NAVAIKULAM PARAKUNNU P O  
PARAKUNNU P O 695603  
695603 Mob: 9745091323





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**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** JITHU MANIKANDAN

**Candidate Code** 24517132007

**Course** B Sc Botany ( 245 )

**College** S N College Kollam(  
132 )

**Student Id** 245132644693

**Date of Birth** 07/02/1998

**Gender** M

**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy  
Layer

**Permanent** **Communication**

**Address** **Address**

SUBHADRA SUBHADRA

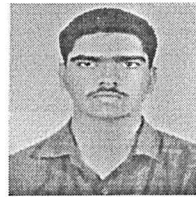
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**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AAVANY SURYA S D  
**Candidate Code** 24517132001  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132608982  
**Date of Birth** 15/01/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Nair  
**Fee Concession** Yes  
**Community** KPCR  
**Permanent Address** **Communication**  
**Address**  
CHANDRAKANTHAM CHANDRAKANTHAM  
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Mob: 9995559977





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ABHIRAMI R  
**Candidate Code** 24517132002  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132620782  
**Date of Birth** 12/10/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Chakkala Nair  
**Fee Concession** Yes  
**Community** SEBC  
**Permanent Address** **Communication Address**  
PAZHA VEEDU PAZHA VEEDU  
KOLLAM KOLLAM  
KAVANDU KAVANDU  
691003 691003  
Mob: 9567282809

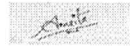




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**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**ame** AMRITA S R  
**Candidate Code** 24517132003  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132641068  
**Date of Birth** 16/07/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent** **Communication**  
**Address** **Address**  
PUTHENVEEDU PUTHENVEEDU  
CHATHANNOOR CHATHANNOOR  
KARAMCODU KARAMCODU  
691579 691579  
Mob: 9745845615

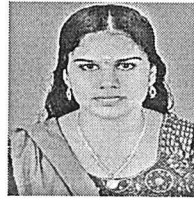




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**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** KARTHIKA. C  
**Candidate Code** 24517132008  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132645366  
**Date of Birth** 17/08/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Vanika Vaisya  
**Fee Concession** Yes  
**Community** OEC  
**Permanent Address** **Communication Address**  
AATTUCHIRA AATTUCHIRA  
THEKKATHIL THEKKATHIL  
ULIYAKOVIL ULIYAKOVIL  
ULIYAKOVIL P.O. ULIYAKOVIL P.O.  
691019 691019  
Mob: 9526904086



*Karthika C*



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** MEENU O  
**Candidate Code** 24517132009  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132619086  
**Date of Birth** 19/12/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy Layer  
**Permanent Address** Communication Address  
MATHIRAMPALLI MATHIRAMPALLI  
THEKKATHIL THEKKATHIL  
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Mob: 9947635764





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**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** MEENU S  
**Candidate Code** 24517132010  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132619479  
**Date of Birth** 12/04/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent  
Address** **Communication  
Address**  
S N V BUNGLOW S N V BUNGLOW  
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Mob: 9645200866







**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** REVATHY S  
**Candidate Code** 24517132012  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132610816  
**Date of Birth** 27/12/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Thandan  
**Fee Concession** Yes  
**Community** SC  
**Permanent Address** **Communication Address**  
KUNNUMPURATHU KUNNUMPURATHU  
VEEDU VEEDU  
KALLUVATHUKKAL KALLUVATHUKKAL  
KALLUVATHUKKAL KALLUVATHUKKAL P  
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691578 691578  
Mob: 8281761266





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** S. ATHIRA  
CHANDRAN

**Candidate Code** 24517132013

**Course** B Sc Botany ( 245 )

**College** S N College Kollam(  
132 )

**Student Id** 245132652945

**Date of Birth** 08/01/1999

**Gender** F

**Religion** Hindu

**Caste** Nair

**Fee Concession** No

**Community** General

**Permanent Address** **Communication Address**  
PULIVILA PULIVILA  
PADINJATTATHIL PADINJATTATHIL  
ASHTAMUDY ASHTAMUDY  
ASHTAMUDY ASHTAMUDY  
691602 691602  
Mob: 9447120094

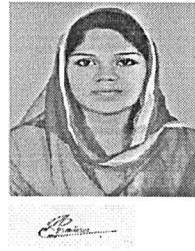




**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** SHAINA N  
**Candidate Code** 24517132015  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132628596  
**Date of Birth** 26/12/1999  
**Gender** F  
**Religion** Islam  
**Caste** Muslim  
**Fee Concession** Yes  
**Community** OBC Non-Creamy Layer  
**Permanent Address** Communication  
RAJILA MANZIL RAJILA MANZIL  
VELICHIKKALA VELICHIKKALA  
VELICHIKKALA VELICHIKKALA  
691573 691573  
Mob: 9961075725

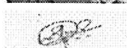




**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** SHILPA S  
**Candidate Code** 24517132016  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132624936  
**Date of Birth** 09/04/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent** **Communication**  
**Address** **Address**  
UTHRADAM UTHRADAM  
PUTHENCHANTHA PUTHENCHANTHA  
PUTHENCHANTHA PUTHENCHANTHA P  
**P O** O  
691583 691583  
Mob: 8606411161





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** SREELEKSHMI L  
**Candidate Code** 24517132017  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132622815  
**Date of Birth** 07/10/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Viswakarmas  
**Fee Concession** Yes  
**Community** OEC  
**Permanent** **Communication**  
**Address** **Address**  
KINATTAZHİKAM KINATTAZHİKAM  
PARAVUR PARAVUR  
PARAVUR PARAVUR  
691301 691301  
Mob: 7025763524



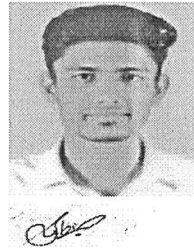
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**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** SUBIN S  
**Candidate Code** 24517132018  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132621244  
**Date of Birth** 29/08/1998  
**Gender** M  
**Religion** Hindu  
**Caste** Thandan  
**Fee Concession** Yes  
**Community** SC  
**Permanent Address** Communication  
SAFALLYA  
ERAVIPURAM  
ERAVIPURAM PO  
691011  
Mob: 8921062822

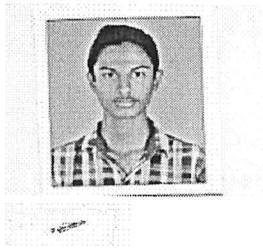




**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ABHIJITH S  
**Candidate Code** 24517132019  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132633960  
**Date of Birth** 02/01/1999  
**Gender** M  
**Religion** Hindu  
**Caste** Thandan  
**Fee Concession** Yes  
**Community** SC  
**Permanent** **Communication**  
**Address** **Address**  
Ambiyil puthen Ambiyil Puthen Veedu  
veedu EAST KALLADA  
EAST KALLADA EAST KALLADA  
EAST KALLADA 691502  
691502 Mob: 9497334893





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ADITHYA A S  
**Candidate Code** 24517132020  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132630490  
**Date of Birth** 03/08/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy  
Layer  
**Permanent** **Communication**  
**Address** **Address**  
SURYAMANGALAM SURYAMANGALAM  
BADAMJUNCTION BADAMJUNCTION  
EZHUKONE EZHUKONE  
691505 691505  
Mob: 9496105073



*Adithya*

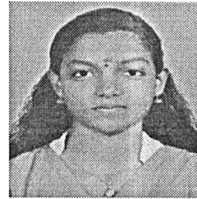




**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AISWARYA S  
**Candidate Code** 24517132021  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam(  
132 )  
**Student Id** 245132606404  
**Date of Birth** 09/09/1999  
**Gender** F  
**Religion** Hindu  
**Caste** Kurava  
**Fee Concession** Yes  
**Community** SC  
**Permanent Address** **Communication Address**  
POOVANVILA POOVANVILA  
THEKKETHIL THEKKETHIL  
ODANAVATTOM ODANAVATTOM  
ODANAVATTOM ODANAVATTOM  
691512 691512



*Aiswarya*

Mob: 8086528086



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

<b>Name</b>	AJIMOL. A
<b>Candidate Code</b>	24517132022
<b>Course</b>	B Sc Botany ( 245 )
<b>College</b>	S N College Kollam( 132 )
<b>Student Id</b>	245132655287
<b>Date of Birth</b>	23/06/1999
<b>Gender</b>	F
<b>Religion</b>	Hindu
<b>Caste</b>	Ezhava
<b>Fee Concession</b>	Yes
<b>Community</b>	OBC Non-Creamy Layer
<b>Permanent Address</b>	<b>Communication Address</b>
Aji Bhavan	Aji Bhavan
Mangadu	Mangadu
Mangadu	Mangadu
691015	691015
	Mob: 9645494149





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AKHILA KRISHNAN B

**Candidate Code** 24517132023

**Course** B Sc Botany ( 245 )

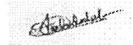
**College** S N College Kollam( 132 )



**Student Id** 245132649356

**Date of Birth** 09/06/1998

**Gender** F



**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy Layer

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

MAITHILI  
MANDIRAM  
NEENDAKARA  
NEENDAKARA  
691582

MAITHILI MANDIRAM  
NEENDAKARA  
NEENDAKARA  
691582  
Mob: 9946054046



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AKSHARA  
MANOHARAN

**Candidate Code** 24517132024

**Course** B Sc Botany ( 245 )

**College** S N College Kollam(  
132 )

**Student Id** 245132649697

**Date of Birth** 29/06/1999

**Gender** F

**Religion** Hindu

**Caste** Pulaya

**Fee Concession** Yes

**Community** SC

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

THODIYIL VEEDU  
KOTTIYAM  
KOTTIYAM P O  
691571

THODIYIL VEEDU  
KOTTIYAM  
KOTTIYAM P O  
691571  
Mob: 9645249243



*Handwritten signature of the student.*



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AMAL KRISHNA  
**Candidate Code** 24517132025  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132641240  
**Date of Birth** 26/07/1999  
**Gender** M  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy Layer



<b>Permanent Address</b>	<b>Communication Address</b>
CHARUVILA THAZHATHIL VEEDU VAKKANADU VAKKANADU 691509	CHARUVILA THAZHATHIL VEEDU VAKKANADU VAKKANADU 691509 Mob: 9744430854



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AMAL PRASAD S

**Candidate Code** 24517132026

**Course** B Sc Botany ( 245 )

**College** S N College Kollam( 132 )

**Student Id** 245132641560

**Date of Birth** 15/01/1999

**Gender** M

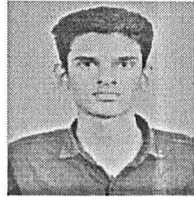
**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy Layer

<b>Permanent Address</b>	<b>Communication Address</b>
PADIPPURA HOUSE KERALAPURAM VELLIMON P O 691511	PADIPPURA HOUSE KERALAPURAM VELLIMON P O 691511 Mob: 9633854351



Amal



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ANANDHU R

**Candidate Code** 24517132027

**Course** B Sc Botany ( 245 )

**College** S N College Kollam( 132 )

**Student Id** 245132637062

**Date of Birth** 19/12/1999

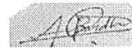
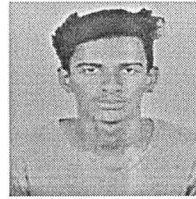
**Gender** M

**Religion** Hindu

**Caste** Thandan

**Fee Concession** Yes

**Community** SC



**Permanent Address Communication Address**

Anandhu Bhavanam	Anandhu Bhavanam
karunagappally	karunagappally
kadathoor	kadathoor
690523	690523
	Mob: 8129339527



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ANUBHAV P

**Candidate Code** 24517132028

**Course** B Sc Botany ( 245 )

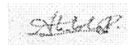
**College** S N College Kollam( 132 )

**Student Id** 245132675395



**Date of Birth** 02/11/1998

**Gender** M



**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy Layer

**Permanent Address Communication Address**

JANATHA  
CUTCHERY P O  
CUTCHERY  
691013

JANATHA  
CUTCHERY P O  
CUTCHERY  
691013  
Mob: 7994921463





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name**            AROMAL  
                         MURALI

**Candidate Code**    24517132029

**Course**            B Sc Botany ( 245 )

**College**            S N College  
                         Kollam( 132 )

**Student Id**    245132636367

**Date of Birth**        24/01/1999



**Gender**            M

**Religion**          Hindu

**Caste**             Ezhava

**Fee Concession**    Yes

**Community**        OBC Non-Creamy Layer

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

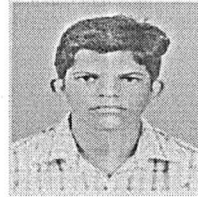
PALAVILA    PALAVILA  
VEEDU        VEEDU  
NALLILA      NALLILA  
NALLILA      NALLILA  
691515        691515  
Mob:  
9847051895



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ARUN KUMAR A  
**Candidate Code** 24517132030  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132640705 . .  
**Date of Birth** 19/01/1999  
**Gender** M  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy Layer



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

MAMMOOTTIL HOUSE  
MARUTHADI P O  
MARUTHADI  
691003

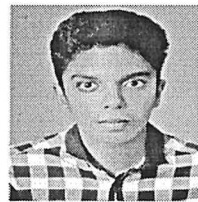
Mammoottil House  
Maruthadi PO  
Maruthadi  
691003  
Mob: 9995048173



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ARUN T S  
**Candidate Code** 24517132031  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132611714  
**Date of Birth** 01/12/1999  
**Gender** M  
**Religion** Hindu  
**Caste** Ezhava  
**Fee Concession** Yes  
**Community** OBC Non-Creamy Layer



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

SANTHOSHBHAVAN      SANTHOSHBHAVAN  
MUTHARAMKUNNU      Ambalamkunnu  
NETTAYAM PO      NETTAYAM PO  
691537      691537  
Mob: 9446607006



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ARUNA U  
**Candidate Code** 24517132032  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132675243  
**Date of Birth** 05/08/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Kanikkaran  
**Fee Concession** Yes  
**Community** ST



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

ROHINI BHAVAN  
KULATHUPUZHA  
KADAMANCODU  
691312

ROHINI BHAVAN  
KULATHUPUZHA  
KADAMANCODU  
691312  
Mob: 8157801350



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

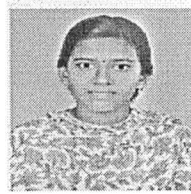
**Name** ARYA SATHYAN

**Candidate Code** 24517132033

**Course** B Sc Botany ( 245 )

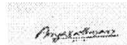
**College** S N College Kollam( 132 )

**Student Id** 245132626420



**Date of Birth** 20/01/2000

**Gender** F



**Religion** Hindu

**Caste** Thandan

**Fee Concession** Yes

**Community** SC

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

SARASWATHY	SARASWATHY
MANDIRAM	MANDIRAM
PLACKODU	PLACKODU
EDAKKIDOM P O	EDAKKIDOM P O
691505	691505
	Mob: 8606179049



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

<b>Name</b>	ASWATHY S
<b>Candidate Code</b>	24517132034
<b>Course</b>	B Sc Botany ( 245 )
<b>College</b>	S N College Kollam( 132 )
<b>Student Id</b>	245132621263
<b>Date of Birth</b>	19/10/1999
<b>Gender</b>	F
<b>Religion</b>	Hindu
<b>Caste</b>	Ezhava
<b>Fee Concession</b>	Yes
<b>Community</b>	OBC Non-Creamy Layer
<b>Permanent Address</b>	<b>Communication Address</b>
vilayilputhan veedu kollam KAVANDU 691003	Vilayilputhan Veedu KOLLAM Kavanadu 691003 Mob: 9744691011





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ATHIRA ARAVIND

**Candidate Code** 24517132035

**Course** B Sc Botany ( 245 )

**College** S N College Kollam( 132 )

**Student Id** 245132601901



**Date of Birth** 14/03/2000

**Gender** F

**Religion** Hindu

**Caste** Nair

**Fee Concession** Yes

**Community** KPCR

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

ARYA NIVAS  
ASHTAMUDY  
ASHTAMUDY  
691602

ARYA NIVAS  
ASHTAMUDY  
ASHTAMUDY  
691602  
Mob: 9846913408



**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** AKHILA S S  
**Candidate Code** 24516132002  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132525216  
**Date of Birth** 12/09/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Pulaya  
**Fee Concession** Yes  
**Community** SC



Akhila S S

**Permanent Address Communication Address**

Thodiyil Veedu Thodiyil Veedu  
VALATHUNGAL VALATHUNGAL  
ERAVIPURAM ERAVIPURAM  
691011 691011  
Mob: 808633974





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ANANTHAKRISHNAN  
G

**Candidate Code** 24516132004

**Course** B Sc Botany ( 245 )

**College** S N College Kollam(  
132 )

**Student Id** 245132558720

**Date of Birth** 05/10/1997

**Gender** M

**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy  
Layer

**Permanent** **Communication**

**Address** **Address**

ANANTHAPURI ANANTHAPURI

ALUMKADAVU ALUMKADAVU

ALUMKADAVU P ALUMKADAVU P O

O 690573

690573 Mob: 9447895773





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ANCHU V S

**Candidate Code** 24516132005

**Course** B Sc Botany ( 245 )

**College** S N College Kollam( 132 )

**Student Id** 245132543026

**Date of Birth** 08/04/1998

**Gender** F

**Religion** Hindu

**Caste** Ezhava

**Fee Concession** Yes

**Community** OBC Non-Creamy Layer

**Permanent Address** DWARAKA  
KOTTIYAM  
Pullichira  
691304

**Communication Address** DWARAKA  
KOTTIYAM  
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Mob: 8547481429





**SREE NARAYANA COLLEGE**  
**DEPARTMENT OF BOTANY**  
**COLLEGE -LEVEL CERTIFICATE COURSE (2017 -18)**  
**HORTICULTURE TECHNIQUES: PRINCIPLES AND PRACTICES**

**Student Profile**

**Name** ANUPRIYA B M  
**Candidate Code** 24516132008  
**Course** B Sc Botany ( 245 )  
**College** S N College Kollam( 132 )  
**Student Id** 245132541476  
**Date of Birth** 23/07/1998  
**Gender** F  
**Religion** Hindu  
**Caste** Nair  
**Fee Concession** Yes  
**Community** KPCR  
**Permanent Address** Communication  
**Address** Address  
PONNI NIVAS PONNI NIVAS  
PARAVOOR PARAVOOR  
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691301 691301  
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Anupriya

*Anuradha*  
Principal  
Sree Narayana College  
Kollam

