



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 ☎ 0497 - 2731085

🌐 www.sncollegekannur.ac.in



1.2 Academic Flexibility

1.2.1 Add on /Certificate/Value added programs

2019-20

SREE NARAYANA COLLEGE, KANNUR

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

MEDICINAL PLANTS

Medicinal plants are natural sources of therapeutic compounds that have been used for centuries to promote health and to treat various ailments.

Eligibility: Plus Two with Science

Period of Course: Aug. 10 to Nov. 09, 2019

For more details contact: Dr. Aparna P. Ph: 98467 70151



SREE NARAYANA COLLEGE, KANNUR

DEPARTMENT OF BOTANY

CERTIFICATE COURSE: 2019-2020

MEDICINAL PLANTS

Syllabus

Course Duration: 30 Hours

Module I 4 Hours

Ethnobotany- definition, history, scope and importance. Ethnobotany as an Interdisciplinary Science.

Module II 7 Hours

Definition of culture and lifestyle. Effect of rising civilization and modernization on lifestyle and culture. Ethnic Groups and Ethnobotanical Studies- different Ethnic and Tribal groups of India and their role in ethnobotanical study - locality, culture, and speciality. Major tribes of south India and regional ethnobotanical studies. Effect of climate change on ethnic population.

Practicals

Study on ethnobotany in contemporary scenario

Module IV 6 Hours

Ethnobotany in practise- traditional healthcare practices. Use of plants in traditional healthcare practices. systems of indigenous medicine. History of use of traditional herbal medicines. Indian traditional medicine. Importance of Traditional medicinal knowledge.

Practicals

Identification and documentation of some medicinal plants in a locality

Module V 6 Hours

General account on the cultivation of medicinal plants – *Curcuma*, Ginger, *Allium cepa*, *Asparagus*, *Hemidesmis*, *Acorus calamus*, *Adhathoda*, *Catharanthus roseus*, *Phyllanthus amarus*, *Centella asiatica*, *Aloe vera*. Concept of endemism.

Brief account on major ayurvedic preparations- Kashayams, Arishtas, Lehyams, Lepanams, Choornam, Gulika, Vatakas.

Module VI 3 Hours

Phytopharmaceutical drugs (Alkaloids, Coumarins, Volatile oils, Tannin, Resins and gums) and phytopesticides (pesticides and antibiotics). Phytochemicals and Modern Medicines.

Module VII 4 Hours

Conservation- Natural resources and their conservation. Preservation of undocumented traditional knowledge and herbal plants - role of PBR. IUCN and Ethnobotanical Species.

Sacred Groves and Community protocol. Importance of sacred groves. Threats to Sacred Groves. Spiritual plant species. Status of sacred groves in Kerala.

Practicals


Visit to a sacred grove and document on its species richness and analyse its history and how people's life is connected with it

References

- A manual of Ethnobotany by S.K Jain, published by Scientific publishers Jodhpur.
- Ethnobotany by Vinay Sharma & Afroz Alam published by Rastogi publication, Meerut
- Compendium of Indian Folk Medicine and Ethnobotany Vartika Jain and S K Jain, 2016. Deep Publications, New Delhi, India.
- Cunningham, A.B., 2001. Applied Ethnobotany: People, Wild Plant Use and Conservation.
- Martin, G.J., 1995. Ethnobotany: A Methods Manual. Chapman Hall.
- Schmidt, B.M., Cheng, D.M.K. (Eds.), 2017. Ethnobotany: A Phytochemical Perspective. John Wiley & Sons Ltd. Chichester, UK.
- Jain, S. K. (1986). Ethnobotany. Interdisciplinary Science Reviews, 11(3), 285-292.
- Maheshwary J K2000. Ethnobotany and medicinalplants of Indian subcontinent. Scientific publishers
- Pankaj Taneja. Principles and Practise of Ayurvedic Medicines
- Jain S K. 1981. Glimpse of Indian Ethnobotany. Oxfors and IBH New Delhi.

SREE NARAYANA COLLEGE, KANNUR
DEPARTMENT OF BOTANY
CERTIFICATE COURSE: MEDICINAL PLANTS
COURSE PERIOD: 2019-20
COURSE COMPLETED STUDENTS

Sl.	NAME OF THE STUDENTS	REG. NO.	SIGNATURE
1	NIVYA C	SN17CBOR09	Nivya
2	AKSHAYA P	SN17CBOR20	Akshaya
3	ARSHA T K	SN17CBOR24	Arsha
4	MEGHA MANJIMA K	SN17CBOR27	Megha
5	ADRIKA JAGADEESHAN M K	SN18CBOR01	Adrika
6	ANAGHA K V	SN18CBOR04	Anagha
7	MEGHA M	SN18CBOR09	Megha
8	SAGARIKA E	SN18CBOR12	Sagarika
9	SUBHA P	SN18CBOR14	Subha
10	ABHINAV T	SN18CBOR17	Abhinav
11	ATHUL RAJ	SN18CBOR18	Athul
12	DEVIKA K V	SN18CBOR24	Devika
13	THEERTHA V	SN18CBOR29	Theertha
14	VIJINA A	SN18CBOR30	Vijina
15	VISMAYA VINOD C V	SN18CBOR32	Vismaya
16	AKSHAY P V	SN18CBOR35	Akshay
17	ABHINA K	SN18CZOR01	Abhina
18	APARNA DINESH	SN18CZOR04	Aparna
19	RUPRIYA PRAKASH BABU	SN18CZOR08	Rupriya
20	SANDRA K	SN18CZOR09	Sandra
21	VARSHA ANEESH	SN18CZOR13	Varsha
22	ATHIRA K	SN18CZOR19	Athira
23	ATHULYA K	SN18CZOR20	Athulya
24	NAJIYA T P	SN18CZOR27	Najiya
25	NEEHARA MURALI	SN18CZOR28	Nehara
26	SHYAMILY A	SN18CZOR31	Shyamily
27	RITHIN K R	SN18CZOR35	Rithin
28	AISWARYA RAJAN V P	SN18CBOR02	Aiswarya
29	MAYURA N	SN18CBOR08	Mayura
30	ANJANA K	SN18CBOR21	Anjana
31	ARMIKA K	SN18CBOR23	Armiika
32	SILPA DAS	SN18CBOR31	Silpa
33	KIRAN VYSHNAV E	SN18CBOR35	Kiran
34	ARSHA T K	SN18CBOR24	Arsha


05/12/2019

HOD, Department of Botany

SREE NARAYANA COLLEGE, KANNUR
DEPARTMENT OF BOTANY
CERTIFICATE COURSE: MEDICINAL PLANTS
COURSE PERIOD: 2019-20
STUDENTS ENROLLED

Sl.	NAME OF THE STUDENTS	REG. NO.	SIGNATURE
1	NIVYA C	SN17CBOR09	<i>Nivya</i>
2	AKSHAYA P	SN17CBOR20	<i>Akshaya</i>
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4	MEGHA MANJIMA K	SN17CBOR27	<i>Megha</i>
5	ADRIKA JAGADEESHAN M K	SN18CBOR01	<i>Adrika</i>
6	ANAGHA K V	SN18CBOR04	<i>Anagha</i>
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9	SUBHA P	SN18CBOR14	<i>Subha</i>
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16	AKSHAY P V	SN18CBOR35	<i>Akshay</i>
17	ABHINA K	SN18CZOR01	<i>Abhina</i>
18	APARNA DINESH	SN18CZOR04	<i>Aparna</i>
19	RUPRIYA PRAKASH BABU	SN18CZOR08	<i>Rupriya</i>
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22	ATHIRA K	SN18CZOR19	<i>Athira</i>
23	ATHULYA K	SN18CZOR20	<i>Athulya</i>
24	NAJIYA T P	SN18CZOR27	<i>Najiya</i>
25	NEEHARA MURALI	SN18CZOR28	<i>Neehara</i>
26	SHYAMILY A	SN18CZOR31	<i>Shyamalya</i>
27	RITHIN K R	SN18CZOR35	<i>Rithin</i>
28	AISWARYA RAJAN V P	SN18CBOR02	<i>Aiswarya</i>
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30	ANJANA K	SN18CBOR21	<i>Anjana</i>
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32	SILPA DAS	SN18CBOR31	<i>Silpa</i>
33	KIRAN VYSHNAV E	SN18CBOR35	<i>Kiran</i>
34	ARSHA T K	SN18CBOR24	<i>Arsha</i>

[Signature]
12/08/2019

HOD, Department of Botany



SREE NARAYANA COLLEGE, KANNUR

**CERTIFICATE
OF COMPLETION**

This is to certify that

MS. MEGHA MANJIMA K.

has completed the Certificate Course on 'Medicinal Plants',
conducted by the Department of Botany,
Sree Narayana College, Kannur, during the year 2019-20.

January 18, 2020

Dr. Aparna P.,
HOD, Department of Botany

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Online Certificate course @2020

“ Pandemic - Covid 19: Awareness and Control”

Sl. No.	Content
1.	Notice
2.	Board of Studies
3.	Syllabus
4.	Instructions
5	Course details
6.	Report
7	Certificate



COVID-19

STOP VIRUS

Online Certificate Course

"PANDEMIC – COVID 19: AWARENESS AND CONTROL"

ORGANIZED BY

**Department of Chemistry &
Internal Quality Assurance cell**

Sree Narayana College, Kannur

For Registration: Follow the link or scan the QR code

<https://docs.google.com/forms/d/1bXSAMH-G1srWVViyCJDljp3G96QIKykJv7LIIFwSuks/edit>



Instructions:

Two week certificate programme-UG and PG students can enroll.

Online Certificate Course

“Pandemic-Covid 19: Awareness and Control”

Department of Chemistry & Internal Quality Assurance cell

Sree Narayana College, Kannur



Board of Studies Members:

1. Dr. Sivadasan Thirumangalath: Principal, SN College Kannur
2. Dr. Ajayakumar: Syndicate Member Kannur University
3. Dr. Anitha P. K: H. O. D. Chemistry, IQAC Co-ordinator (*Chairman*)
4. Mr. Jithesh. K: Assistant Professor, SN College Kannur (*Co-ordinator*)
5. Dr. Jitha Kunhikrishnan: Assistant Professor, SN College Kannur
6. Mrs. Aparna.N: Assistant Professor, SN College Kannur
7. Dr. Vinisha Valsaraj. P: Assistant Professor, SN College Kannur
8. Mrs. Sreya. P: Assistant Professor, SN College Kannur
9. Mrs. Geethadevi: Assistant Professor, SN College Kannur
10. Mrs. Sumitha Chandran, Assistant Professor, SN College Kannur
11. Dr. Praveen Prakash: Assistant Professor, SN College Kollam
12. Dr. Sreejith. K: Health Inspector, Arikkulam, Koyilandy
13. Dr. Lekha Anilkumar: Head Proteomics & Cell biology, Dubaiomics FZ LLC, Dubai

Online Certificate Course
Pandemics Covid-19: Awareness and Control
Syllabus

Course Objectives:

Total hours: 28 hrs

1. To understand the current pandemic Covid-19 situation.
2. To understand the structure and spreading of Covid-19.
3. To describe personal hygiene as a critical component of infection prevention.

Module-1 (Week 1)

WHO-Defintion of Health, Epidemic and Pandemic, Criteria to be called as Pandemic Diseases, Pandemics by Bacteria-Plague, Cholera. Pandemics by Virus- Small pox (first virus epidemic to be ended by a vaccine), HIV, Nipah, Ebola, Zika, Spanish flu, H1N1, Corona virus. Difference between bacteria and virus. Brief history of various pandemics reported.

Module-2 (Week 2)

Introduction about viruses, Facts about Covid-19, Structure and replication of Covid-19 virus. Control and management of Covid-19: Epidemic diseases act 1897, Hand sanitisation methods-how to hand wash and hand rub, Science behind antiviral activity of soaps and sanitisers. WHO recommended Preparation of hand sanitizers. Lock down and Quarantine. Prevention methods-lock down and quarantine. Detection methods-Antigen, antibodies based rapid test, RTPCR test. Why it is taking so long to develop a vaccine for the new corona virus ?.

Online Certificate Course
"Pandemic-Covid 19: Awareness and Control"
Department of Chemistry&Internal Quality Assurance cell
Sree Narayana College, Kannur

Dear Student



You are welcome to the two weeks online certificate course on "Pandemic-Covid19: Awareness and control" conducted by The Post Graduate and Research Department of Chemistry, S N College, Kannur.

Instructions

The platform for the course is google classroom and the link for joining the classroom will be provided via email.

Assignments/ announcements will be posted every day in the google classroom. Read the lesson materials posted and answer the multiple choice questions (Quiz) that will be posted on alternate days.

Date of Commencement of the course: 8-5-2020

Date of Completion: 21-5-2020

e-certificate will be issued to the successful candidates based on the performance in the Quiz.

Thank you

Online Certificate Course @ 2.

"Pandemic-Covid 19: Awareness and Control"



New assignment: Final Quiz

May 24, 2020

0 class comments



New material: Rapid test

May 22, 2020

0 class comments



New material: RTPCR

May 21, 2020

0 class comments



New material: Preventive Measures

May 19, 2020

1 class comment



New material: Hand sanitizer preparation

May 17, 2020

0 class comments



New material: Antiviral action of soap

May 16, 2020

1. WHO definition of Health

Head Quarters of WHO: GENEVA, Director General: Tedros Adhanom

Health is a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity.



Difference between Epidemic and Pandemic

Epidemics vs. Pandemics



Epidemic

- Event in which a disease is actively spreading
- Often used to describe problem that has grown out of control



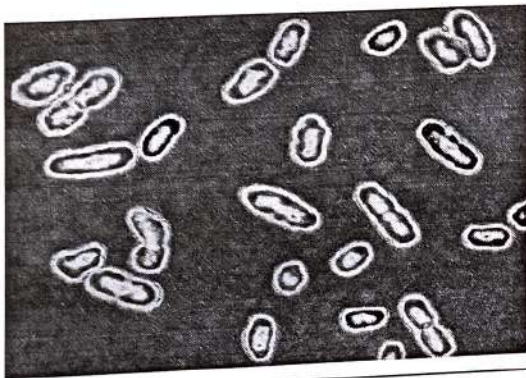
Pandemic

- Relates to geographic spread
- Describes disease that affects a whole country or the entire world

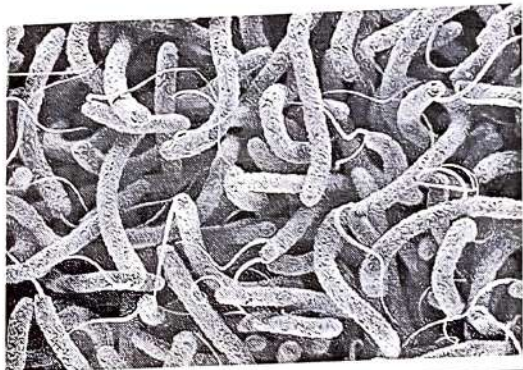
An **epidemic** is the rapid spread of disease to a large number of people in a given population within a short period of time.

A **pandemic** is a disease outbreak that spreads across countries or continents. It affects more people and takes more lives than an epidemic. The World Health Organization (WHO) declared COVID-19 to be a pandemic when it became clear that the illness was severe and that it was spreading quickly over a wide area.

Pandemics by Bacteria-Plague, Cholera



Yersinia pestis, the bacterium that causes Plague.



Vibrio cholerae, the bacterium that causes cholera.

Pandemics by Viruses

Small Pox, HIV, Zika, Nipah, Ebola, Spanish flu, H1N1, Covid-19, etc.

Invention of first Vaccine

The smallpox vaccine was the first vaccine to be developed against a contagious disease. In 1796, the **British doctor Edward Jenner** demonstrated that an infection with the relatively mild cowpox virus conferred immunity against the deadly smallpox virus. Cowpox served as a natural vaccine until the modern smallpox vaccine emerged in the 19th century.



Online Certificate Course
Department of Chemistry&IQAC
Sree Narayana College, Kannur

A brief history of pandemic

Year(s)	Disease	Geography	Deaths
1899-23	Cholera (6 th)	Europe, Asia, Africa	80,000
1910-12	China Bubonic Plague	China	40,000
1918-20	Spanish Flu	Worldwide	50,000,000+
1957-58	Asian Flu	Worldwide	2,000,000
1968-69	Hong Kong Flu	Worldwide	1,000,000
1960-	HIV/AIDS	Worldwide	30,000,000
2002-04	SARS [Coronavirus]	Asia, Canada	<1,000
2009	Flu Pandemic	Worldwide	203,000
2019	Coronavirus (COVID-19)	Worldwide	>3,000

SOURCE: Ruthven Institute 03/03/2020



On March 11, 2020, the World Health Organization characterized the new coronavirus (COVID-19) as a pandemic.

Difference between virus and bacteria:

Although bacteria and viruses are both too small to be seen without a microscope, they are as different as giraffes and goldfish.

The word *virus* entered English around 1590–1600. It comes directly from the Latin *vīrus*, meaning “slime, poison.”

Viruses are tinier than bacteria. In fact, the largest virus is smaller than the smallest bacterium. *Virus*, explained in everyday words, is an extremely tiny particle that causes an infectious disease. It is generally made up of some RNA or DNA coated in protein. It can only multiply in the cell of hosts that are alive. Without cells, viruses would not be able to multiply. That means, **technically, viruses are not themselves living.**

Bacteria are relatively complex, single-celled creatures, many with a rigid wall, and a thin, rubbery membrane surrounding the fluid inside the cell. They can reproduce on their own. Fossilized records show that bacteria have existed for about 3.5 billion years, and bacteria can survive in different environments, including extreme heat and cold, radioactive waste, and the human body.

Most bacteria are harmless, and some actually help by digesting food, destroying disease-causing microbes, fighting cancer cells, and providing essential nutrients. Fewer than 1% of bacteria cause diseases in people. Also unlike bacteria, **most viruses causes disease**, and they're quite specific about the cells they attack. For example, certain viruses attack cells in the liver, respiratory system, or blood. In some cases, viruses target bacteria

Similar to bacteria, viruses spread when they come in contact with the host. Once you've come into contact with a virus, it attacks healthy cells in your body, taking them over to reproduce and spread throughout your body. However,

your immune system attacks most harmful viruses before they can make an impact. Whereas bacterial infections are usually limited to one area of the body like an ear infection or strep throat viral infections tend to spread more easily and affect the whole body. Despite their differences, bacteria and viruses are both susceptible to hand soap and sanitizer.

There are many types of antibiotics, but they all work to keep bacteria from effectively growing and dividing. They are not effective against viral infections. There is no specific treatment for many viral infections. Treatment is typically focused on relieving symptoms, while your body works to clear the infection. **Vaccination is the primary way to prevent viral infections; however, antivirals have been engineered that can treat some viral infections**, such as Hepatitis C or HIV. Antivirals are not effective against bacteria. Antibiotics medications that stop or slow the spread of bacteria can be used to treat bacterial infections. **Viruses cannot be treated with antibiotics.** However, some viral illnesses can be treated with an antiviral medication. These medications are designed to fight a specific virus by interrupting its ability to regenerate or invade healthy cells

Why it is taking so long to develop a vaccine for the new corona virus?



Developing a vaccine is a huge task and not something that can happen overnight

Here are some of the challenges we face:

- First, we have to understand the virus's characteristics and behaviour in the host (humans). To do this, we must first develop an animal model.
- Next, we have demonstrated that potential vaccines are safe and can trigger the right parts of the body's immunity, without causing damage. Then we can begin pre-clinical animal testing of potential vaccines, using the animal model.
- Vaccines that successfully pass pre-clinical testing can then be used by other institutions with the capacity to run human trials.
- Another challenge is manufacturing proteins from the virus needed to develop potential vaccine
- Main challenge in Covid-19 is that there is a strong possibility that the virus will continue to mutate (changing its characteristic gene structure) .This mutation process may even vary in different parts of the world. Therefore, it's crucial and we have to work with one of the latest versions of the virus to get an effective vaccine.



Post Graduate & Research Department of Chemistry

Sree Narayana College, Kannur

NAAC Reaccredited with A grade

Certificate of Completion


Awarded to

{{Full Name}}

For successfully completing the online certificate course " Pandemic-Covid 19; Control and Awareness " conducted by Post Graduate and Research Department of Chemistry, and Internal Quality Assurance Cell, Sree Narayana College, Kannur, from 8.5.2020 to 22.5.2020

H. O. D. Chemistry




Principal
Sree Narayana College, Kannur

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Online Certificate course @2020

“ Pandemic - Covid 19: Awareness and Control”

Report

Conducted Online certificate Course in association with IQAC on “Pandemic – Covid19: Awareness and control” from 8.5.2020 to 22.05.2020. More than 250 students of our college enrolled for the programme. Certificates were issued to students who successfully completed the course. Syllabus, study materials and assignments were uploaded daily in google classrooms. Dr. Jithesh K was the coordinator of the programme



ONLINE CERTIFICATE COURSE

FINANCIAL SERVICES

Organized by
PG AND RESEARCH DEPARTMENT OF COMMERCE
INTERNAL QUALITY ASSURANCE CELL
SREE NARAYANA COLLEGE KANNUR



Undergraduate students who are interested can register by scanning the QR code.



For More Details, Contact:
Dr. Amutha R, HoD and Course Coordinator

Syllabus for the Course:
FINANCIAL MARKETS AND SERVICES

Course Duration: 30 Hours

Modules: 3

Module 1: Introduction to Financial Markets (10 Hours)

1.1 Overview of Financial Markets

- Definition and Types of Financial Markets (Capital Market, Money Market, Derivatives Market, etc.)
- Role and Importance of Financial Markets in the Economy
- Financial Market Participants: Investors, Issuers, Intermediaries

1.2 Regulatory Framework

- Role of Regulatory Bodies (e.g., SEC, SEBI)
- Key Regulations Governing Financial Markets

1.3 Primary and Secondary Markets

- Initial Public Offerings (IPOs) and Follow-on Public Offerings (FPOs)
- Stock Exchanges and Their Functions
- Trading Mechanisms and Settlement Processes

1.4 Market Instruments

- Equity, Debt Instruments, Derivatives, and Mutual Funds
 - Government Securities and Corporate Bonds
-

Module 2: Financial Services (10 Hours)

2.1 Introduction to Financial Services

- Definition and Scope of Financial Services
- Types of Financial Services: Banking, Insurance, Asset Management, etc.

2.2 Banking Services

- Role of Commercial Banks, Investment Banks, and Development Banks
- Banking Products: Loans, Deposits, Credit Cards, and Payment Services

2.3 Insurance Services

- Types of Insurance: Life, Health, Property, and Casualty
- Principles of Insurance and Risk Management
- Insurance Products and Underwriting Process

2.4 Asset Management

- Types of Mutual Funds and Their Features
- Portfolio Management and Investment Strategies

2.5 Other Financial Services

- Leasing and Hire Purchase
 - Venture Capital and Private Equity
 - Factoring and Forfaiting
-

Module 3: Emerging Trends in Financial Markets and Services (10 Hours)

3.1 Technological Innovations

- Impact of Fintech on Financial Markets and Services
- Digital Payments and E-Wallets

3.2 Globalization of Financial Markets

- Cross-Border Investments and Capital Flows
- Role of International Financial Institutions (IMF, World Bank)
- Impact of Global Economic Events on Financial Markets

3.3 Risk Management and Compliance

- Understanding Market Risks: Credit Risk, Interest Rate Risk, Liquidity Risk
- Regulatory Compliance and Anti-Money Laundering (AML)
- Corporate Governance and Ethical Practices in Financial Services

3.4 Future of Financial Markets and Services

- Trends in Digital Transformation
- Regulatory Challenges and Opportunities

Syllabus for the Course:

PG AND RESEARCH DEPARTMENT OF COMMERCE
ADD-ON CERTIFICATE COURSE
FINANCIAL MARKETS AND SERVICES
DETAILS OF ENROLLED STUDENTS

SL NO.	NAME OF THE STUDENT
1	ABHIRAM K
2	ADISHA ASHOKAN
3	ADITHYA K
4	ADWAITH E P
5	AKHILA NARAYANAN
6	ANAGHA P. C
7	ANARGHA DEVADAS.V.P
8	ANJANA SATHEESAN
9	ANUGRAHA SUDHEER
10	ATHULYAA
11	CHERUMANALIL ASHWATI SHIVANANDAN
12	DEVIKA SATHYAPAL
13	GANGA EDAKKANAMBETH
14	GOPIKA RUPESH
15	GREESHMA M. V
16	HIRAN KUMAR T P
17	HRIDHYA HARI E
18	KEERTHANA SAJEEVAN
19	KRIPA P B
20	MALAVIKA ANISH P
21	NIDERSHANA V V
22	NIVYA.M
23	RAMDAS A SHENOY
24	SANDRA RAJ M V
25	SHARMINA SHARIN.M.P
26	SHAZINA R M
27	SHIKHIL SAJEENDRAN K P
28	SHREE GANESH.K.
29	THEERTHA P
30	VIGNESH SUDHIR
31	KARTHIK ANIL
32	NEHA PRASAD
33	ANNA DEVADAS
34	HASHIR AHAMMED
35	SRUTHI K
36	ROHIN R
37	AMAL P
38	ANAGHA C
39	ATHIRA V

40	ARSHA DILEEP
41	SANJANA M
42	SHYAMJITH. A
43	ANUSHA M V
44	AISWARYA N V
45	VINAYA VINOD
46	MALAVIKA K
47	NITHASHA .K
48	ANUSREE O V
49	ARSHIKA T
50	ARYA P
51	SUSHIL K
52	VAISHNAV C
53	ADITHYA A
54	AHALYA.V. V
55	AKSHARA A V



PG AND RESEARCH
DEPARTMENT OF COMMERCE
SREE NARAYANA COLLEGE, KANNUR

Certificate

OF COMPLETION

PROUDLY PRESENTED TO

{{ Full Name }}

For Successfully Completing the 30-Hour Add-on Course on
"FINANCIAL SERVICES"
Conducted by the PG and Research Department of Commerce and
Internal Quality Assurance Cell, Sree Narayana College, Kannur,
from June 2019 to March 2020
with A+ Grade

HOD, COMMERCE

PRINCIPAL



DATE



Sree Narayana College, Kannur

NAAC Re-accredited with A Grade, CGPA: 3.04

DEPARTMENT OF ECONOMICS IN ASSOCIATION WITH IQAC

ADD-ON COURSE 2019

COMPUTER APPLICATIONS IN ECONOMICS

TOPICS COVERED

- ✓ Technology in Modern Economics
- ✓ Data and Databases
- ✓ Basics of Excel and Google Sheets
- ✓ Data Analysis in Economics using Statistical Software



**POST GRADUATE DEPARTMENT OF ECONOMICS, S.N. COLLEGE,
KANNUR**

ADD ON COURSE- BASIC COMPUTER APPLICATIONS IN ECONOMICS

(2019-20)

Syllabus with course outcomes and modules

Course outcome:

With the completion of this course the students will be able to,

- Identify the basic concepts and importance of computer application in Economics.
- Assess the various computer application programmes.
- Understand the various types of data analysis techniques used in Economics.
- Identify the various uses of computer applications in Economics.

Assessment and Evaluation pattern


Mode of Assessment: Course and Examination

Total Marks: 50

Practical: 10 marks

Theory: 40 marks

Name and signature of Course Co-ordinator

Dr. Rajeev. M 

Name and signature of H.O.D


Dr. T.O. JAYASREE
ASSOCIATE PROFESSOR
DEPARTMENT OF ECONOMICS
SREE NARAYANA COLLEGE
P. O. THOTTADA, KANNUR-670007



Course Title: **BASIC COMPUTER APPLICATIONS IN ECONOMICS**

Course Category: **ADD ON COURSE**

Contact Hours: 30

Course Content

Module 1 Introduction to Computers

Definition- Evolution of Computers- Computer Generations- Micro Computers- Structure of Computer- Basic components of Computer- Central Processing Unit (CPU)- Operating Systems- Window Operating System- Salient features- Merits of Window Operating System- Accessories- System tools- Scan Disk- Word Pad- Note Pad- Paint- Imagination- Windows Explorer- Ms-word creating- Opening and saving files- Editing and formatting text- Spell and Grammer check- Auto correct- Creatin of tables and volumes
(15 Hours)

Module II Computer applications in Economics

Computer applications- Elementary calculations- Measures of Central tendency and dispersion- Forms of presentations of data: Trend line, charts and graphs- Estimation of Growth rate- Estimation of single and multiple regression equations- Using of EXCEL and SPSS for computation and estimation.
(15 Hours)

References

1. Sinha.P.K, Computer Fundamentals, BPB Publications, New Delhi.
2. Raja Raman.V, Fundamentals of Computers, PHI, New Delhi.
3. Kerns, Essentials of Microsoft Windows, Word and Excel, PHI
4. Alexis Leon & Mathews Leon, Introduction to Computers with Ms-Office, TMH.
5. Asthana & Braj Bhushan, Statistics for Social Sciences with SPSS Applications, PHI.



2019-20
2019-20

P.G. DEPARTMENT OF ECONOMICS
ADD ON COURSE

Course title:- BASIC COMPUTER APPLICATIONS IN ECONOMICS

19/6/19 26/6 3/7 10/7 17/7 24/7 31/8

Sl. No.	Name	Class	19/6/19	26/6	3/7	10/7	17/7	24/7	31/8
1	APEELA.K.P	III BA.	X	X	X	✓	X	a	X
2	ANDANA DINESHON-C	"	X	X	X	X	X	X	a
3	AVISHNA.M	"	X	X	X	X	X	X	X
4	GOPIKA.C	"	X	X	X	✓	X	X	a
5	RUSMINA.M.K	"	X	X	X	a	X	X	X
6	SONA.P.P	"	X	a	X	✓	X	X	X
7	ARUNA PALOT		X	X	X	✓	X	X	X
8	FATHIMATHUL FIDHA		X	X	X	X	X	X	X
9	SISILA.K.K		X	X	X	✓	X	X	X
10	MUHAMMAD ASLH		X	X	X	X	a	X	a
11	DEJINA.		a	X	X	✓	X	X	X
12	ATHIRA.U.V		X	X	X	✓	X	X	X
13	ANALHA.N.V		X	X	X	✓	X	X	X
14	KISWARYA.T		X	X	X	X	X	a	X
15	RAHUL.M.V		X	X	X	X	X	X	X
16	SANDRA.P		X	X	X	X	X	X	X
17	SADITHA.C	"	X	X	a	X	X	X	X
18	ARYA VINOD	I BA	X	X	X	X	X	X	X
19	ATHULYA.K	"	X	X	X	X	X	X	a
20	SAFA.K	"	X	X	X	X	X	X	X
21	SREERAG.K	"	a	X	X	X	X	X	X
22	ABHISHA.A		X	X	X	X	X	X	X
23	ANUSREE.P		X	X	X	X	X	X	X
24	DISHANU.P.V		X	X	X	X	X	X	X
25	NAKUL.S		X	X	X	X	X	X	X
26	NEETHAL.K		X	X	X	X	X	X	X
27	NIKHITHA.M.V		X	X	X	X	X	X	X
28	SAYANA.K.V		X	X	X	X	X	a	X
29	SREKUNIDHI.P		X	X	X	X	X	X	X
30	SANDRA.ok		X	X	X	X	a	X	X
31	KIKARSHA.V.V	II BA	X	X	X	✓	X	X	a
32	ANUSREE.A		X	a	a	X	X	X	X
33	BABITHA.V.C		X	X	X	✓	X	X	X
34	SRADHA RAJAN		X	X	X	✓	X	X	X
35	AMALRAJ.C		a	X	X	✓	X	X	X
36	AMAYA.A.k		X	X	X	✓	X	X	a

S/No	NAME	class	19/6	20/6	21/6	10/7	17/7	24/7	31/7
37	ANUPRIYA-C		X	X	X	X	X	X	X
38	APARNA PRADIP. PV		X	X	X	X	X	X	X
39	DILSHANA-K		X	X	X	X	X	X	X
40	HARSHA HAREENDRAN		X	X	X	X	X	a	X
41	HARSHA TILAKA-		X	X	a	X	X	X	X
42	KRISHNA BABU.M		X	X	X	X	X	X	X
43	NIVEDYA. Ie		X	X	X	X	X	X	a
44	KOOPASREE. I K		X	X	X	X	X	X	X
45	SAYANA. A		X	X	X	X	X	X	X
46	ASWATHI. T-K		X	X	X	X	X	X	X
47	RAKESH. K		a	X	X	X	a	X	X
48	MRIDHA UMESH		X	X	X	X	X	X	X
49	JINISHA. V		X	X	X	X	X	X	X
50	ATHUL KRISHNAN		X	X	X	X	X	X	a
51	NOORUL HUDA	I SA	X	X	X	X	X	X	X
52	HARSHITHA. A	"	X	X	X	X	X	X	X
53	NAVEENA. S		X	X	X	X	X	X	X
54	UISMAYA. A. V		X	X	X	X	X	X	X
55	ARADHYA RAJEEVAN		X	a	X	X	X	X	X
56	ALGIC. K		X	X	X	X	X	X	a
57	DEEPIKA. IeV		X	X	X	X	X	X	X
58	AKSHARA. IeP		X	X	X	X	X	X	X
59	KAVYA. E		X	X	X	X	X	X	X
60	LASIMA. P.K.		X	X	X	X	X	X	a

[Signature]

HEAD
R.O. DEPARTMENT OF ECONOMICS
SREE NARAYANA COLLEGE
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Name	14/8	21/8	4/9	11/9	18/9	25/9	2/10	9/10	16/10	23/10	30/10	2/11
37 Anupriya . C	x	x	x	x	x	x	x	x	x	x	x	x
38 Aparna Pradeep . P . V	x	x	x	x	x	x	x	x	x	x	x	x
39 Dilsana . P . K	x	x	x	x	x	a	x	x	x	x	x	x
40 Harsha Harendran	a	x	x	x	x	x	x	x	x	x	a	x
41 Harsha Theethan	x	x	x	x	x	x	x	x	x	x	x	x
42 Krishna Babu . M	x	x	x	x	x	x	x	x	x	x	x	x
43 Nivedya . K	x	x	x	x	x	x	x	x	x	x	x	x
44 Roopasree . K	x	x	x	x	x	x	x	x	x	x	x	x
45 Sayana . A	x	x	x	x	x	x	x	x	x	x	x	x
46 Aswathi . P . K	x	x	x	x	x	x	x	x	a	x	x	x
47 Ragesh . K	x	x	x	x	x	x	x	x	x	x	x	a
48 Haridya Umesh	x	x	x	x	x	x	x	x	a	x	x	x
49 Jinisha . V	x	x	x	x	x	x	x	x	x	x	x	x
50 Athul Krishnan	x	x	x	x	x	x	x	x	x	x	x	x
51 Noorul Huda	a	x	x	x	x	a	x	x	x	x	x	x
52 Harshitha . A	x	x	x	x	x	x	x	x	x	x	x	x
53 Naveena . S	x	x	x	x	x	x	x	x	x	x	x	a
54 Vasudha . A . V	x	x	x	x	x	x	x	x	x	x	a	x
55 Asadhya Rajeevan	x	x	x	x	x	x	x	x	x	x	x	a
56 Alekh . K	x	x	x	x	x	x	x	x	x	a	x	x
57 Deepika . K . V	x	x	x	x	x	x	x	x	x	x	x	x
58 Akshata . K . P	x	x	x	x	x	x	x	x	x	x	x	x
59 Kavya . E	x	x	x	x	x	x	x	x	x	x	x	x
60 Sasima . P . K .	a	x	x	x	x	x	x	x	x	a	x	a





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Sl. No.	Name	9/12	10/12	3/1	10/11	12/1	24/1	31/11	3/2	6/2	13/2	20/2
1	Azeela K.P	x	x	x	x	x	x	x	x	x	x	x
2	Anjama Dinesan .c	x	x	x	x	x	x	x	x	x	x	x
3	Avishna .M	x	x	x	x	x	x	x	x	x	x	x
4	Gopika .c	x	x	x	x	a	x	x	a	x	x	x
5	Rusmina .M.K	x	x	x	x	x	x	x	x	x	x	x
6	Sona .P.P	x	a	x	x	x	x	x	x	x	x	x
7	Arsha Dalot	x	a	x	x	x	x	x	x	x	x	x
8	Fathimathul Fidaa	x	x	x	x	x	x	x	x	x	a	x
9	Sisila .k.k	x	x	x	x	x	x	x	x	x	x	x
10	Muhammad Aslali	a	a	x	x	x	x	x	x	x	x	x
11	Dejina	x	x	x	x	x	x	x	x	x	x	x
12	Athira .u.v	x	x	a	x	x	a	x	x	x	x	x
13	Anagha .M.v	x	x	x	x	x	x	x	x	x	x	x
14	Aishwarya .T	x	x	x	x	x	x	x	x	x	x	x
15	Rahul .M.v	x	x	x	a	x	x	x	x	x	x	x
16	Sandra .P	x	a	x	x	x	x	x	x	x	x	x
17	Sajitha .c	x	x	x	x	x	x	x	x	x	x	x
18	Arjya .Vinod	x	x	x	x	x	x	x	x	x	x	x
19	Athulya .k	x	x	x	x	x	x	x	a	x	x	a
20	Safa .k	x	x	x	x	x	x	x	x	x	x	x
21	Sreerag .k	x	x	x	x	x	x	x	x	x	x	x
22	Abisha .A	x	x	x	x	x	x	x	x	x	x	x
23	Anusree .P	a	x	x	x	x	x	x	x	x	x	x
24	Jishnu .P.v	x	x	x	x	x	x	x	x	x	x	x
25	Nakul .s	a	x	x	x	x	x	x	x	x	x	x
26	Neethal .k	x	x	x	x	x	x	x	x	a	x	x
27	Nikitha .M.v	x	x	x	x	x	x	x	x	x	x	x
28	Sayana .k.v	x	x	x	x	x	x	x	x	x	x	x
29	Sreemathi .P	x	x	x	x	x	x	x	x	x	x	x
30	Sandra .P	x	x	x	x	x	x	x	x	x	x	x
31	Akshara .v.v	x	x	x	x	x	x	x	x	x	x	x
32	Anusree .A	x	x	x	x	x	a	x	x	x	x	x
33	Babitha .v.c	x	a	x	x	x	x	x	x	x	x	x
34	Seetha Rajan	x	x	x	x	x	x	x	x	x	x	x
35	Analraj .c	x	x	x	x	x	x	x	x	x	x	x
36	Anraya .A.k	x	x	x	x	x	x	a	x	x	x	x

Sl no	Name	9/12	10/12	3/1	10/1	12/1	24/1	31/1	3/2	6/2	13/2	20/2
37	Amupriya - C	x	x	x	x	x	x	x	9	x	x	x
38	Aparna Pradeep - P. V	x	x	x	x	x	x	x	x	x	x	x
39	Dilsana - P. K	x	x	9	x	x	x	x	x	x	x	x
40	Harsha Hareendran	x	x	x	x	x	9	x	x	x	x	x
41	Harsha Thekkan	x	x	x	x	x	x	x	x	x	x	x
42	Krishna Babu - M	x	x	x	x	x	x	x	x	x	x	x
43	Nivedya - K	x	x	x	x	x	x	x	x	x	x	x
44	Roopasree - K	9	x	x	x	x	x	x	x	x	x	x
45	Sayana - A	x	x	x	x	x	x	x	9	x	x	x
46	Aswathi - G. K	x	x	x	x	x	x	x	x	x	x	x
47	Ragesh - K	x	x	x	x	x	x	x	x	x	x	x
48	Hridya Umesh	x	x	x	x	x	x	x	x	x	x	x
49	Jemisha - V	x	x	x	x	x	x	x	x	x	x	x
50	Athul Krishnan	x	x	x	9	x	x	x	x	x	x	x
51	Noorul Huda	x	x	x	x	x	x	x	x	x	x	x
52	Harshitha - A	x	x	x	x	x	x	x	x	x	x	x
53	Naveena - S	x	x	x	x	x	x	x	x	x	x	x
54	Nismaya - A. V	x	x	x	x	x	x	x	x	x	x	x
55	Aradhya Rajeevan	x	x	x	x	9	x	x	x	x	x	x
56	Alekh - K	x	x	x	x	x	x	x	9	x	x	x
57	Deepika - K. V	x	x	x	x	x	x	x	x	x	x	x
58	Akshara - K. P	x	x	x	x	x	x	x	x	x	x	x
59	Kanya - E	x	x	x	x	x	x	x	x	x	x	x
60	Lasima - P. K	x	x	x	x	x	x	x	x	x	9	x




HEAD
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**ADD-ON COURSE
2019-20**

SREE NARAYANA GURU: IDEOLOGY AND TEACHINGS

Organized by

**DEPARTMENT OF HISTORY
INTERNAL QUALITY ASSURANCE CELL
SREE NARAYANA COLLEGE KANNUR**

മതം ഏതായാലും
മനുഷ്യൻ നന്നായാൽ മതി



“

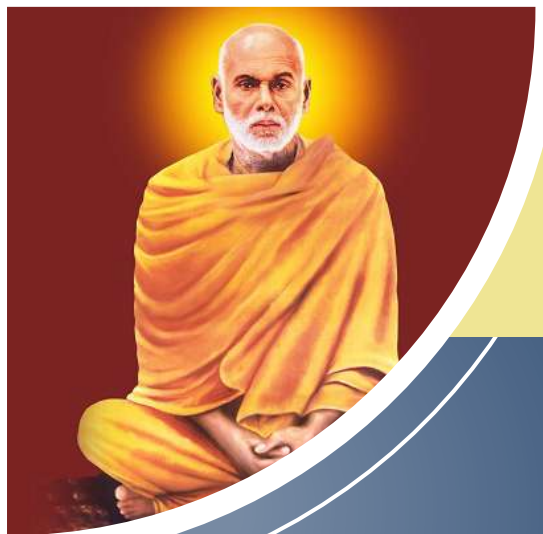
**Become enlightened
through education**

become strengthened through organization
become prosperous, through hard work.

”

Sree Narayana Guru emphasized the importance of education as a means of empowerment.

He encouraged the establishment of schools and educational institutions, particularly for the lower-caste communities.



SREE NARAYANA COLLEGE KANNUR

DEPARTMENT OF HISTORY

Course Title: Sree Narayana Guru: Ideology and Teachings

Course Overview:

Total Hours 30hrs

This course provides a comprehensive exploration of the philosophical teachings of Sree Narayana Guru, a renowned Indian social reformer and spiritual leader. Narayana Guru's teachings emphasized social equality, universal brotherhood, and spiritual enlightenment, influencing Kerala's cultural and religious landscape. This course integrates his metaphysical insights, social ethics, and spiritual practices to foster a deeper understanding of his contributions to modern thought.

Course Objectives:

- To understand the life, philosophy, and social reforms led by Sree Narayana Guru.
- To explore the Guru's metaphysical and ethical teachings.
- To analyse the relevance of Narayana Guru's ideas in the contemporary world.
- To encourage critical reflection on social justice, spirituality, and personal transformation through the Guru's philosophy.

Module 1: Introduction to Sree Narayana Guru's Life and Legacy 10hrs

- Early Life and Influences
- Overview of Narayana Guru's birth and early influences.
- Key events that shaped his worldview.
- Introduction to the socio-political context of 19th and early 20th century Kerala.
- Major Social Reforms
- Narayana Guru's campaigns against caste discrimination.
- Establishment of temples for all castes.
- Contributions to education and empowerment of marginalized communities.

Module 2: Philosophy and Teachings 10hrs

- The Concept of "Oneness" (Advaita)
- Narayana Guru's interpretation of Advaita Vedanta.
- Philosophical significance of "One Caste, One Religion, One God for Humanity."
- His critique of caste and religious orthodoxy.
- Study of Guru's major works: Atmopadesa Satakam and Darshanamala.
- Insights into self-realization, universal consciousness, and the nature of existence.
- The importance of ethical living in Narayana Guru's teachings.
- Relationship between personal enlightenment and social well-being.
- The role of meditation and self-discipline in the pursuit of spiritual growth.

Module 3: Social Philosophy and Reform 10hrs

- Guru's Vision of Equality and Social Justice
- Detailed exploration of Narayana Guru's vision of a caste-less society.
- Analysis of his practical approaches to achieving social justice.

- Guru's philosophy of religious tolerance.
- Relevance of his teachings for interfaith dialogue in modern society.
- Study of key events, such as the consecration of the Aruvippuram Shiva Temple.

References

1. Primary Texts by Sree Narayana Guru

- Atmopadesa Satakam
- Darshanamala
- The Essence of Vedanta

2. Secondary Sources:

- Parameshwaran, P., *Narayana Guru: A Prophet of Renaissance*
- Balakrishnan, PK : *Narayana Guru*
- Natarajaguru, *1. The World of the Guru: Life and Teaching of Narayana Guru ,*
2. The Philosophy of a Guru
- Balachandran, Mangad, *Sree Narayana Guru: The Mystical Life and Teachings*
- Muni Narayana Prasad, *Vedanta Sutra of Narayana Guru*
- Ahammed,Nissar , *Unmayude Idayan*

EVALUATION TYPE

End course exam – 40marks

Internal Assessment – 10 marks (Assignments/Seminars/Discussions/Book Reviews)

499	Shijin Babu K.P												
500	Sneha E.												
501	Soorya A.V.												
502	Sudina K.V												
503	Surabhi C.												
504	Swathi Kayakkal												
505	Uthara K.												
506	Vaishnav C.P												
507	Varsha T.												
508	Vidhulal K.												
509	Vishakh A.K.												
510	Yadul K.												

BA History 2018-21

Certificate Course on Food borne Diseases in the Year 2019-20

SL. No.	Content
1	Brochure
2	Syllabus
3	Objectives and Learning Outcomes
4	Time table
5	Enrollment list
6	Certificate
7	Report

SREE NARAYANA COLLEGE KANNUR

Affiliated to Kannur University

Certificate Course 2019-20 on

Food Borne Disease

*Offered by Post Graduate and Research
Department of Zoology*

*Want to learn some basic facts on food safety and Hygiene and food safety standards????
Like to do some simple tests that will help you to detect the presence of adulterants in food???*
Interested..... Do Join Us.....

Principal
Dr Sivadasan Thirumangalath

Head of the Department
Dr Prasad B O

Staff Coordinator
Ms NithinyaR



SREE NARAYANA COLLEGE, KANNUR

Affiliated to Kannur University



Certificate Course on

Food Borne Diseases

Organized By

Post Graduate Department of Zoology

Course in Charge

Ms. Nithinya R

Course Duration: 03/06/2019 to 19/08/2019

SREE NARAYANA COLLEGE KANNUR
Post Graduate and Research Department of Zoology

Syllabus

Title: Food Borne Diseases

Total Hours: 36

Module 1: Introduction to Foodborne Diseases

- What are Foodborne Diseases?
- Common Causes: Bacteria, Viruses, Parasites, and Chemicals
- Importance of Food Safety
- Impact on Health and Economy

Module 2: Common Foodborne Pathogens

- Bacterial Infections: Salmonella, E. coli, and Listeria
- Viral Infections: Norovirus and Hepatitis A
- Parasites: Giardia and Toxoplasma
- Case Examples of Foodborne Outbreaks

Module 3: Prevention and Control

- Safe Food Handling Practices: Washing, Cooking, and Storing
- Hygiene and Sanitation
- Food Safety Regulations and Standards
- Role of Government and Food Industry in Preventing Outbreaks

Module 4: Outbreak Investigation and Response

- How to Detect and Investigate Foodborne Disease Outbreaks
- Steps to Take During an Outbreak
- Real-Life Case Study: Investigation of a Foodborne Outbreak

Module 5: Consumer Education and Public Health

- Educating the Public on Safe Food Practices
- Role of Public Health Authorities
- Raising Awareness about Foodborne Diseases

SREE NARAYANA COLLEGE KANNUR

Post Graduate and Research Department of Zoology

Certificate course on Food Borne Diseases

Objectives:

The primary objective of this syllabus is to provide students with a comprehensive understanding of food borne diseases, their causes, and the critical importance of food safety. Students will explore common foodborne pathogens, learn prevention and control measures, and understand the role of government and public health authorities in managing food safety. By the end of the course, learners will be equipped to assess and respond to foodborne disease outbreaks and educate the public on safe food practices.

Learning Outcomes:

Upon successful completion of this syllabus, students will be able to:

1. Define foodborne diseases and explain the common causes, including bacteria, viruses, parasites, and chemicals that contaminate food.
2. Explain the significance of food safety and its impact on public health and the economy.
3. Identify common foodborne pathogens, including Salmonella, E. coli, Norovirus, and Giardia, and describe their symptoms, transmission routes, and associated outbreaks.
4. Demonstrate knowledge of safe food handling practices, such as proper washing, cooking, and storage techniques, and the role of hygiene and sanitation in preventing contamination.
5. Describe food safety regulations and standards and evaluate the roles of governments, public health authorities, and the food industry in preventing foodborne disease outbreaks.
6. Investigate foodborne disease outbreaks, detailing the process of detection, investigation, and response, using real-life case studies as examples.
7. Educate consumers and the general public about safe food handling practices and the importance of food safety in reducing the risk of foodborne illnesses.
8. Understand the role of public health authorities in monitoring and managing foodborne disease outbreaks, and advocate for increased awareness and preventive measures.

9. These learning outcomes aim to ensure that students not only understand the technical aspects of foodborne diseases but also appreciate the importance of prevention, regulation, and education in maintaining public health.

Certificate Course on Food Borne Diseases Time table 2019-20

Date	Time	Theory/ Practical	Name of the Teacher
3/6/2019	3.30pm to 4.30	Theory	Dr. Prasad B.O
4/6/2019	3.30pm to 4.30pm	Theory	Dr. Preethakumari.V.M
5/6/2019	3.30pm to 4.30pm	Theory	Dr. Prasad B.O
6/6/2019	3.30pm to 4.30pm	Theory	Ms. Nithinya.R
7/6/2019	3.30pm to 4.30pm	"	Dr. Asha
8/6/2019	10 am to 12 pm	"	Dr. Prasad. B.O
10/6/2019	3.30pm to 4.30pm	"	Dr. Preethakumari.V.M
11/6/2019	3.30pm to 4.30pm	"	Ms. Nithinya.R
12/6/2019	3.30pm to 4.30pm	"	Dr. Jyothi Thilak
13/6/2019	3.30pm to 4.30	"	Dr. Divya S. Rajan
14/6/2019	3.30 to 4.30	"	Dr. Preethakumari
17/6/2019	3.30 to 4.30	"	Dr. Prasad B.O
19/6/2019	3.30 to 4.30	"	Ms. Nithinya.R
20/6/2019	3.30 to 4.30	"	Dr. Divya S Rajan
21/6/2019	3.30 to 4.30	"	Dr. Asha
22/6/2019	10 am to 12 pm	"	Dr. Jyothi Thilak
24/6/2019	3.30pm to 4.30pm	"	Dr. Prasad B.O
25/6/2019	3.30pm to 4.30pm	"	Dr. Preethakumar.V.M
26/6/2019	3.30pm to 4.30pm	"	Dr. Jyothi Thilak
27/6/2019	3.30pm to 4.30pm	"	Dr. Prasad B.O
28/6/2019	3.30pm to 4.30pm	"	Ms. Nithinya.R
29/6/2019	10 to 12 pm	"	Dr. Prasad B.O
1/7/2019	10 to 12 pm	"	Ms Nithinya.R
20/6/2019	10 to 11 pm	"	Dr. Preethakumari.V.M
19/8/2019	10 to 12 am	Examination	Dr. Asha

SL.No	Adm No	Roll No.	Name	
1	60245	1	Anju C	Anju
2	60239	2	Anjusha N.K	Anjusha
3	60162	3	Anusree A.P	Anusree
4	60261	4	Arsha J Prem	Arsha
5	60260	5	Kavya V	Kavya
6	60172	6	Keerthitha T	Keerthitha
7	60169	7	Pratul Pradeep P	Pratul
8	60160	8	Reshma K.M	Reshma
9	60174	9	Sanjana Sukumaran	Sanjana
10	60187	10	Saranya K.V	Saranya
11	60178	11	Shahana L	Shahana
12	60216	12	Sisira C.V	Sisira
13	60186	13	Vismaya C.M	Vismaya
14	58801	251	Abhiram K	Abhiram
15	59309	252	Abhiram T	Abhiram
16	58654	253	Anjana P	Anjana
17	58934	254	Anjima Mahesh	Anjima
18	58809	255	Anusree K.V	Anusree
19	59199	257	Arundhathi Nambiar	Arundhathi
20	59129	258	Arya C.K	Arya
21	58930	259	Athira Chandran	Athira
22	58987	260	Bhavana B. Bhavath	Bhavana
23	58813	261	Harishma K	Harishma
24	58619	262	Kavya K	Kavya
25	59455	263	Krithika K	Krithika
26	58833	264	Megha K	Megha
27	58807	265	Megha Manoharan	Megha
28	59014	275	Harshitha M.P	Harshitha
29	58962	278	Pooja Guril	Pooja Guril
30	58838	279	Rekha mol. P	Rekha



SREE NARAYANA COLLEGE KANNUR

POST GRADUATED AND RESEARCH DEPARTMENT OF ZOOLOGY

This Certifies that

*has successfully completed Certificate course on Food Borne Diseases from
03/06/2019 to 19/08/2019 Organized by Post Graduate and Research department of
Zoology, Sree Narayana College Kannur.*

CERTIFICATE COURSE 2019-20

Head of the Department

Course Coordinator

Principal

Report on the Certificate Course: Food Borne Diseases

Course Title: Certificate Course on Food Borne Diseases

Organized by: Department of Zoology

Duration: 3/06/2019 – 19/08/2019

The Certificate Course on Food Borne Diseases aimed to enhance participants' understanding of the various pathogens responsible for foodborne illnesses, their transmission, prevention, and control measures. The course brought together students, professionals, and enthusiasts from diverse backgrounds, fostering an engaging learning environment. The Certificate Course on Food Borne Diseases was a successful initiative by the Department of Zoology. It not only educated participants on essential food safety practices but also inspired a commitment to public health and safety. Future courses may benefit from incorporating more hands-on training and field visits to enhance practical learning experiences. This report encapsulates the key components and outcomes of the course, reflecting its importance in promoting food safety awareness and education.