



# SREE NARAYANA COLLEGE KANNUR

ACCREDITED BY NAAC WITH 'A' GRADE (AFFILIATED TO KANNUR UNIVERSITY)

Sree Narayana College Kannur, P.O. Thottada, Kannur, Kerala, India - 670 007

✉ [sncollegekannur@gmail.com](mailto:sncollegekannur@gmail.com) ☎ 0497 - 2731085

🌐 [www.sncollegekannur.ac.in](http://www.sncollegekannur.ac.in)



## 1.2 Academic Flexibility

### 1.2.1 Add on /Certificate/Value added programs

**2020-21**

**SREE NARAYANA COLLEGE, KANNUR**

**DEPARTMENT OF BOTANY  
OFFERS CERTIFICATE COURSE ON:**

# **HORTICULTURE**

Horticulture is the branch of agriculture that deals with the art, science, technology, and business of vegetable garden plant growing.

Eligibility: Plus Two with Science

Period of Course: Aug. 17 to Nov. 14, 2020

For more details contact: Dr. Prasanth K. P. Ph: 94478 53914



**SREE NARAYANA COLLEGE, KANNUR**

**DEPARTMENT OF BOTANY**

**CERTIFICATE COURSE: 2020-2021**

**HORTICULTURE**

**Course Duration: 30 Hours**

**Module I 3 Hours**

Overview of horticulture: scope and significance. Historical development and contemporary issues in horticulture. Key botanical principles relevant to horticulture.

**Module II 5 Hours**

Propagation: Seeds- development, dormancy, health, testing, seedlings, transplanting. Vegetative propagation: organs, natural, artificial, cutting, layering, grafting, budding, micropropagation.

**Module III 6 Hours**

Soil- formation, composition, types, texture, pH and conductivity. Soil components. Preparation of potting mixture. Nursery preparation: Manures, chemical fertilizers, application, foliar spray. Irrigation: methods, advantages, disadvantages, frequency.

**Module IV 9 Hours**

Pomology: Cultivation of mango, banana, and pineapple, including land preparation, spacing, planting, irrigation, hormones, harvest, and storage. Fruit preservation: Pickles, jams, jellies, squashes.

Floriculture: Jasmine, orchid, anthurium, rose, Bougainvillea. Landscape design. Production: Cut flowers, quality, packing, marketing. Flower arrangements: Basic styles, Ikebana, dry arrangements.

**Module V 4 Hours**

Gardening: Ornamental, indoor, kitchen gardens, terrestrial, aquatic. Vegetable growing: Home gardens, market gardens, cultivation practices (Amaranthus, Potato, Tomato, Cauliflower). Common Garden tools and implements. Integrated pest management (IPM): Garden friends, garden foes, control measures, weeds, weed control.

**Module VI 3 Hours**

Sustainable Horticulture: Ecological principles, organic practices, water management, waste management. Innovations: Precision agriculture, remote sensing, GIS, hydroponics, vertical farming.

### **Practicals**

- Preparation of potting mixture
- Preparation of nursery beds.
- Cultivation of a vegetable / ornamental plant / fruit crop
- Visit a well established nursery and submit report.

### **References**

- Edmond J.B., Senn T.L., Andrews F.S., Halfacre P.G. 1975. *Fundamentals of Horticulture*. 4<sup>th</sup> Edn. TMH N. Delhi.
- Barton West R. 1999. *Practical Gardening in India*. Discovery Pub. House, New Delhi.
- Jules Janick. 1979 *Horticultural Science*. Surjeet publications, Delhi.
- Percy Lancasher, 2004. Gardening in India. Oxford IBH Publishing Co. Pvt. Ltd.
- "Floriculture: Principles and Species" by A. P. A. van Iersel and D. E. B. T. Wilkins

**SREE NARAYANA COLLEGE, KANNUR**  
**DEPARTMENT OF BOTANY**  
**CERTIFICATE COURSE: HORTICULTURE**  
**COURSE PERIOD: 2020-21**  
**STUDENTS ENROLLED**

SL.	NAME OF THE STUDENTS	REG. NO.	SIGNATURE
1	ANJANA P V	SN19 CZOR04	Anjana
2	ARCHANA K	SN19 CZOR06	Archana
3	NIMISHA M	SN19 CZOR13	Nimisha
4	RAMITHA M	SN19 CZOR14	Ramitha
5	SISNA V P	SN19 CZOR15	Sisna
6	SNEHA SAHADEVAN	SN19 CZOR18	Sneha
7	AKSHAY PRAKASH	SN19 CZOR20	Akshay
8	ANAINA K	SN19 CZOR24	Anaina
9	CHANDANA PRAMOD	SN19 CZOR26	Chandana
10	NEELIMA P J	SN19 CZOR29	Neelima
11	ADRIKA JAGADEESHAN	SN18CBOR01	Adrika
12	ANAGHA K V	SN18CBOR04	Anagha
13	ANAGHA N C	SN18CBOR05	Anagha
14	ANU K	SN18CBOR07	Anu
15	AVANI T	SN18CBOR08	Avani
16	SULTHANA FAHMI K K	SN18CBOR15	Sulthana
17	PRANAV K	SN18CBOR19	Pranav
18	AISWARYA M K	SN18CBOR21	Aiswarya
19	DEVIKA K V	SN18CBOR24	Devika
20	NIVEDHYA P V	SN18CBOR28	Nivedhya
21	THEERTHA V	SN18CBOR29	Theertha
22	ANANYA P P	SN19CBOR02	Ananya
23	ASHNA SUDHAKARAN	SN19CBOR05	Ashna
24	GAYATHRI ANIYERI	SN19CBOR09	Gayathri
25	SANDRA P V	SN19CBOR13	Sandra
26	GOKUL MANOJ	SN19CBOR20	Gokul
27	AJANYA T	SN19CBOR22	Ajanya
28	ALEENA RAMESH	SN19CBOR23	Aleena
29	ANUSREE RIYA	SN19CBOR26	Anusree
30	DARSHANA M	SN19CBOR27	Darshana
31	CHRISTEENA JOSHY	SN19CZOR08	Christeena
32	SUNEESH N T	SN19CZOR22	Suneesh
33	ARADHYA GANESH	SN19CZOR25	Aradhy
34	GOPIKA C K	SN19CZOR28	Gojika

11/09/2020

**SREE NARAYANA COLLEGE, KANNUR**  
**DEPARTMENT OF BOTANY**  
**CERTIFICATE COURSE: HORTICULTURE**  
**COURSE PERIOD: 2020-21**  
**COURSE COMPLETED STUDENTS**

SL.	NAME OF THE STUDENTS	REG. NO.	SIGNATURE
1	ANJANA P V	SN19 CZOR04	<i>Anjana</i>
2	ARCHANA K	SN19 CZOR06	<i>Archana</i>
3	NIMISHA M	SN19 CZOR13	<i>Nimisha</i>
4	RAMITHA M	SN19 CZOR14	<i>Ramitha</i>
5	SISNA V P	SN19 CZOR15	<i>Sisna</i>
6	SNEHA SAHADEVAN	SN19 CZOR18	<i>Sneha</i>
7	AKSHAY PRAKASH	SN19 CZOR20	<i>Akshay</i>
8	ANAINA K	SN19 CZOR24	<i>Anaina</i>
9	CHANDANA PRAMOD	SN19 CZOR26	<i>Chandana</i>
10	NEELIMA P J	SN19 CZOR29	<i>Neelima</i>
11	ADRIKA JAGADEESHAN	SN18CBOR01	<i>Adrika</i>
12	ANAGHA K V	SN18CBOR04	<i>Anagha</i>
13	ANAGHA N C	SN18CBOR05	<i>Anagha</i>
14	ANU K	SN18CBOR07	<i>Anu</i>
15	AVANI T	SN18CBOR08	<i>Avani</i>
16	SULTHANA FAHMI K K	SN18CBOR15	<i>Sulthana</i>
17	PRANAV K	SN18CBOR19	<i>Pranav</i>
18	AISWARYA M K	SN18CBOR21	<i>Aiswarya</i>
19	DEVIKA K V	SN18CBOR24	<i>Devika</i>
20	NIVEDHYA P V	SN18CBOR28	<i>Nivedhya</i>
21	ASHNA SUDHAKARAN	SN19CBOR05	<i>Ashna</i>
22	GAYATHRI ANIYERI	SN19CBOR09	<i>Gayathri</i>
23	SANDRA P V	SN19CBOR13	<i>Sandra</i>
24	GOKUL MANOJ	SN19CBOR20	<i>Gokul</i>
25	DARSHANA M	SN19CBOR27	<i>Darshana</i>
26	CHRISTEENA JOSHY	SN19CZOR08	<i>Christeena</i>
27	SUNEESH N T	SN19CZOR22	<i>Suneesh</i>
28	ARADHYA GANESH	SN19CZOR25	<i>Aradhy</i>
29	GOPIKA C K	SN19CZOR28	<i>Gojika</i>

*[Signature]*  
06/12/2020

HOD, Department of Botany



**SREE NARAYANA COLLEGE, KANNUR**

**CERTIFICATE  
OF COMPLETION**

This is to certify that

**MS. ADRIKA JAGADEESHAN**

has completed the Certificate Course on 'Horticulture',  
conducted by the Department of Botany,  
Sree Narayana College, Kannur, during the year 2020-21.

Dr. Aparna P.,  
HOD, Department of Botany

January 10, 2021.



Sree Narayana college , Kannur

NACC Re- Accredited with A Grade, CGPA : 3.04

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE 2020-21

# WATER QUALITY MONITORING

Course Co-ordinator

Mrs.Sumitha Chandran U K  
Asst. Professor  
Dept. Of chemistry






**SREE NARAYANA COLLEGE, KANNUR**  
**PG AND RESEARCH DEPARTMENT OF CHEMISTRY**

**NOTICE**

Date : 02/02/2021

All students of B.Sc fourth and sixth semester are hereby informed that Department is organizing a **'Certificate Course on Water Quality Monitoring'** from Monday 8<sup>th</sup> February 2021. The interested students can register for the course. For more details contact course co-ordinator Mrs. Sumitha Chandran U K.

HOD   
Department of Chemistry

Contact : Mrs. Sumitha Chandran U K  
Assistant Professor of Chemistry  
Mob :9495897541



SREE NARAYANA COLLEGE, KANNUR

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE ON WATER QUALITY MONITORING : CH20- CCWQM

### SYLLABUS

Course Code	:	CH 20-CCWQM
Year	:	2020-21
Course Duration	:	30 hours
Entry Requirement	:	Interested students of B.Sc Chemistry
Course Co-ordinator	:	Mrs.Sumitha Chandran U K

Clean fresh water is one of the most vital natural resources. Since quality of water is susceptible to changes with time and other factors, continuous monitoring of water is essential. Water quality assessment provides the base line information on water safety. Qualitative and quantitative measurements are needed to guarantee the purity of water from various sources of supply. This course on water quality assessment is an attempt to equip students with theoretical background and practical skills to participate in water quality ensuring practices.

#### **Aim**

The course intends to prepare a student in acquiring skills on the art of water monitoring and quantitative analysis of critical water quality parameters. It also brings in those aspects of chemistry which are important for water quality management and pollution control.



## Learnig Outcomes

At the end of the course the student will be able to:

- Explain the general properties of water and understand water resources and water conservation.
- Develop awareness about water quality criteria and standards, and their relation to public health and environment
- Understand important parameters for measuring water quality.
- Know about the methods for the determination of water quality parameters
- Learn how to run accurate water quality tests and to determine how the parameters relate to each other.

## CourseContent

### I. Water Quality Fundamentals (8hours)

Chemistry of water, Physical and chemical properties, Water resources, water pollution, Important water Quality parameters and methods for their determination -turbidity, color, taste, pH, acidity, alkalinity, chemical constituents, hardness, dissolved oxygen etc., water sampling, standard for drinking water as per BIS specifications, household water treatment and safe storage.

### II Analytical instruments –Brief outline(7 hours)

Flame Emission Spectrophotometer (FES) UV-Vis spectrophotometer, Atomic absorption spectrophotometer (AAS), Biological analyzers; Autoclave, incubator, water analyzer for pH, salinity and electrical conductance; Units in which the quality parameters are reporting during each analyzing.

### II. Practical-Laboratory tests for water quality monitoring(15hours)

Determination of pH and conductivity, Test for acidity and alkalinity, Test for total hardness, Test for chloride, calcium, iron etc., calculation of magnesium content and total solids. Analytical instruments –Brief outline. Flame Emission Spectrophotometer (FES), UV-Vis spectrophotometer, Atomic absorption spectrophotometer (AAS), Biological analyzers; Autoclave, incubator, water analyzer for pH, salinity and electrical conductance; Units in which the quality parameters are reporting during each analyzing.

SREE NARAYANA COLLEGE, KANNUR

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE ON WATERQUALITY MONITORING (CH20 : CCWQM )

TIMETABLE 2020-21

Time	Monday	Tuesday	Wednesday	Thursday	Friday
Theory 8.45 – 9.45	AN	KMJ	UKS	JK	VVP
Practical 3.30- 5.00	UKS+ AN	UKS+ KMJ	UKS+ KTG	UKS+ JK	UKS + VVP

UKS- Mrs. Sumitha Chandran U K



AN- Mrs. Aparna N



KMJ – Dr. Jitha Kunhikrishnan M



JK – Dr. Jithesh K



VVP- Dr. Vinisha Valsaraj P



KTG- Mrs. Geethadevi K T



SREE NARAYANA COLLEGE, KANNUR

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Certificate course 2020-21

CERTIFICATE COURSE ON WATERQUALITY MONITORING (CH20 : CCWQM )

Enrolled Student List

Sl No.	Reg no.	Name
1	CH20CC 01	Adithya
2	CH20CC 02	Adya Saseendran
3	CH20CC 03	Afeefa V Ayoob
4	CH20CC 04	Aiswarya T
5	CH20CC 05	Anisha A
6	CH20CC 06	Aparna Raveendran
7	CH20CC 07	Arya Rajeev
8	CH20CC 08	Devika rajesh
9	CH20CC 09	Ishika Dhanesh
10	CH20CC 10	Krishna N
11	CH20CC 11	Megna J S
12	CH20CC 12	Neha N
13	CH20CC 13	Punnya Rajeevan
14	CH20CC 14	Reshmi C
15	CH20CC 15	Sarga K V
16	CH20CC 16	Snighda A V
17	CH20CC 17	Theja Rajesh U N
18	CH20CC 18	Vaishnavi R
19	CH20CC 19	Abhinraj P P
20	CH20CC 20	Adwaith Shaji
21	CH20CC 21	Arshin Anand
22	CH20CC 22	Aswanth C
23	CH20CC 23	Aiswarya A
24	CH20CC 24	Anaswara M
25	CH20CC 25	Anvitha Raveendran
26	CH20CC 26	Ashima P C
27	CH20CC 27	Aswathi C K
28	CH20CC 28	Aswathi P P
29	CH20CC 29	Gopika P

30	CH20CC 30	Hridya T K
31	CH20CC 31	Jinsiya C H
32	CH20CC 32	Maneesha C
33	CH20CC 33	Niveda P Vinod
34	CH20CC 34	Rahina E
35	CH20CC 35	Rithuparna R Mahesh
36	CH20CC 36	Samanya P
37	CH20CC 37	Sneha A V
38	CH20CC 38	Sneha T C
39	CH20CC 39	Sreya E K
40	CH20CC 40	Tanya Manusree
41	CH20CC 41	Theertha K K
42	CH20CC 42	Visrutha Raj
43	CH20CC 43	Abhinand K P
44	CH20CC 44	Abhinav T
45	CH20CC 45	Abhishek Saseendran
46	CH20CC 46	Akhil K
47	CH20CC 47	Sreejish P
48	CH20CC 48	Vaishnav S
49	CH20CC 49	Medha Prakash
50	CH20CC 50	Sneha O



**SREE NARAYANA COLLEGE, KANNUR**

**PG AND RESEARCH DEPARTMENT OF CHEMISTRY**

**Certificate course 2020-21**

**CERTIFICATE COURSE ON WATER QUALITY MONITORING (CH20 : CCWQM )**

**Maximum marks : 25**

**Time :2 hrs**

**Answer any five questions. Each question carries 5 marks**

1. What are the main parameters that determine the quality of water.
2. How will you determine turbidity, pH and acidity of drinking water
3. How AAS helps in water Quality determinatin.
4. How will you calculate Magnesium and total solid content of water
5. Comment on BIS standard of Water purity
6. Write a note on biological analyzers
7. What is COD and BOD.How is it determined

**(5 x 5 = 25)**

SREE NARAYANA COLLEGE, KANNUR  
PG AND RESEARCH DEPARTMENT OF CHEMISTRY  
CERTIFICATE COURSE ON WATERQUALITY MONITORING (CH20 : CCWQM )

Marklist

Sl No.	Name	Mark
CH20CC01	Adithya	21
2	Adya Saseendran	20
3	Afeefa V Ayoob	23
4	Aiswarya T	20
5	Anisha A	21
6	Aparna Raveendran	19
7	Arya Rajeev	23
8	Devika rajesh	18
9	Ishika Dhanesh	11
10	Krishna N	19
11	Megna J S	22
12	Neha N	21
13	Punya Rajeevan	25
14	Reshmi C	23
15	Sarga K V	22
16	Snighda A V	21
17	Theja Rajesh U N	22
18	Vaishnavi R	16
19	Abhinraj P P	13
20	Adwaith Shaji	14
21	Arshin Anand	16
22	Aswanth C	15
23	Aiswarya A	19
24	Anaswara M	13
25	Anvitha Raveendran	21
26	Ashima P C	12
27	Aswathi C K	19
28	Aswathi P P	20
29	Gopika P	18
30	Hridya T K	20
31	Jinsiya C H	24
32	Maneesha C	20
33	Niveda P Vinod	25
34	Rahina E	22
35	Rithuparna R Mahesh	10
36	Samanya P	21
37	Sneha A V	21

SREE NARAYANA COLLEGE, KANNUR  
PG AND RESEARCH DEPARTMENT OF CHEMISTRY  
CERTIFICATE COURSE ON WATERQUALITY MONITORING (CH20 : CCWQM )

Marklist

38	Sneha T C	22
39	Sreya E K	17
40	Tanya Manusree	12
41	Theertha K K	16
42	Visrutha Raj	18
43	Abhinand K P	19
44	Abhinav T	11
45	Abhishek Saseendran	17
46	Akhil K	10
47	Sreejish P	12
48	Vaishnav S	14
49	Medha Prakash	24
50	Sneha O	22

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**Post Graduate & Research Department of Chemistry**

**Sree Narayana College, Kannur**

NAAC Reaccredited with A grade

**Certificate of Completion**

Awarded to

{{.....}}

For successfully completing the certificate course .....  
conducted by Post Graduate and Research Department of Chemistry, and Internal Quality Assurance Cell, Sree Narayana College, Kannur, from ..... to .....

H. O. D. Chemistry

Principal

SREE NARAYANA COLLEGE, KANNUR

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE ON WATER QUALITY MONITORING : CH20- CCWQM

## Report

One by third of the universes constitute water, the scarcity of water for drinking and other necessity is a major concern in the present social system due to the water pollution. Hence the purification of water from pollutants is very necessary present situation. Though the ground water is mainly used for the drinking purpose, other water surface sources like rivers, canals, and lakes are also exploiting for the same purpose. Chemical, physical, biological and physiological contaminants are present in the polluted water, among these, the chemical pollutants in the water cause more adverse effect to the aquatic system than any other type of contaminants. The aim of the course is to *'make a Post graduate and graduate science student aware about analytical procedures and permissible limits of contaminants in soil and water'*

The certificate course in Water Quality Analysis (WQA), offered by th post graduate and research department of Chemistry, Sree Narayana College, Kannur provides professional training and awareness for careers Water quality analytical field with a chemistry background. This mission could be achieved through imparting practical knowledge about water contamination and doing analysis of real samples.

The course was Conducted in association with IQAC on the topic Hygiene from 08/02/2021 to 10.03..2021. About 50 students of our department enrolled for the programme. Certificates were issued to students who successfully completed the course. Mrs. Sumitha Chandran was the course coordinator.





**SREE NARAYANA COLLEGE KANNUR**

**ORGANISED BY IQAC**

**CERTIFICATE  
COURSE-2020-21**

**COVID-19  
AWARENESS**



DR ANITHA P K

IQAC COORDINATOR

DR AJAYAKUMAR K

PRINCIPAL

**SREE NARAYANA COLLEGE KANNUR**

**CERTIFICATE COURSE ON COVID 19 AWARENESS**

**Module 1: Introduction to COVID-19 (3 hours)**

- Overview of coronaviruses
- Origin and transmission of COVID-19
- Symptoms and clinical manifestations
- Stages of infection

**Module 2: Epidemiology of COVID-19 (4 hours)**

- Global and local statistics
- Understanding infection rates and R0 value
- Risk factors and vulnerable populations
- Impact of variants on transmission

**Module 3: Prevention and Control Measures (6 hours)**

- Personal protective equipment (PPE)
- Hand hygiene practices
- Respiratory hygiene and cough etiquette
- Social distancing and isolation measures
- Vaccination: types, efficacy, and myths

**Module 4: Public Health Response (4 hours)**

- Role of public health organizations (WHO, CDC)
- Contact tracing and quarantine protocols
- Travel guidelines and restrictions
- Community engagement and communication strategies

**Module 5: Mental Health and COVID-19 (3 hours)**

- Psychological impact of the pandemic
- Strategies for coping and resilience
- Resources for mental health support

**Module 6: Legal and Ethical Considerations (3 hours)**

- Rights and responsibilities during a pandemic
- Ethical dilemmas in healthcare and resource allocation
- Vaccine mandates and public health policies

**Module 7: Post-Pandemic Considerations (3 hours)**

- Long COVID: symptoms and management
- Lessons learned for future pandemics
- Building resilient healthcare systems

**Module 8: Assessment and Certification (4 hours)**

- Quizzes and interactive activities
- Final assessment
- Course evaluation and feedback

**SREE NARAYANA COLLEGE KANNUR**

**IQAC**

**CERTIFICATE COURSE**

**STUDENT ENROLLMENT LIST**

SL.NO	NAME
1	VYSHNAV K V
2	VISHNU SASIDHARAN P K
3	SHILPARAJ M V
4	SHABNA K P
5	NEERAJA M
6	K V DEEKSHITH
7	ABHIJITH KUMAR P
8	JUSTEENA JOSEPH
9	HIMADEVI C
10	HARITHA NARAYANAN M
11	HANNA JAFFAR
12	FAHEEMA MEHROOF K V
13	DRISYA T P
14	ATHULYA E
15	ARUN VIJAY A P
16	ARJUN U G
17	ABIJITH K JAYAN
18	ANUSREE M C
19	ANUSHKA DINESH
20	ANJUSHA P G
21	ANAGHA SURESH
22	AMEYA V
23	AKASH P M
24	ADITHYA SURENDRAN
25	

26	VARSHA A
27	SARANYA P
28	SANDRA SADANANDAN
29	RAZANATH P K
30	P AKSHAYA
31	HRIDYA E P
32	DHANYA C

33	ATHIRA P V
34	ASWATHI C V
35	ASWATHI C
36	ARYA V
37	ANUSREE T
38	ANJU V
39	ANJALI K
40	ANJALI C
41	AMRUTH C
42	AMRITHA V M
43	AJANYA P R
44	ADARSH U

45	VISMAYA V
46	SWETHA V V
47	SHILPA N
48	SARUN RAJ K
49	RINISHA K
50	RAJINA P
51	NEHA SUDHAKARAN
52	KRISHNAPRIYA M
53	KARTHIKA S
54	JADEERA A KADER
55	HARSHA P
56	GALEELI SULABHAN
57	FUHADHA C H
58	AYSHA FIDA
59	ARUNIMA SASIDHARAN C
60	AKSHAY S
61	AISWARYA M M

62	THRISHNA N
63	SWETHA AMBAT
64	SRUTHI A
65	SREYA K V
66	ABHAYA P
67	NIRMAL P ANTONY
68	MIDHUL GANESH K
69	ASWATHI K
70	APARNA MOHANAN

71	ANAMIKA S NATH
72	AMRITHA P P
73	ADARSH DHANARAJ E

74	SRUTHI P
75	MRUDULA M
76	LITHENDU M K
77	KRISHNAPRIYA CHANDRAN
78	KRISHNA E P
79	DUITHI S BABU
80	ASWANTH S
81	ABHIJITH R
82	ASWANI ASHOKAN
83	ASHITHA A
84	ANUSREE K P
85	ADITHYA M V

86	AAVANY
87	ADITHYA K V
88	AKHILA BALAKRISHNAN
89	AMRUTHA P K
90	ANAGHA S
91	ANAGHA U K
92	ANAKHA N P
93	ANJALI P
94	ANJANA JAYAKUMAR
95	ANJANA M
96	VISHNUPRIYA O
97	ANUPRIYA A
98	ANURA BALAKRISHNAN
99	ANUSREE C
100	ANUSREE P P
101	APARNA T
102	ARATHI N
103	ARJUN P V
104	ARSH P K
105	ARYA ANOOP
106	ATHIRA S
107	ATHULYA T
108	GOKUL P C

109	MANISHA NAGESH
110	RITHIKA VINOD
111	SANIKA LAKSHMANAN
112	SANJAY P
113	SHEENRAJ P A
114	SNEHA MURALIDHARAN
115	SREELAKSHMI A
116	SULTHANA P V

117	NANDANA N
118	NASRA NAJEEB K
119	NAVEENA S
120	NAVYA T
121	NEETHAL K
122	NIKHITHA M V
123	NOORUL HUDA K M
124	RAHUL RAJU
125	RATHIN RAJ M K
126	RIZWA SHUKOOR P K
127	SAFA K
128	SAFNA A C
129	SAFNA V P
130	SWATHI SASIDHARAN
131	SANDRA O K
132	SHAFEERA P
133	SHAGIN C V
134	SHAYANA K V
135	SHAYONA K
136	SHILPA A
137	SHRAVAN K RAJEEV
138	SNEHA T
139	SREENIDHI P
140	SREERAG K

## **SREE NARAYANA COLLEGE, KANNUR**

*NAAC Re-accredited with A Grade,CGPA:3.04*

Organized by  
IQAC Sree Narayana College, Kannur



## **CERTIFICATE COURSE 2019-20**

**CERTIFICATE OF RECOGNITION**

has successfully completed a certificate course on Covid-19 Awareness on 06/06/2029.Organised by IQAC,Sree Narayana college Kannur.

\_\_\_\_\_  
Dr.Anitha P K  
(IQAC COORDINATOR)

\_\_\_\_\_  
Dr.Ajayakumar K  
(Principal)



# SREE NARAYANA COLLEGE KANNUR

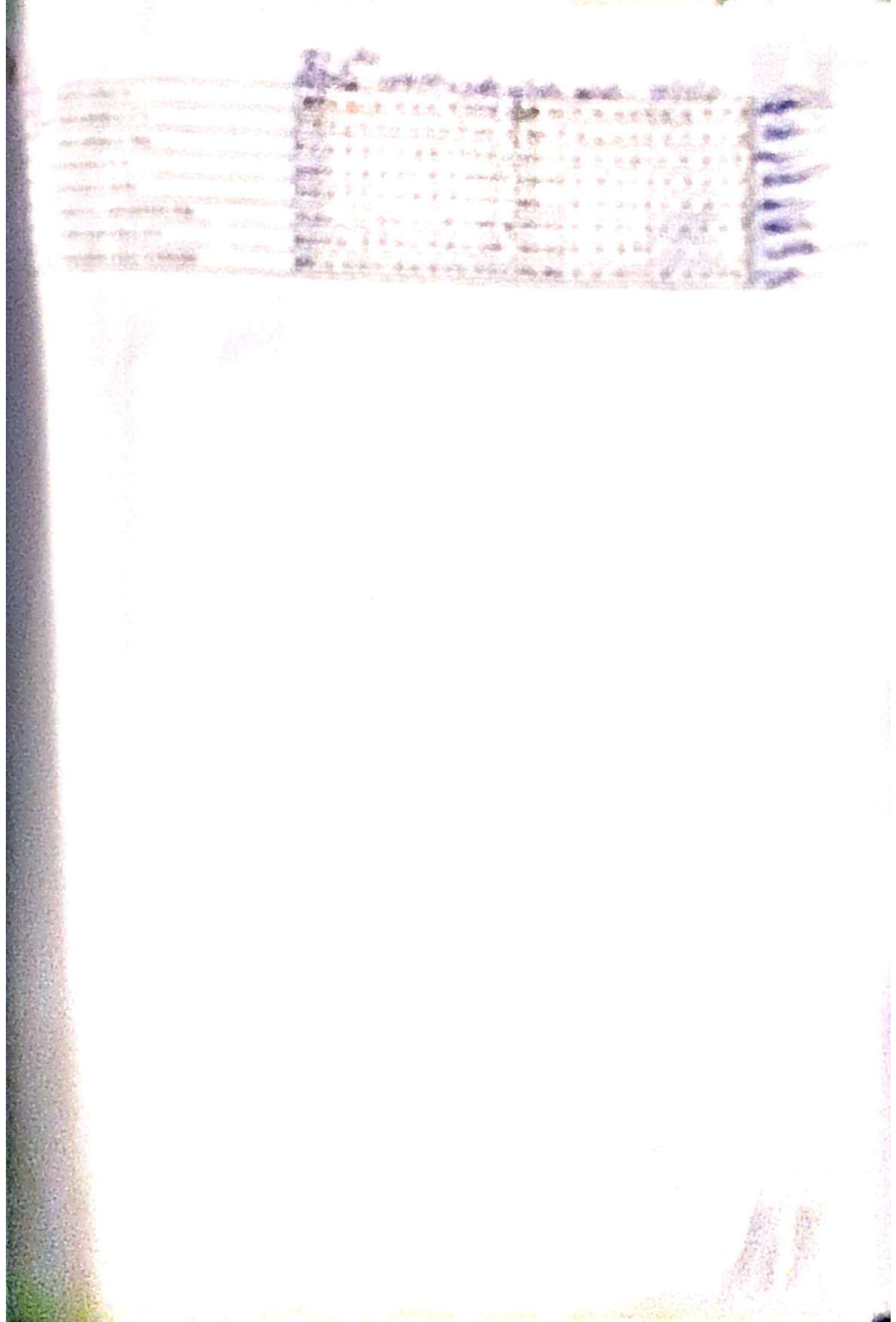


Department of Malayalam

ADD ON COURSE ON INTRODUCTION TO  
LANGUAGE COMPUTING

Resource Person :  
VK ADARSH  
TECHNOLOGY WRITER





# Syllabus

ബി.എ കോഴസ  
ഡി 02 എ.എ.എൽ

ബി.എ മലയാളം

## മലയാളം കമ്പ്യൂട്ടിംഗ്

പഠനമണിക്കൂർ : 36

ക്രെഡിറ്റ് : 2

കമ്പ്യൂട്ടർ സാങ്കേതികവിദ്യയിലുള്ള സാമാന്യപരിജ്ഞാനവും കമ്പ്യൂട്ടിംഗ് പരിശീലനവും നേടിയെടുക്കാൻ വിദ്യാർത്ഥികളെ പ്രാപ്തരാക്കുക.

### മാർഗ്ഗ നിർദ്ദേശങ്ങൾ

വിവാഹാസൂത്രമേഖലയിലെ അടിസ്ഥാന സങ്കല്പങ്ങളും പ്രായോഗികജ്ഞാനങ്ങളും രൂപപ്പെടുത്തുകയും വിലയിരുത്തുകയും ചെയ്യുക.

ഓഫീസ പാക്കേജുകളും ജനപ്രിയ സോഫ്റ്റ്‌വെയറുകളും കൈകാര്യം ചെയ്യാനുള്ള അറിവു വാക്കുക.

സൈബർ സംസകാരത്തെക്കുറിച്ചും സൈബർസാഹിത്യങ്ങളെക്കുറിച്ചും അറിവുനേടുക. സമൂഹത്തിൽ രൂപപ്പെടുവരുന്ന ഡിജിറ്റൽ അറിവിനെക്കുറിച്ചും വിവാഹസാങ്കേതിക വിദ്യയെക്കുറിച്ചുമുള്ള അവബോധം രൂപപ്പെടുത്തുക.

മലയാളം കമ്പ്യൂട്ടിംഗിലുള്ള പ്രായോഗിക പരിജ്ഞാനം വളർത്തുക.

### യൂണിറ്റ്-1

കമ്പ്യൂട്ടർ സാമാന്യപരിചയം - കമ്പ്യൂട്ടർ സാങ്കേതികവിദ്യയുടെ ചരിത്രാവലോകനം - കമ്പ്യൂട്ടർ തലമുറകൾ - കമ്പ്യൂട്ടർ ഡാറ്റ - ഡാറ്റാബേസ് മാനേജ്മെന്റ് സിസ്റ്റം (സാമാന്യപരിചയം) കമ്പ്യൂട്ടർ ഘടന - ഇൻപുട്ട് യൂണിറ്റ് - ഔട്ട്പുട്ട് യൂണിറ്റ് - പ്രോസസ്സിംഗ് യൂണിറ്റ് - അഭിരുചി അൻ്റ് ലോജിക് സിസ്റ്റം - ഹാർഡ്‌വേർ - സോഫ്റ്റ്‌വേർ - കമ്പ്യൂട്ടർഘടകങ്ങൾ - മെർബോർഡ് - പ്രോസസ്സർ - കീ ബോർഡ് - ഹാർഡ് ഡിസ്ക് - റാം - (സാമാന്യപരിചയം)

### യൂണിറ്റ്-2

കമ്പ്യൂട്ടർ സാഹിത്യം - അൽഗോരിതം - ഫലോ ചാർട്ട് - സിസ്റ്റം സോഫ്റ്റ്‌വെയർ - ആപ്ലിക്കേഷൻ സോഫ്റ്റ്‌വെയർ - സ്വതന്ത്രം എന്ന സങ്കല്പം - വിൻഡോസ് XP, വിൻഡോസ്-7, വിൻഡോസ്-8, ടെക്സ്റ്റ് എഡിറ്റർ - ഡി ടി പി - ഡി ടി പി പാക്കേജ (പ്രൊപ്പ്രൈറ്ററി സോഫ്റ്റ്‌വെയർ & ഫ്രീ സോഫ്റ്റ്‌വെയർ) - ഭാഷാ കമ്പ്യൂട്ടിംഗ് - അതിന്റെ വ്യക്തി - പ്രയോജനങ്ങൾ - കോക്സൻ എൻകോഡിംഗ് - ആസക്ടി, യൂണിക്കോഡ് എൻകോഡിംഗ്

**ശൃംഖല-3**

ആപ്ലിക്കേഷൻ - പരിതം - മലയാളം സ്ക്രീനുകൾ - വളർച്ച - ബ്ലോഗ് സാഹിത്യം - ബ്ലോഗ്, ഒരു മധ്യമ എന്ന നിലയിൽ - വെബ് മാഗസിനുകൾ - ഇ-വാതന - വികിപീഡിയ - വാർഡ്ലാൻഡ് വിജ്ഞാനകോശം - വികിമീഡിയ ഫൗണ്ടേഷൻ - വികിപീഡിയർ - വാൻഡർഗ്രാഫ് - വികിപീഡിയയും ഉപയോക്തൃ സമൂഹത്തിന്റെ മുൻകയ്യും - തിരച്ചോടി - സൈബർ സസകാരം - സൈബർ സാഹിത്യം - പ്രസക്തി - സൈബർ സാസകാരസിദ്ധാന്തങ്ങൾ സാമ്പ്രദായികം - സൈബോർഗുകൾ - സൈബർനെറ്റിക്സ്

**ശൃംഖല-4**

ഫോക്ലോർ 3ന - ഇംഗ്ലീഷ് (ഇംഗ്ലീഷ് ഭാഷയിൽ ടൈപ്പ് ചെയ്യാനുള്ള പരിശീലനം)  
 ഫോക്ലോർ 4 - - മലയാളം (മലയാളഭാഷയിൽ ടൈപ്പ് ചെയ്യാനുള്ള പരിശീലനം)

**സഹായക ഗ്രന്ഥങ്ങൾ**

1. Computers today, - Alexis Leon and Mathews leon, Leon Vikas
2. Learning Computer Fundamentals - Ramesh Bangia, Khanna Book Publishers.
3. Fundamentals of information technology - Alexis & Mathews Leon, Leon Vikas
4. Information technology - Barbara Wilson, The Basics.
5. കമ്പ്യൂട്ടർ ഒരു പഠനം - ഡോ. അച്യുതഗൗർ എസ്. നായർ, കോളോഷ്യാ ഇൻസ്റ്റിറ്റ്യൂട്ട്
6. ഇന്റർനെറ്റ് ഒരു പഠനം - പി. സേത മായവൻ
7. സൈബർ മലയാളം - എഡ്വി. സുനീത ടി.വി, കേരളം
8. ഇന്റർനെറ്റും ഇൻഫർമേഷൻ വിദ്യയും - കെ. രവിദാസ്, ഡോ. ഇക്സനാസ്, ഡി.സി. ബുക്സ്.

### ചോദ്യരീതി

സമയം 2 മണിക്കൂർ

ആകെ 20 മാർക്ക്

- I 250 വാക്കിൽ കവിയാതെ 2 ചോദ്യങ്ങൾ . അതിൽ 1 എണ്ണത്തിന് ഉത്തരമെഴുതുക.  
 $1 \times 6 = 6$  മാർക്ക്
- II 125 വാക്കിൽ കവിയാതെ 4 ചോദ്യങ്ങൾ. അതിൽ 3 എണ്ണത്തിന് ഉത്തരമെഴുതുക.  
 $3 \times 2 = 6$  മാർക്ക്
- III 75 വാക്കിൽ കവിയാതെ 6 ചോദ്യങ്ങൾ. അതിൽ 4 എണ്ണത്തിന് ഉത്തരമെഴുതുക  
 $4 \times 1 = 4$  മാർക്ക്
- IV ഒറ്റവാക്കിൽ ഉത്തരമെഴുതുക 8 ചോദ്യങ്ങൾ  
 $8 \times \frac{1}{2} = 4$  മാർക്ക്

# Certificate

## OF COMPLETION

This certificate is awarded to :

We give this certificate because \_\_\_\_\_ has participated in Add on course on Introduction to Language Computing ( Department of Malayalam ) that we organize.

Head of the Department



Principal

**SREE NARAYANA COLLEGE KANNUR**  
**Affiliated to Kannur University**



**Organised by Department of Zoology**

**CERTIFICATE COURSE-2020-21**

**ESSENTIAL**  
***FIRST AID***  
**TRAINING**

**12 JANUARY, 2021 | 10 AM**

**ONLINE**



**Google Meet**

**COURSE COORDINATOR**  
**DR. PREETHAKUMARI V M**



**CONTACT US**



**9497251867**

**SREE NARAYANA COLLEGE KANNUR**

**DEPARTMENT OF ZOOLOGY**

**SYLLABUS**

**CERTIFICATE COURSE ON ESSENTIAL FIRST AID TRAINING-2020-21**

**Module 1: Introduction to First Aid (2 hours)**

- Definition and importance of first aid
- Legal and ethical considerations
- Basic principles of first aid

**Module 2: Personal Safety and Infection Control (2 hours)**

- Ensuring personal safety
- Use of personal protective equipment (PPE)
- Infection control measures

**Module 3: Primary Assessment (3 hours)**

- Scene assessment
- Assessing responsiveness (AVPU)
- Calling for help

**Module 4: CPR and AED (5 hours)**

- Adult, child, and infant CPR techniques
- Use of Automated External Defibrillator (AED)
- Special considerations (choking, drowning)

**Module 5: Managing Choking (2 hours)**

- Recognizing choking in adults, children, and infants
- Techniques to relieve choking

**Module 6: Wound Care (4 hours)**

- Types of wounds (abrasions, lacerations, punctures)
- Cleaning and dressing wounds
- Managing bleeding (direct pressure, elevation, pressure points)

**Module 7: Burns and Scalds (2 hours)**

- Types of burns (thermal, chemical, electrical)

- First aid treatment for burns
- When to seek medical help

### **Module 8: Fractures and Sprains (3 hours)**

- Recognizing fractures and sprains
- First aid treatment for fractures
- Immobilization techniques

### **Module 9: Medical Emergencies (4 hours)**

- Recognizing signs and symptoms of:
  - Heart attack
  - Stroke
  - Diabetic emergencies
  - Asthma attacks
  - Allergic reactions (anaphylaxis)

### **Module 10: Environmental Emergencies (2 hours)**

- Heat exhaustion and heat stroke
- Hypothermia and frostbite
- Bites and stings

### **Module 11: Special Situations (2 hours)**

- First aid for pregnant women
- Pediatric first aid considerations
- Elderly considerations

### **Module 12: Practical Skills Assessment (2 hours)**

- Hands-on practice of CPR, choking relief, wound care, and other skills
- Skills assessment and feedback

### **Assessment**

- Written exam (multiple choice and short answer)
- Practical skills assessment

### **Certification**

- Participants will receive a certificate of completion upon successfully passing the assessments.

**SREE NARAYANA COLLEGE KANNUR**

**DEPARTMENT OF ZOOLOGY**

**STUDENT ENROLLMENT LIST**

SL.No	Roll No.	Name
1	251	Aardra
2	252	Adidev S Lal
3	253	Aleesha Sajeevan
4	254	Anusree P C
5	255	Arunima K
6	256	Aswana K
7	257	Aswini Praveen Kumar
8	258	Aswitha V
9	259	Diya Sanjeev
10	260	Jyothika G
11	261	Megha Suvarnan K
12	262	Meghna N
13	263	Nandana P P
14	264	Saniya Manoj K
15	265	Saniya N C
17	267	Ajanya K P
18	268	Anurag M P
19	269	Avani K
20	271	Mahika Raveendran
21	272	Nandana P
22	273	Nandana K
24	275	Shalmiya T P
25	276	Shivatheertha S
26	277	Sidharth T
27	278	Sneha M
29	280	Souparnika Shyjan P
30	281	Sredha P
31	282	Vismaya M
32	283	Vismaya Puthiyedath
33	284	Sulthana

# SREE NARAYANA COLLEGE KANNUR



POST GRADUATED DEPARTMENT OF ZOOLOGY

**CERTIFICATE COURSE 2020-21**

## Essential First Aid Training

has successfully completed certificate course on Aquaculture from 09/01/2021 to 20/02/2021. Organized by Post graduate and Research department of Zoology, Sree

Narayana college, kannur.

Principal



Head of the department

**SREE NARAYANA COLLEGE KANNUR**

**DEPARTMENT OF ZOOLOGY**

**CERTIFICATE COURSE 2020-21**

**ESSENTIAL FIRST AID TRAINING**

**REPORT**

**Date of Training:** 09/01/2021

**Conducted by:** Department of Zoology, Sree Narayana College, Kannur

**Mode:** Online

**Total Enrolled Students:** 33

**Course Coordinator:** Dr. Preethakumari V. M.

On January 9, 2021, the Department of Zoology at Sree Narayana College, Kannur, successfully conducted an online Certificate Course in Essential First Aid Training. The course aimed to equip participants with critical first aid skills and knowledge necessary for responding effectively to emergencies.