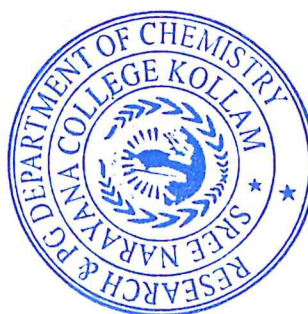


**Department level
Certificate Course
on
Instrumental
Analysis
2020-2021**



SREE NARAYANA COLLEGE, KOLLAM
POST GRADUATE AND RESEARCH
DEPARTMENT OF CHEMISTRY

invites applications for
UGC-NSQF Certificate Course

on

“Instrumental Analysis”

Qualification: Plus two science stream

Duration: 6 months

Admission is open now

For more details, Contact

HOD: Dr. V L Puspha, 8129225858

*Course Coordinator: Dr. Pravin Prakash,
9207454938*

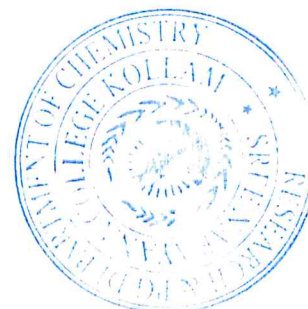


Department Of Chemistry
Sree Narayana College, Kollam

**List of Applied Students for the Certificate Course on
Instrumental Analysis**

Name of Candidate	Address of candidate
Adarsh.P	Pushpamangalam, Ambalappuram, ETC PO, Kottarakara, 691531
ABHINAND .Y.S	Abhi Bhavan, Elakamon PO, Varkala, 695310
ABHISHEK A	Abhilalayam, KS puram PO, Puthiyakavu, Karunagapally, 690544
ADARSH P	Bindhu Vilasam, Sreesaravananagar 152, Eravipuram, Kollam, 691011
AMAL. J.M	Kalluvilaveedu, Kilikolloor PO, Kollam, 691004
AMARNATH. S. PRAKASH	Vishnunatham, Ambalathumkaka PO, 691505
ANAGHA SAJU	Charuvila Veedu, Kaithacodu, Kaithacodu PO, Kollam, 691543
ANANYA SHYLAN	Sreeshylam, Sreeramapuram, Kalluvathukkal PO, Kollam, 691578
ANILA. A	Peringilethu PV, South Edakkulangara PO, Karunagapally, 690523
ASWANI A	Anandhu Vihar, Charukkad, Chemmakkad PO, Kollam, 691601
ASWATHY. U	Ullas Bhavan, Ulacodu, Vakkanadu PO, Kollam, 691509
ATHIRA . S	Thengazhikathu, Kizhakkathil, Sakthikulangara, Kollam, 691581
FATIMA MANAF	M F manzil, Kalluvathukal PO, Kollam, 691578
HARIGOVIND R	Dreams, Paripally PO, Kollam, 691574
JITHIN M	Rohini Nivas, Puthanada, Thekkevila PO, Kollam, 691016
KARTHIKEYAN .T	Sanjay Bhavan, Elayam, Nedumoncav PO, Kollam, 691509
MITHA S BIJU	Vadakkekuttivil House, Murunthalbperinad PO, Kollam, 691601
NAVANEETH S	Vasa Bhavan, Thattamala PO, Kollam, 691020
NAVEEN. B	Naveenam, Nettayam PO, Ambalamkunnu, Kollam, 691537s
POOJA B S	Veliyilazhikathu veedu, Valathugal PO, Kollam, 691011
DAMU. B LAL	Vaishakam, Pallikal PO, Kilimannor, 695604
SANDRA BABU	Kalluvila Puthenveedu, Vencodu, Palayamkunnu PO, varkala 695146

Sree Narayana
Principal
Sree Narayana College
Kollam



Syllabus

CERTIFICATE COURSE (UGC-NSQF) (Offered By Department of Chemistry, Sree Narayana College, Kollam)

Instrumental Analysis

Total hours: 30

Aim of the Course

The course offers an introductory science of instrumentation techniques used in various science disciplines. Moreover, provides hands own experiences and guidance for analysis of samples and train personnel in operation and maintenance of Instruments.

Course objectives

The course helps the students to understand the theory and working principles behind sophisticated instruments. Subsequently, aims to impart skill for analyzing real samples. Upon course completion, the student will get a strong understanding in handling the instruments and be able to analyze the samples.

GENERAL ASPECTS OF EVALUATION

Mode of Evaluation – Certificate Course on Instrumental Analysis

(i) Attendance for lecture and skill/laboratory sessions (to be noted separately where both lecture and skill/laboratory hours have been specified within a course);

(ii) Test for theory and Practical

The weightage is shown in Table 1.1

Table 1.1

Sl. No	Component	Marks
1	Paper-1	55
2	Paper-2 Practical	45
	Total	100

DEPT. OF CHEMISTRY, SN COLLEGE, KOLLAM**List of Students qualified for the certificate course on****Instrumental Analysis**

Sl. No.	Name of Candidate	Address of candidate	Qualified/not qualified
1	ADARSH.P	Pushpamangalam, Ambalappuram, ETC PO, Kottarakara, 691531	Qualified
2	ABHINAND .Y.S	Pournami, Iverkala west north, Puthenambalam PO, Kunnathur, 691553	Qualified
3	ABHISHEK A	Abhilalayam, KS puram PO, Puthiyakavu, Karunagapally, 690544	Qualified
4	ADARSH P	Bindhu Vilasam, Sreesaravananagar 152, Eravipuram, Kollam, 691011	Qualified
5	AMAL. J.M	Kalluvilaveedu, Kilikolloor PO, Kollam, 691004	Qualified
6	AMARNATH. S. PRAKASH	Vishnunatham, Ambalathumkaka PO, 691505	Qualified
7	ANAGHA SAJU	Charuvila Veedu, Kaithacodu, Kaithacodu PO, Kollam, 691543	Qualified
8	ANANYA SHYLAN	Sreeshylam, Sreeramapuram, Kalluvathukkal PO, Kollam, 691578	Qualified
9	ANILA. A	Peringilethu PV, South Edakkulangara PO, Karunagapally, 690523	Qualified
10	ASWANI A	Anandhu Vihar, Charukkad, Chemmakkad PO, Kollam, 691601	Qualified
11	ASWATHY. U	Ullas Bhavan, Ulacodu, Vakkanadu PO, Kollam, 691509	Qualified
12	ATHIRA . S	Thengazhikathu, Kizhakkathil, Sakthikulangara, Kollam, 691581	Qualified
13	HARIGOVIND R	Dreams, Paripally PO, Kollam, 691574	Qualified
14	JITHIN M	Rohini Nivas, Puthanada, Thekkevila PO, Kollam, 691016	Qualified
15	KARTHIKEYAN .T	Sanjay Bhavan, Elayam, Nedumoncav PO, Kollam, 691509	Qualified
16	MITHA S BIJU	Vadakkettivil House, Murunthalbperinad PO, Kollam, 691601	Qualified
17	NAVANEETH S	Vasa Bhavan, Thattamala PO, Kollam, 691020	Qualified
18	NAVEEN. B	Naveenam, Nettayam PO, Ambalamkunnu, Kollam, 691537s	Qualified
19	POOJA B S	Veliyilazhikathu veedu, Valathugal PO, Kollam, 691011	Qualified
20	DAMU. B LAL	Vaishakam, Pallikal PO, Kilimannor, 695604	Qualified
21	SANDRA BABU	Kalluvila Puthenveedu, Vencodu, Palayamkunnu PO, varkala 695146	Qualified



MARK LIST OF STUDENTS

Certificate Course on Instrumental Analysis (2020-2021)

SL. NO	NAME	MARKS OF THE EXAM		TOTAL	GRADE
		THEORY (45)	PRACTICAL (55)		
1	ADARSH.P	42	53	95	A+
2	ABHINAND .Y.S	44	55	99	A+
3	ABHISHEK A	41	55	96	A+
4	ADARSH P	43	54	97	A+
5	AMAL. J.M	43	54	97	A+
6	AMARNATH. S. PRAKASH	43	54	97	A+
7	ANAGHA SAJU	45	54	99	A+
8	ANANYA SHYLAN	45	55	100	A+
9	ANILA. A	44	55	99	A+
10	ASWANI A	43	54	97	A+
11	ASWATHY. U	39	52	91	A+
12	ATHIRA. S	42	53	95	A+
13	HARIGOVIND R	44	55	99	A+
14	JITHIN M	41	55	96	A+
15	KARTHIKEYAN .T	45	54	99	A+
16	MITHA S BIJU	45	55	100	A+
17	NAVANEETH S	44	55	99	A+
18	NAVEEN. B	43	54	97	A+
19	POOJA B S	39	52	91	A+
20	DAMU. B LAL	45	55	100	A+
21	SANDRA BABU	42	53	95	A+


Principal
Sree Narayana College
Kollam



Report

The certificate course in *Instrumental Analysis*, was offered by the Research and Post Graduate Department of Chemistry, Sree Narayana College, Kollam, with an aim of introductory science of instrumentation techniques used in various science disciplines. Moreover, provides hands own experiences and guidance for analysis of samples and train personnel in operation and maintenance of instruments. Five subject experts from Dept. of Chemistry were opted for handling the classes. In additionally experts from various other disciplines such as Physics and Zoology have the charge of providing hands own expertise in sophisticated instruments like UV spectroscopy and Atomic Absorption Spectroscopy.

A total of 22 students with a qualification of plus two science stream and above has applied for the course and of these 21 were selected for the mentioned course of 6 month duration. The entire selected candidate has successfully completed the certificate course and majority of the students has achieved above 95 % mark in the final examination.

The course helped the students to have a better understand on the theory and working principles behind sophisticated instruments and has improved their skills for analyzing real samples. Also, the students got a strong knowledge in handling the instruments available for the analysis of samples.

The certificate course in *Instrumental analysis* has provided a strong professional training and awareness for careers in the instrumental field with a chemistry background. The mission has achieved through the practical knowledge about basic working principles of various colorimetric, potentiometric, physico-chemical & electrochemical instruments and doing analysis of real samples. The interdisciplinary curriculum designed were successfully clarify the career goals for those where considering to do instrumentation analysis in various science streams.





Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A')

(ATAL 'A' Band Institution)

CERTIFICATE

This is to certify that Mr./Ms./Mrs.....SANDRA...BABU..... has successfully

Reg. No.G.P.L.A.22..... Department of..... CHEMISTRY.....

completed certificate course in..... INSTRUMENTAL ANALYSIS.....

..... during July 2020 to January..... 2021.

COURSE CO-ORDINATOR



PRINCIPAL



Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A')

(ATAL 'A' Band Institution)

CERTIFICATE

This is to certify that Mr./Mrs. N.A.V.R.N. B.....

Reg. No. C.P.L.I.A.I.A..... Department of..... CHEMISTRY..... has successfully

completed certificate course in..... INSTRUMENTAL..... ANALYSIS.....

..... during July..... 2020 to January..... 2021.

COURSE CO-ORDINATOR



PRINCIPAL



Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A')

(ATAL 'A' Band Institution)

CERTIFICATE

This is to certify that Mr./Mrs./Ms. NAVANEETH.S..... has successfully
 Reg. No. C.P.L.I.A.I.S..... Department of CHEMISTRY.....
 completed certificate course in INSTRUMENTAL ANALYSIS.....
 during July..... 2020 to January 2021.



[Signature]

COURSE CO-ORDINATOR

[Signature]
PRINCIPAL



Sree Narayana College, Kollam

Affiliated to the University of Kerala

(Accredited by NAAC Grade 'A')

(ATAL 'A' Band Institution)

CERTIFICATE

This is to certify that Mr./Mrs. M.I.T.H.A.S.:B.I.T.U.....
Reg. No.C.P.L.I.A.I.F..... Department of.....C.H.E.M.I.S.T.R.Y..... has successfully
completed certificate course in.....I.N.S.T.R.U.M.E.N.T.A.L.....A.N.A.L.Y.S.I.S.....

.....during.....July.....2020 to.....January.....2021.....



COURSE CO-ORDINATOR


PRINCIPAL