



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

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🌐 www.sncollegekannur.ac.in



1.2 Academic Flexibility

1.2.1 Add on /Certificate/Value added programs

2023-24



Sree Narayana college, Kannur

NACC Re- Accredited with A Grade, CGPA : 3.04

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE 2023-24

Basic Computational Skills for Chemistry



Course Co-ordinator

Mrs. Geetha Devi K T
Asst. Professor
Dept. Of chemistry

Register now

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

NOTICE

Date : 23/10/2023

All students of B.Sc and MSc Chemistry are here by informed that Department is organizing a ‘ **Certificate Course on Basic Computational Skills for Chemistry** ’ from Monday 6th November 2023. The interested students can register for the course. For more details contact course co- ordinator Mrs. Geetha devi K T

HOD

Department of Chemistry

Contact: Mrs. Geetha Devi K T
Assistant Professor of Chemistry
Mob :8547102386



SREE NARAYANA COLLEGE, KANNUR

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Certificate Course 2023- 24

Basic Computational skills for Chemistry: CH23- BCSC

Course code: CH23- BCSC

Duration: 25 hours

Course Co-ordinator: Mrs. Geetha devi KT

Objective:

To equip chemistry students with fundamental IT skills necessary for efficient and effective data management, analysis, and presentation in Chemistry related fields.

Learning Outcome:

On successful completion of this course, students should be able to

- Use Microsoft office suit for document creation, data analysis and presentation
- Draw chemical structures and reactions using chemical drawing softwares
- Analyze and visualize data using excel and Google sheet
- Utilize online resources and tools for chemical research

Module 1: Introduction to IT in Chemistry (4 hours)

Overview of IT applications in chemistry, Basic computer hardware and software, Introduction to operating systems (Windows, macOS, Linux)

Module 2: Microsoft Office Suite (8 hours)

Word: document creation, formatting, and editing; Excel: spreadsheet creation, data analysis, and visualization; PowerPoint: presentation creation and design.

Module 3: Chemical Drawing and Modeling (6 hours)

Module 4: Data Analysis and Visualization (6 hours)

Introduction to data analysis software (Excel, Google Sheets), Data visualization techniques (charts, graphs, tables), Basic statistical analysis ,Using online tools for chemical research (Google Scholar, ScienceDirect), Basic web search techniques

Evaluation pattern

Type of questions and marks in the examination

	Total questions	No. Of questions tobe answered	Marks of each questions	Total marks	Practical
Short answer	6	4	2	8	10
Short essay	4	2	3	6	
Essay	2	1	6	6	
				20	
					Total 30

Eligibility for Certificate: Students having a minimum mark of 15 (theory+ practical) is eligible for certificate

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Certificate Course 2023- 24

Basic Computational skills for Chemistry : CH23- BCSC

Time table 2023-24

Time	Monday	Tuesday	Wednesday	Thursday	Friday
Theory 8.45 – 9.45	KTG	MS	PS	AN	KTG
Practical 3.30- 5.00	KTG	MS	PS	KTG	VVP

PS – Mrs. Sreya P

AN - Mrs. Aparna N

KTG – Mrs. Geethadevi K T

VVP – Dr. Vinisha Valsaraj P

M S – Mr. Mahesh S

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Certificate Course 2023- 24

Basic Computational skills for Chemistry : CH23- BCSC

Enrolled Student List

Sl No.	Reg no.	Name
1	CH22CC 01	Abhinraj P P
2	CH22CC 02	Fida Faizal
3	CH22CC 03	Fathimathul Khadeeja Shahama
4	CH22CC 04	Neha M
5	CH22CC 05	Maneesha C
6	CH22CC 06	Sneha T C
7	CH22CC 07	Anaswara k
8	CH22CC 08	Samanya P
9	CH22CC 09	Jinsiya C H
10	CH22CC 10	Hridhya T K
11	CH22CC 11	Aparna V
12	CH22CC 12	Ragapriya A
13	CH22CC 13	Anagha sasi
14	CH22CC 14	Sreelakshmi M
15	CH22CC 15	Aiswarya A
16	CH22CC 16	Adheena K
17	CH22CC 17	Aditya M
18	CH22CC 18	Aiswarya M R
19	CH22CC 19	Amaya vinod M
20	CH22CC 20	Anagha P
21	CH22CC 21	Anaina sudheer
22	CH22CC 22	Anamika k
23	CH22CC 23	Anaswara
24	CH22CC 24	Anjitha sajeevan
25	CH22CC 25	Anupama rajarathnam
26	CH22CC 26	Anusree P
27	CH22CC 27	Anwaya c P
28	CH22CC 28	Archana K
29	CH22CC 29	Aswana N
30	CH22CC 30	Ayush K
31	CH22CC 31	Bhuvana M nambiar
32	CH22CC 32	Chaithra nellikka madappally
33	CH22CC 33	Fathimath shahadiya
34	CH22CC 34	Gadha madhavan
35	CH22CC 35	Ghatha V

36	CH22CC 36	Janya Janardhanan
37	CH22CC 37	Lakshmi Radhakrishnan
38	CH22CC 38	Manjima Manoj
39	CH22CC 39	Nandana Kallakudian
40	CH22CC 40	Navya M
41	CH22CC 41	Navya Raghvan
42	CH22CC 42	Niranjana V
43	CH22CC 43	Reva Prasanth
44	CH22CC 44	Sahal K P
45	CH22CC 45	Lijin K
46	CH22CC 46	Saptha M K
47	CH22CC 47	Sneha Sajeev
48	CH22CC 48	Thrishna K K
49	CH22CC 49	Sudev C
50	CH22CC 50	Sneha O

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY
Basic Computational skills for Chemistry : CH23- BCSC

Certificate Course 2023- 24

Time : 1.5 hrs

Marks: 20

Section A

(Answer any four questions. Each question carries 2 mark)

1. What is the primary functions of MS word in Chemistry
2. What are the benefit of using Excel for data analysis in chemistry
3. Explain the advantages of Google sheet
4. List any two operating systems
5. Name any two soft ware used to draw graphs
6. Which are the parts of a computer (4 x2 =8)

Section B

(Answer any two questions. Each question carries 3marks)

7. Explain the difference between ChemDreaw and Origin
8. List and explain online resourcused for chemical research.
9. Describe the use of data Visualization in Chemistry
10. Explain how a power point presentation can be created (2 x3 = 6)

Section C

(Answer any one question. Each question carries 6 marks)

11. Discuss the role of IT skills in Chemistry research
12. Describe the applications of chemical drawing software in Chemistry (1 x 6= 6)

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Certificate Course 2023- 24

Basic Computational skills for Chemistry: CH23- BCSC

Mark list

Sl No.	Reg no.	Name	Theory (25)	Practical (15)	Total (40)
1	CH22CC 01	Abhinraj P P	18	15	32
2	CH22CC 02	Fida Faizal	25	15	40
3	CH22CC 03	Fathimathul Khadeeja Shahama	25	15	40
4	CH22CC 04	Neha M	22	15	37
5	CH22CC 05	Maneesha C	21	15	36
6	CH22CC 06	Sneha T C	21	15	36
7	CH22CC 07	Anaswara k	20	15	35
8	CH22CC 08	Samanya P	22	15	37
9	CH22CC 09	Jinsiya C H	24	15	39
10	CH22CC 10	Hridhya T K	23	15	38
11	CH22CC 11	Aparna V	21	15	36
12	CH22CC 12	Ragapriya A	22	15	37
13	CH22CC 13	Anagha sasi	24	15	39
14	CH22CC 14	Sreelakshmi M	24	15	39
15	CH22CC 15	Aiswarya A	23	15	38
16	CH22CC 16	Adheena K	24	15	39
17	CH22CC 17	Aditya M	24	15	39
18	CH22CC 18	Aiswarya M R	22	15	37
19	CH22CC 19	Amaya vinod M	21	15	36
20	CH22CC 20	Anagha P	16	15	31
21	CH22CC 21	Anaina sudheer	25	15	40
22	CH22CC 22	Anamika k	24	15	39
23	CH22CC 23	Anaswara	15	15	30
24	CH22CC 24	Anjitha sajeevan	23	15	38
25	CH22CC 25	Anupama rajarathnam	21	15	36
26	CH22CC 26	Anusree P	19	15	34
27	CH22CC 27	Anwaya c P	23	15	38
28	CH22CC 28	Archana K	18	15	33
29	CH22CC 29	Aswana N	24	15	39
30	CH22CC 30	Ayush K	13	15	38
31	CH22CC 31	Bhuvana M nambiar	14	15	29
32	CH22CC 32	Chaithra nellikka madappally	21	15	31
33	CH22CC 33	Fathimath shahadiya	12	15	27
34	CH22CC 34	Gaadha madhavan	18	15	33
35	CH22CC 35	Ghatha V	22	15	37

SREE NARAYANA COLLEGE, KANNUR
PG AND RESEARCH DEPARTMENT OF CHEMISTRY

Certificate Course 2023- 24

**Basic Computational skills for Chemistry: CH23- BCSC
Report**

Conducted certificate Course in association with IQAC on the topic Basic Computational skills for Chemistry from 6.11.2023. The course was designed to address the growing need for IT skills in the Chemistry field. About 54 students of our department enrolled for the programme. The course consisted of 30 hours of instruction, divided into lectures and practical sessions. Participants were assessed through written exams and practical exercises. Certificates were issued to students who successfully completed the course.

Mrs. Geethadevi K T was the coordinator of the programme.



The course successfully equipped participants with basic IT skills necessary for Chemistry related fields.

SREE NARAYANA COLLEGE, KANNUR
Affiliated to Kannur University
Certificate Course 2023-24 on



Writing Skills in English

Offered by the Postgraduate Department of English

Designed to sharpen your writing skills
across academic, professional, and creative domains.

Principal
Dr. C.P. Satheesh

Course Coordinator
Dr. Lasitha B.V



**POSTGRADUATE DEPARTMENT OF ENGLISH
SREE NARAYANA COLLEGE, KANNUR
ADD-ON COURSE CERTIFICATE COURSE
TITLE: WRITING SKILLS IN ENGLISH**

Syllabus

Programme Name : Add-on Certificate Course
Course Name: Writing Skills in English

Course Objectives:
<ol style="list-style-type: none">1. To develop the ability to write clearly and effectively for both professional and real life situations.2. To enhance the vocabulary through reading and writing activities.3. To critically analyse text to understand language structure and usage4. Build competence in drafting reports, emails and other professional documents.
Learning Outcomes:
<p>On the completion of the course the students will be able to:</p> <ol style="list-style-type: none">1.Craft a well developed and grammatically correct written content.2. Develop an understanding of English grammar and its applications in writing .3. Develop confidence to use the English language.

Topic/ Module	Contents	Hours
Module I	'Basics of Communication' 1.Introduction to Communication 2.Building Powerful Vocabulary 3.Learning Sentence Construction	
Module II	'English Grammar in Use' 1.Parts of Speech 2.Concord 3.Grammar Usage in Sentences	
Module III	Creative Writing 1.Use of language in poetry and prose 2.Crafting narratives from real life 3.Story starters and scene building exercise	
Module IV	Dynamics of Professional Writing' 1.Essay Writing 2.Report Writing 3.Business and Professional Letter Writing	

SREE NARAYANA COLLEGE KANNUR

ENGLISH DEPARTMENT

CERTIFICATE COURSE

WRITING SKILLS IN ENGLISH

SL.No	Name	Admission No	Department	Signature
1	YADUPRIYA C P	63705	Economics	
2	VIVEK K A	63839	Economics	
3	VISRUTH VINAY K	63468	Economics	
4	VISHNU P V	63327	Economics	
5	VISHNU P P	63387	Economics	
6	VISHNU N	63864	Economics	
7	VIDHUL RAG K	63371	Economics	
8	SWATHI T	63639	Economics	
9	SREERANJINI RAJU	63572	Economics	
10	SREENANDA S	63887	Economics	
11	SOURAV KRISHNAN C	63770	Economics	
12	SOORYA B	63532	Economics	
13	SNEHA P	63647	Economics	
14	SAYANTH T V	63359	Economics	
15	SANIYA PRANADAN K	63497	Economics	
16	RUVAIS V K	63838	Economics	
17	RIYA FATHIMA BM	63348	Economics	
18	RAHIL K T	63811	Economics	
19	PRAVEEN K	63801	Economics	
20	NYVEDYA K	63615	Economics	

Sl.No	VIGHNESH SURESH	63917	English	
21	VAISHAKH SADANANDAN	63963	English	
22	THEERTHA V	63311	English	
23	SWATHI T	63335	English	
24	SURYA KARATHATI	63411	English	
25	SREESA SAHAJAN T	63296	English	
26	SREEJITH M S	63645	English	
27	SOHITHA K	63888	English	
28	SHIPRA M	63724	English	
29	SHANIYA SANTHOSH N	63457	English	
30	SAYOOJYA C	63551	English	
31	SAYONA M	63944	English	



32	SAYANDH P K	63342	English	Sayandh
33	SANIYA M	63404	English	Saniya
34	RIDIKA K	63509	English	Ridika
35	RESHIKA PRABHAKARAN	63961	English	Reshika
36	PARTHIV HARINDRAN	63429	English	Parthiv
37	NIRMAL BABU	63937	English	Nirmal
38	NAYANA A	63951	English	Nayana
39	NANDHANA K	63630	English	Nandhana
40	NANDANA PREM	63753	English	Nandana
41	NANDANA K	63549	English	Nandana
42	NAFEESATHUL NISA T K	63946	English	Nafeesathul
43	MUHAMMED MUSTHAFA D V	63322	English	Muhammed
44	MOHAMMED RISTHAM P V	63374	English	M.Ristham


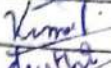

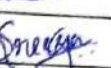
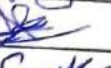

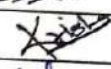


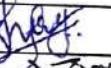

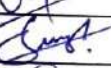

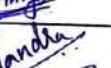
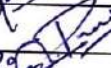


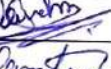



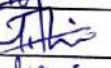
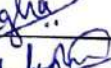






SL.No	Name	Admission No	
45	VISMAYA V	63515	Vismaya
46	VAISHNAV CP	63451	Vaishnav
47	UTTHARA SHAJIL	63333	Utthara
48	SUJISHA SIVAKUMAR K S	63941	Sujisha
49	SRUTHI V	63731	Sruthi
50	SREEVYA SREENIVASAN P	63590	Sreevya
51	SREERAG TP	63754	Sreerag
52	SREEGANGA N K	63591	Sreeganga
53	SOORYAKRISHNA K P	63369	Sooryakrishna
54	SOORYAKIRAN T O	63381	Sooryakiran
55	SNIYA SEBASTIAN	63344	Sniya
56	SIKHA T K	63750	Sikha
57	SHIYA NIRANJANA	63363	Shiya
58	SHANU SURESH	63449	Shanu
59	SAYOOJYA B	63362	Sayoojya
60	SAYANTH P P	63525	Sayanth
61	SAYANORA P V	63375	Sayanora
62	SARIKA A K	63875	Sarika

63	VISHNUPRIYA K P	63448	Vishnupriya
64	THUSHARA K	63372	Thushara
65	THEERTHANA A	63304	Theerthana
66	SWETHA O	63744	Swetha

67	SWATHI K	63880	Swathi
68	SUNITHA V	63316	Sunitha
69	SREENANDHA.E	63857	Sreenanda
70	SREELAL	63353	Sreelal
71	SOURAV	63828	Sourav
72	SHYAM KRISHNA K	63299	Shyam
73	SHANKAR K	63364	Shankar
74	SAYOOJ CK	63329	Sayooj
75	SAYANTH S SAJITH	63966	Sayanth
76	SAYANTH S	63550	Sayanth
77	SARANG.K	63878	Sarang
78	SARANG K	63729	Sarang
79	SALMITHRA P	63938	Salmithra
80	RISWANALI E K	63901	Riswanali
81	REKHA KR	63298	Rekha
82	RAMEES CP	63323	Ramees
83	NIDHIN KRISHNA	63899	Nidhin
84	NAMITHA NARAYANAN K	63596	Namitha

85	VYSHNA V	63231	Vyshna
86	VRINDHA P	63892	Vrindha
87	VISHNU V K	63470	Vishnu
88	THEJUS S	63483	Thejus
89	THEJUS P	63474	Thejus
90	SREYA K	63809	Sreya
91	SREERAG P	63841	Sreerag
92	SIVAKAMI K	63281	Sivakami
93	SHIJINA CP	63817	Shijina
94	SETHUSH K S	63713	Sethush
95	SAYANA P	63230	Sayana
96	SATHEERTH A	63257	Satheerth
97	SARIGA P S	63240	Sariga
98	SARANG K	63476	Sarang
99	SANTHWANA C P	63786	Santhwana
100	SANJAY V M	63503	Sanjay
101	SAJINA.S	63802	Sajina
102	SAHLA P K	63867	Sahla
103	RON SHAJI	63459	Ron
104	RITHUPARNA C P	63226	Rithuparna
105	PRARTHANA JAYAN	63309	Prarthana
106	PARTHIV K V	63579	Parthiv

107	P ANAGHA ARUN		
108	NEHA T P	63890	
		63803	

109	YADHUKRISHNA AK		
110	VISMAYASAJEESH V K	63477	
111	SRUTHI K	63603	
112	SREYA V V	63689	
113	SREERAG A	63273	
114	SREENANDANA T	63290	
115	SREENAND A	63228	
116	SOURAV PRAKASH C	63255	
117	SOURAV KRISHNAN	63502	
118	SOORAJ C P	63819	
119	SNEHA V	63475	
120	SNEHA K K	63837	
121	SHREYA T	63219	
122	SHANA VK	63277	
123	SAYOOJYA SANTHOSH	63243	
124	SAYANTH M	63715	
125	SANJANA N	63266	
126	SANIYA E V	63220	
127	SANDRA A	63580	
128	SANDRA A	63717	
129	PRANAV PRABEL	63904	
130	PARIJATH K	63287	
131	NIVEDYA P P	63319	
132	NIRANJNA NP	63288	
133	NANDANA K	63274	
134	NANDANA K	63877	
135	NAMITH SURENDRAN	63489	
136	NAKSHATHRA P	63767	
137	MUHAMMED SHIHAN P	63872	
138	MUGDHA MANOJ	63241	
139	MITHUN T	63533	
140	MEGHA E	63232	
141	MALAVIKA K M	63612	
142	KRISHNENDU SANTHOSH	63263	
143	KRISHNENDU P	63722	
144	KRISHNENDHU K	63719	
145	JEENA P V	63561	
146	HRIDYA HARI A K	63524	
146	HARIKRISHNAN R	63306	

147	GOPIKA T K	63706	<i>Gojika</i>
148	FATHIMATHUL NEJA A T	63520	<i>Fathima</i>
149	FATHIMATH ASHLA SHERI TP	63222	<i>Fathima</i>
150	C AKSHAYA	63237	<i>Akshaya</i>
151	AYSHATHUL SHAFNA V P	63606	<i>Aishathul</i>
152	ATHUL P V	63560	<i>Athul</i>
153	ASWIN ASHOK	63466	<i>Aswin Ashok</i>

154	VISMAYA P P	63926	<i>Vismaya</i>
155	THUSHAR C	63253	<i>Thushar</i>
156	SURYA C	63553	<i>Surya</i>
157	SREERAG K	63280	<i>Sreerag</i>
158	SREENANDHA S K	63236	<i>Sreenandha</i>
159	SREENAND S KUMAR	63399	<i>Sreenand</i>
160	SOORYA M	63481	<i>Soorya</i>
161	SHRAVAN PURUSHOTHAMAN.P	63563	<i>Shravan</i>
162	SHIKHA ANILKUMAR	63276	<i>Shikha</i>
163	SHEENA P C	63566	<i>Sheena</i>
164	SANIYA SUDHAKARAN	63233	<i>Saniya</i>
165	SANIYA K	63261	<i>Saniya</i>
166	RENISHA A C	63700	<i>Renisha</i>
167	RABEEH K	63259	<i>Rabeeh</i>
168	PRANAV M V	63792	<i>Pranav</i>
169	POURNAMI PRAKASH	63783	<i>Pournami</i>
170	POOJA PAVITHRAN	63657	<i>Pooja</i>
171	NIRANJAN K	63461	<i>Nirajan</i>
172	NAZNI NASEER KP	63285	<i>Nazni</i>
173	NAVEEN KUMAR P P	63279	<i>Naveen</i>
174	NANDHANA T P	63270	<i>Nandhana</i>
175	NANDANAKRISHNA A	63815	<i>Nandanakrishna</i>
176	NANDANA C	63221	<i>Nandana</i>
177	NANDA K	63701	<i>Nanda</i>
178	MUKTHA M	63234	<i>Muktha</i>
179	MUHAMMED RAFSHAN K C	63250	<i>Muhammed</i>
180	MUHAMMED RAFEEQUE	63246	<i>Muhammed</i>
181	MUHAMMAD IRFAN T	63283	<i>Muhammad</i>
182	MEENU R	63499	<i>Meenu</i>
183	MANASA MANOJ	63471	<i>Manasa</i>
184	LAYA P P	63743	<i>Laya</i>
185	KRISHNENDHU CHENOLI	63703	<i>Krishnendhu</i>

186	JIBINA A	63249	<i>Jibina</i>
187	JAIDEEP P	63488	<i>Jaideep</i>
188	HANNA MUHAMMAD ALI	63258	<i>Hanna</i>
189	HANEENA HASHIM P	63239	<i>Haneena</i>
190	GOPIKA.C	63242	<i>Goopka</i>
191	GOPIKA P	63685	<i>Goopka</i>
192	FATHIMA SHIFA M K	63244	<i>Fathima</i>
193	DRESHYA RAJ M	63235	<i>Dreshya</i>
194	DIYA SUJITH	63284	<i>Diya</i>
195	DIYA PRAKASH	63462	<i>Diya</i>
196	DEVANANDA VENGILAT	63614	<i>Devanand</i>
197	CHAITHRA VINOD	63589	<i>Chaithra</i>
198	AVANTIKA PRAMOD VISWANATHAN	63465	<i>Avantika</i>
199	ATHUL VIJAY	63918	<i>Athul</i>
200	ASNA MEHEK	63248	<i>Asna</i>

201	VISMAYA BALAN	63686	<i>Vismaya</i>
202	VARNA K	63665	<i>Varna</i>
203	VAISHNAVI K V	63125	<i>Vaishnavi</i>
204	SREERAJ T	63673	<i>Sreeraj</i>
205	SREEDEV K	63418	<i>Sreedev</i>
206	SNEHA SUJITH	63297	<i>Sneha</i>
207	SAYANTH C	63849	<i>Sayanth</i>
208	SANKEERTH MAHESWARAN THONIYOTT	63407	<i>Sankeerth</i>
209	SAMRUTHA CHANDRAN O	63903	<i>Samrutha</i>
210	RITHUVARNA C	63145	<i>Rithuvarna</i>
211	PRATHYUSH N T	63523	<i>Prathyush</i>
212	PRANAV P BHASKARAN	63187	<i>Pranav</i>
213	PRANAV MANOHARAN K	63142	<i>Pranav</i>
214	POOJA BHASKARAN C	63658	<i>Pooja</i>
215	PEARLSAGAR SAJ	63889	<i>Pearlsagar</i>
216	NIKHIL S	63208	<i>Nikhil</i>
217	NEHA T	63165	<i>Neha</i>
218	NAVAJETH V RENJITH	63414	<i>Navajeth</i>
219	NANDANA T	63172	<i>Nandana</i>
220	NANDANA CHITHRESHAN	63167	<i>Nandana</i>
221	NANDAKRISHNAN TV	63456	<i>Nandakrishnan</i>
222	NANDA DAS V P	63678	<i>Nanda</i>
223	MILAN S KUMAR	63883	<i>Milan</i>
224	MEGHA RAVINDRAN	63211	<i>Megha</i>



SREE NARAYANA COLLEGE KANNUR
POSTGRADUATE DEPARTMENT OF ENGLISH

*This is to certify thathas
successfully completed a course on **Writing Skills in English** organised
by the Post Graduate Department of English fromto.....*

COURSE COORDINATOR

PRINCIPAL

2023 - 2024

ലിറ്ററലിസം വിനാശിതമാക്കുന്നതിന്
 നോവ് ദിനം ലിറ്ററലിസം 'Translation'
 - ന്ന വിശദീകരണങ്ങൾ നൽകിയുണ്ട്
 2020 നും 2021 നും ഇടയിൽ നടന്ന
 നവോത്ഥാനം, വിപ്ലവം - ന്ന

SREE NARAYANA COLLEGE KANNUR

Malayalam

TRANSLATION CERTIFICATE COURSE 2023-24



INAUGURATION:
Dr.SHANOJ MP
ASSISTANT PROFESSOR
MALAYALAM

**JULY 19-2023 WEDNESDAY
@SEMINAR HALL**

2. നാലാംകുളി -എച്ച്. നാഗവേണി (വിവർത്തനം- പാർവ്വതി ജി രാജന്ദ്ര കണട ചെണ്ടകഥകൾ, ഒലിറ്റ്)

യൂണിറ്റ് -4

(പഠനമണിക്കൂർ - 30)

വിവർത്തനത്തിലെ പുതിയ പ്രവണതകൾ, വിവർത്തന സിദ്ധാന്തങ്ങൾ അധികം വിവർത്തനവും എന്നീ കാര്യങ്ങളിൽ സാമാന്യധാരണ

വിശദീകരണം

1. തന്മയവിക്കാതെ- വാഗ്മാരി മാതായ് (വിവർത്തനം- കബനി, സമത തപസ് (ആദ്യത്തെ അഞ്ച് അധ്യായങ്ങൾ മാത്രം)

അധികവായനയ്ക്ക്

1. മോലപ്പായ- ജി. ശങ്കരക്കുറുപ്പ്
2. മുപ്പത് ഇന്ത്യൻ കവയിത്രികൾ- സച്ചിദാനന്ദൻ (വിവർത്തനം)
3. ഏറ്റവും ദുഃഖദരിതമായ വരികൾ- ബാലചന്ദ്രൻ ചുള്ളിക്കാട്
4. പാശ്ചാത്യ നൈരൂദയുടെ കവിതകൾ- സച്ചിദാനന്ദൻ (വിവർത്തനം)
5. ഉപല്പ്യ- ലക്ഷ്മണൻ ഗായ്ക്വാർ- വിവ. കാളീരത്നൻ ദാമോദരൻ
6. ചോരച്ചെമ്പരത്തി- ചിമമാൻഡാ എൻഗോസി അമിച്ഛ- വിവ. ശങ്കര എസ്. കർത്ത
7. അഡോണിസിന്റെ തെരഞ്ഞെടുത്ത കവിതകൾ- വിവ. എ.എ. അസ്ഹർ
8. പാവങ്ങൾ- റിക്ടർ യുഗോ- വിവ. നാലാപ്പാട്ട് നാരായണമനോൻ
9. കുഞ്ഞുകാര്യങ്ങളുടെ ഒരേ തന്മൂലം- അരുന്ധതി റോയ് - വിവ. വി.എസ്. എസ്

സഹായകഗ്രന്ഥങ്ങൾ

1. വിവർത്തനം - (ഒരു സംഘം ലേഖകർ)
2. തർജ്ജമ സിദ്ധാന്തവും പ്രയോഗവും മലയാളത്തിൽ-(എഡി. ജനു സുരേന്ദ്രൻ) സക്കറിയ
3. വിവർത്തനപഠന സിദ്ധാന്തങ്ങൾ- താരതമ്യപഠനസംഘം (താമിസം)
4. വിവർത്തനത്തിന്റെ ഭാഷാശാസ്ത്രഭൂമിക- ഡോ.വി.ആർ. പ്രാണോധചന്ദ്രൻ
5. വിവർത്തനവിചാരം- ഡോ. എൻ.ഇ. വിശ്വനാഥ അയ്യർ
6. വിവർത്തനവും സാഹിത്യരചനയും-ഡോ. എ.എ. ശ്രീധരൻ (എഡിറ്റർ)

Marks including choice:

Unit	Marks
I	18
II	18
III	15
IV	16

Question

Method

ചോദ്യസാത്യകരകൾ

10 മാർക്കിന്റെ ഇഷ്ടമുള്ള അംഗങ്ങൾക്ക് 40 മാർക്കിന്റെ എഴുത്ത് പരീക്ഷ ഉണ്ടാകും. 40 മാർക്കിന്റെ എഴുത്ത് പരീക്ഷയിൽ 4 തരത്തിലുള്ള ചോദ്യ-തയ്യാറാക്കണം.

- I 4 ചോദ്യങ്ങളിൽ നിന്ന് 2 എണ്ണത്തിന് 300 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. (2×7=14)
- II 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് 150 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. (4×3=12)
- III 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് 100 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക. (4×2=8)
- IV 6 ചോദ്യങ്ങളിൽ നിന്ന് 4 എണ്ണത്തിന് ചെറുകുറിപ്പുകൾ തയ്യാറാക്കുക. (4×1½=6)

- Total marks including choice -67
- Maximum marks of the course- 40

SREE NARAYANA COLLEGE KANNUR

Certificate

OF COMPLETION

This certificate is awarded to :

_____ has
We give this certificate because
participated in Add on course on Translation (Department of
Malayalam) that we organize.

Head of the Department



Principal

**SREE NARAYANA COLLEGE KANNUR
POST GRADUATE DEPARTMENT OF MATHEMATICS
CERTIFICATE COURSE IN LATEX
2023-24**

ABOUT COURSE

- **for III DC AND II PG STUDENTS**
- **OFFLINE AND ONLINE MODE**
- **PRACTICAL SESSIONS**
- **30 HOURS OF DURATION**

TOPICS COVERED

- 1.TEXT FORMATTING**
- 2.TABLES AND FIGURE**
- 3.CROSS REFERENCE**
- 4.EXPLORE MATHS
PROBLEM**



SREE NARAYANA COLLEGE
POST GRADUATE DEPARTMENT OF MATHEMATICS

Course Duration : 30 hrs

mail id : snckmaths@gmail.com

CERTIFICATE COURSE

L^AT_EX FOR PROJECT REPORT GENERATION

COURSE OBJECTIVE

To introduce students with a software that is being widely used for typesetting especially in Mathematics field. To make students know importance of this software for publishing research articles, papers, project reports and books and thereby help them to be comfortable with the software .

COURSE OUTCOME

- Typesetting of complex mathematical formulae using L^AT_EX.
- Use tabular and array environments within L^AT_EX.
- Use various methods to either create or import graphics into a L^AT_EX document.
- Typesetting of journal articles, technical reports, and slide presentations.
- Automatic generation of a table of contents, bibliographies, and indexes.

SYLLABUS

Unit I: Installing LaTeX (5 Hours)

- Installing TeXstudio and MiKTeX software.
- Understanding L^AT_EX classes and packages.
- Basic L^AT_EX commands and sample packages.
- Common L^AT_EX error messages and how to fix them.

Unit II: Formatting Documents (8 Hours)

- Using fonts, symbols, paragraphs, and spacing.
- Document structure: titles, subtitles, and table of contents.
- Command names, arguments, environments, and declarations.
- Creating theorems and adding comments within the text.

Unit III: Writing Math Equations

(10 Hours)

- Math environments and symbols.
- Creating graphs, tables, and matrices.
- Adding captions to tables and referencing figures.

Unit IV: Drawing with \LaTeX

(5 Hours)

- Basic drawing tools and picture environments.
- Advanced drawing packages.
- Preparing books and reports using \LaTeX .

Final Assessment:

(2 Hours)

Create a comprehensive \LaTeX document

Reference Book:

- A Document Preparation System: \LaTeX - User's Guide and Reference Manual (Second Edition), Leslie Lamport.
- <https://www.overleaf.com/project/6704e9bc0e71fc544f12a19d>
- <https://www.overleaf.com/learn>

CERTIFICATE
COURSE
IN
LATEX

2023 - 2024

Name : _____

Register Number : _____

POST GRADUATE DEPARTMENT OF MATHEMATICS

Unit 1 Examination - Certificate Course in L^AT_EX

Time: 30 Minutes

Max marks : 20

-
1. What is the primary purpose of L^AT_EX?
 - Word processing
 - Spreadsheets management
 - Typesetting complex documents, especially in mathematics
 - Image editing
 2. Which of the following software is used to install L^AT_EX?
 - Adobe Reader
 - MiKTeX
 - Google Docs
 - Notepad++
 3. TeXstudio is used for:
 - Writing emails
 - Compiling L^AT_EX documents
 - Web design
 - Image editing
 4. A L^AT_EX class is:
 - A graphical environment
 - A pre-defined layout for different types of documents
 - An HTML feature
 - A code editor
 5. Which command in L^AT_EX starts a new document?
 - `\documentclass`
 - `\beginarticle`
 - `\newdoc`
 - `\initiate`
 6. What does MiKTeX provide in the L^AT_EX installation process?
 - A user-friendly interface for document formatting
 - A distribution of the TeX/L^AT_EX system for Windows
 - A text editor for coding
 - A system for online collaboration
 7. Which of the following is NOT a common L^AT_EX error?
 - Missing package
 - Mismatched brackets
 - Incorrect table reference
 - Undefined control sequence
 8. How can L^AT_EX errors be resolved?
 - By restarting the computer
 - By checking the log file for error messages
 - By reinstalling the software
 - By disabling all packages
 9. What is the purpose of a L^AT_EX package?
 - To install fonts on your system
 - To extend the capabilities of L^AT_EX by providing additional functionality
 - To design HTML documents
 - To compile code
 10. Which website is often used for collaborative L^AT_EX document preparation?
 - Google Docs
 - Overleaf
 - GitHub
 - WordPress
 11. Which of the following is a L^AT_EX package used for including graphics?
 - `graphicx`
 - `geometry`
 - `fancyhdr`
 - `array`
 12. What file extension is typically used for L^AT_EX source files?
 - `.tex`
 - `.doc`
 - `.pdf`
 - `.ltx`

13. LaTeX was originally developed by:
- Donald Knuth
 - Leslie Lamport
 - Bill Gates
 - Tim Berners-Lee
14. Which LaTeX command is used to compile a document into a PDF format?
- `\compilepdf`
 - `pdflatex`
 - `\makepdf`
 - `\generatepdf`
15. What does the LaTeX error “Undefined control sequence” usually mean?
- A command or package is missing
 - The document is too large
 - The file is not saved
 - Incorrect use of parentheses
16. How can you add a comment in a LaTeX document?
- By using the percentage symbol (%)
 - By using double slashes (//)
 - By using hashtags (#)
 - By using the ampersand (&)
17. The LaTeX command `\usepackage` is used to:
- Start a new section in the document
 - Insert an image
 - Load additional functionality from a package
 - Define a new command
18. Which LaTeX command is used to create a title for the document?
- `\section`
 - `\titleformat`
 - `\title`
 - `\headtitle`
19. What is the purpose of a LaTeX log file?
- To provide detailed information about the compilation process and errors
 - To store user data
 - To save the LaTeX output in plain text format
 - To compile LaTeX source code
20. What is the default file type generated after compiling a LaTeX document with `pdflatex`?
- `.tex`
 - `.pdf`
 - `.doc`
 - `.txt`

Name : _____

Register Number : _____

SREE NARAYANA COLLEGE
POST GRADUATE DEPARTMENT OF MATHEMATICS
Unit 2 Examination - Certificate Course in L^AT_EX

Time: 15 Minutes

Max marks : 10

-
1. Which command is used to set the title of a LaTeX document?
 - `\section{}`
 - `\begin{title}`
 - `\title{}`
 - `\settitle{}`
 2. Which environment is used to create a list with bullet points?
 - `itemize`
 - `enumerate`
 - `tabular`
 - `listitem`
 3. How can you make a word bold in LaTeX?
 - `\bold`
 - `\btext`
 - `\textbf`
 - `\boldfont`
 4. How do you insert a horizontal line in a LaTeX document?
 - `\newpage`
 - `\newline`
 - `\hrule`
 - `\line{}`
 5. How do you change the font size of the entire document?
 - `\setsize12pt`
 - `\documentclass[12pt]`
 - `\fontsize`
 - `\fontscale`
 6. What is the command to create a section heading in a LaTeX document?
 - `\section`
 - `\heading`
 - `\subhead`
 - `\title`
 7. To insert comments in the LaTeX source code that will not appear in the output, use:
 - `%`
 - `#`
 - `//`
 - `$`
 8. Which command adds space between paragraphs?
 - `\linebreak`
 - `\parskip`
 - `\vfill`
 - `\addvspace`
 9. What is the command to create an itemized list with numbers?
 - `\begin{itemize}`
 - `\begin{enumerate}`
 - `\begin{list}`
 - `\begin{tabular}`
 10. Which command is used to create a table of contents?
 - `\newcontents{}`
 - `\tableofcontents`
 - `\makecontents{}`
 - `\contents{}`



POST GRADUATE DEPARTMENT OF MATHEMATICS

SREE NARAYANA COLLEGE, KANNUR

NAAC REACCREDITED WITH A GRADE

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

FOR SUCCESSFULLY COMPLETING THE CERTIFICATE COURSE.....

CONDUCTED BY POST GRADUATE DEPARTMENT OF MATHEMATICS, AND INTERNAL QUALITY

ASSURANCE CELL, SREE NARAYANA COLLEGE, KANNUR , FROM TO

H.O.D. Mathematics

Principal



Department of Microbiology
Sree Narayana College, Kannur
Re accredited by NAAC with A Grade

Certificate Course in Dairy Microbiology



This course is designed to educate the students about the microbiology of milk and milk products. The course content covers microorganisms associated with milk and milk products, production of hygienic milk, microbiological methods of milk testing, microbial spoilage of milk and milk borne diseases.

Introductory Dairy Microbiology

This course is designed to educate the students about the microbiology of milk and milk products. The course content covers microorganisms associated with milk and milk products, production of hygienic milk, microbiological methods of milk testing, microbial spoilage of milk and milk borne diseases.

Course duration: 8 weeks (including a field trip / industrial visit)

Module : I

Hygienic milk: Introduction and Significance of dairy microbiology, Sources of contamination of milk and hygienic milk production.

Module : II

Dairy microorganisms: Important classes of dairy microorganisms, useful microorganisms, spoilage and pathogenic microorganisms.

Module : III

Microorganisms associated with milk: Microorganisms associated with raw milk and their significance, Role of psychrotrophs in milk, Effect of processing on microorganisms in milk.

Module : IV

Microbiological methods of milk testing: Qualitative and quantitative methods of milk testing, Dye reduction test, Direct microscopic count (DMC), Standard plate count (SPC), Coliform counts in Milk, Methods of Enumeration of other groups of bacteria, Enumeration of yeast and moulds in Milk

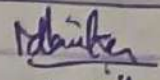
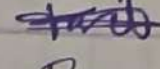
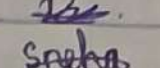
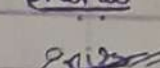
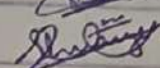
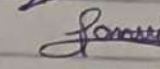
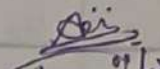
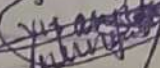
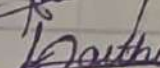
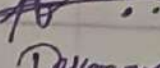
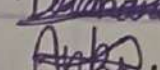
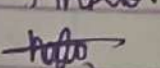
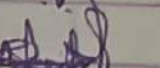

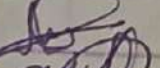
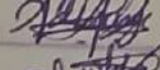
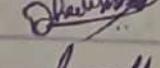
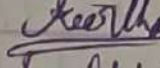
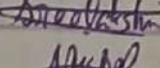
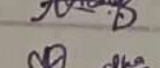
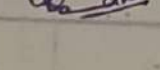


Module : V

Microbial spoilage of milk: Role of microbes in spoilage of milk – Microbial interactions, Milk fermentations, abnormal milk fermentations.

Module : VI

Milk borne diseases: Food infection, intoxication and toxi-infection, Milk borne Diseases, Mastitic milk

Attendance

Sl. No.	Name of the participant	class	Sign.
1	Malavika M	8-E	
2	Prarthana Prasoon	8-D	
3	Rithika P	8-D	
4	Sneha O	8-A	
5	Niranjana P	8-A	
6	Shivanjali	8-A	
7	Tanvi	8-A	
8	Ananya K	8-A	
9	Vipanjika A	8-A	
10	Anunanda T.M	8-A	
11	Karthika C.M	8-A	
12	Devananda	8-D	
13	Ankitha Prajeesh	8-A	
14	Fathimathul Nafiya P.P	8-D	
15	Ashika P	9-B	
16	Nileen Fathima N	8-D	
17	Fathimathul Naza U	8-E	
18	Adhanya C.K	8-D	
19	Dhanushka T	8-D	
20	Karthana Vinod	8-C	
21	Sreelakshmi T	8-C	
22	Anchana P	8-C	
23	Krishna Gadha T	8-C	

24	Sreeshma S	8-C	Sreeshma	59	V
25	Anushka .p.v	8-C	Anu	60	A
26	Darshana .P	8-C	Darshan	61	
27	ghivapriya .R	8-C	ghiva	62	
28	SHIJISHA -CK	8-E	Shijisha	63	X
29	fathimathul ziya p.m	8-C	Fathima	64	II
30	Ayisha poovi pp	8-C	Ayisha	65	Ab
31	Nayana v.p	8-C	Nayana	66	8
32	Ananya .c	8-C	Ananya	67	A
33	Rituparna .K.A	9-B	Rituparna	68	A
34	Ashitha Manoj	9.A	Ashitha	69	T
35	Neha .C	9.A	Neha	70	
36	Dithya	9.A	Dithya	71	P
37	Akshatha	9.A	Akshatha	72	I
38	Rishika Ragunath	8.A	Rishika	73	
39	Thrisha -P-V	9C	Thrisa	74	
40	Deekshitha -TK	9c	Deekshitha	75	
41	Romanya	9c	Romanya	76	
42	Shivasardha .m	9C	Shivasardha	77	
43	Nozim Nabon	8-D	Nozim	78	
44	Aadidev .v	8-D	Aadidev	79	
45	Rithunandh -PP	8-E	Rithunandh	80	
46	Adsh .P	8-E	Adsh	81	
47	sbazil	8-E	Sbazil	82	
48	Anushka .P	8-A	Anushka	83	
49	Nakshathra	8-A	Nakshathra	84	
50	Samvika Athil	8-A	Samvika		
51	ZIYAN	8-D	Ziyan		
52	Shezin	8-D	Shezin		
53	Abhimav K.V	9-C	Abhimav		
54	Muhammed SINAN .V	9-C	Sinan		
55	AMDANT.P	9-C	AMDANT		
56	ATHUL .A	9-C	Athul		
57	ARAV .V	9-C	Arav		
58	ZAYAN	9B	Zayan		



SREE NARAYANA COLLEGE, KANNUR

Affiliated to Kannur University

JUNE 9, 2023

POST GRADUATE &
RESEARCH DEPARTMENT
OF ZOOLOGY IN
ASSOCIATION WITH IQAC

Certificate
course
On
Aquaculture

HOD

Dr. Preethakumari V M

PRINCIPAL

Dr. Satheesh C P



Coordinators:

DR. JIPSA. J. R
8113959333

SREE NARAYANA COLLEGE KANNUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON AQUACULTURE

Module 1: Introduction to Aquaculture (3 hours)

- Definition and Importance of Aquaculture
- History and Development of Aquaculture
- Types of Aquaculture: Freshwater, Marine, and Brackish Water
- Global and Local Trends in Aquaculture

Module 2: Aquatic Organisms (4 hours)

- Overview of Aquatic Species: Fish, Crustaceans, and Mollusks
- Biology and Ecology of Key Aquaculture Species
- Breeding and Hatchery Techniques
- Nutrition and Feeding Practices

Module 3: Aquaculture Systems (4 hours)

- Types of Aquaculture Systems: Extensive, Semi-intensive, and Intensive
- Recirculating Aquaculture Systems (RAS)
- Pond Culture vs. Cage Culture
- Aquaponics and Integrated Multi-Trophic Aquaculture (IMTA)

Module 4: Water Quality Management (4 hours)

- Importance of Water Quality in Aquaculture
- Key Water Quality Parameters: pH, Dissolved Oxygen, Ammonia, Nitrites, and Nitrates
- Water Testing and Monitoring Techniques
- Management Practices for Maintaining Optimal Water Quality

Module 5: Health Management (4 hours)

- Common Diseases in Aquaculture
- Biosecurity Measures
- Vaccination and Treatment Strategies
- Environmental Stressors and Their Impact on Fish Health

Module 6: Sustainable Aquaculture Practices (4 hours)

- Principles of Sustainable Aquaculture
- Environmental Impact and Mitigation Strategies
- Certification and Eco-labeling in Aquaculture

- Role of Aquaculture in Food Security

Module 7: Economic Aspects of Aquaculture (4 hours)

- Cost Analysis and Economic Viability of Aquaculture Operations
- Marketing Strategies for Aquaculture Products
- Regulatory Framework and Policies
- Case Studies of Successful Aquaculture Enterprises

Module 8: Hands-on Practical Sessions (3 hours)

- Field Visits to Aquaculture Farms
- Water Quality Testing
- Feeding Techniques
- Observing Breeding and Hatchery Practices

SREE NARAYANA COLLEGE KANNUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE 2023-24

AQUACULTURE

Student Enrollment List

SI No	Register No	Name
1	C2PSZL1001	ALFIYA K RAJEESH
2	C2PSZL1002	AMRITHA P V
3	C2PSZL1003	AMRUTHA V
4	C2PSZL1004	ANGITHA ANILKUMAR
5	C2PSZL1005	ANILA M K
6	C2PSZL1006	ANJANA. V
7	C2PSZL1007	ANUSREE V K
8	C2PSZL1008	FATHIMATHUL ZUHARA M
9	C2PSZL1009	JUSAINA S K P
10	C2PSZL1010	NAJIYA T P
11	C2PSZL1011	NIMISHA M
12	C2PSZL1012	RAMITHA K
13	C2PSZL1013	SHYAMILY A
14	C2PSZL1014	SNEHA SAHADEVAN
15	C2PSZL1015	SOORYA M V
16	SN21CZOR01	AMITH KRISHNA K
17	SN21CZOR02	E N ROHITH NATH
18	SN21CZOR03	MIDHUN K M
19	SN21CZOR04	ABHISRI M
20	SN21CZOR05	ANUSREE ANILKUMAR
21	SN21CZOR06	ATHIRA P
22	SN21CZOR07	ATHULYA P R
23	SN21CZOR08	AVANI PRASAD
24	SN21CZOR09	FIDA PARVEEN K P

25	SN21CZOR10	GOPIKA V
26	SN21CZOR11	RIDONA MUKUND
27	SN21CZOR12	SHILLA . K
28	SN21CZOR13	SHWETHA ASHOK
29	SN21CZOR14	SNIGDHA DAS P
30	SN21CZOR16	THEJA MANOJ
31	SN21CZOR17	VADHANYA GOPAL KRISHNA
32	SN21CZOR18	VISMAYA K P
33	SN21CZOR19	VISMAYA M
34	SN21CZOR20	DIYA P K
35	SN21CZOR21	K SONIYA
36	SN21CZOR22	MEGHNA M V
37	SN21CZOR23	NANDANA C
38	SN21CZOR24	NANDANA GEET K
39	SN21CZOR25	NANDHANA K
40	SN21CZOR26	NIPUNIYA GIREESH
41	SN21CZOR27	NITHYASREE P
42	SN21CZOR28	RITHIMA RAJ V V

SREE NARAYANA COLLEGE KANNUR

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE 2023-24

AQUACULTURE

TIME TABLE

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday (10AM-12PM)
Theory 8.30-	PR	JJR	JK	ASV	RK	PVM
Practical	NR	PVM	JJR	RK	SHC	PR

SREE NARAYANA COLLEGE KANNUR



POST GRADUATED DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE 2023-24 AQUACULTURE

has successfully completed certificate course on Aquaculture from 09/06/2023 to 30/07/2024. Organized by Post graduate and Research department of Zoology, Sree

Narayana college, kannur.

Principal



Head of the department