

Sree Narayana College Chengannur

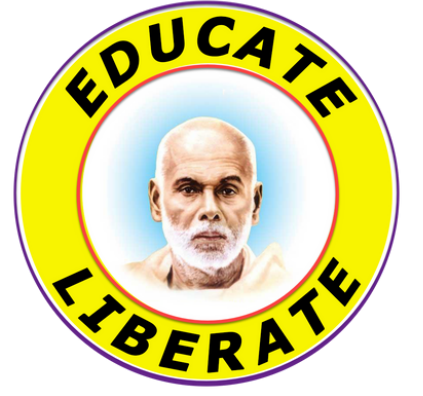
Post Graduate Department of Physics & IQAC

(Affiliated to University of Kerala)

NAAC accredited with Grade B

Neduvaramcode (PO), Cheriyanad

Chengannur-689508



Certificate Course & Workshop

INSTRUMENTATION BASICS & TECHNICAL SKILL DEVELOPMENT

In Association with

PROMINENT[®]
A PERFECT SOLUTION
*** ISO 9001:2015 Certified ***
Sales, Service & Manufacturer of Scientific Instruments

Dr.K Sreelatha
Head of the Department

Dr.Shereen K
Principal-in-Charge

Co-ordinator: Dr.K Sreelatha

Members:

Ms.Shehina Shaji

Ms.Renju Ravi

Ms.Arya Raveendran

Ms.Reshma Remesh

Ms.Soorya M

Mr.Ashok Kumar P R

2023 FEBRUARY 21-25



Dr. K.Sreelatha
Head of the Department
SN College Chengannur

Chengannur
15/02/2022

The Principal
SN College Chengannur

Subject :- Conduct a certificate course for 2022-2023- request permission reg:

Madam,

The Department of Physics plans to conduct a certificate course on "Instrumentation Basics & Technical Skill Development" for the UG and PG students of the department. The duration of the course is 30 hours. We plan to conduct the course from 21/02/2023 to 25/02/2023 in association with Prominent, Kozhikode.

Kindly grant permission to organize the same.

Thanking you,

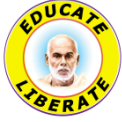
Yours faithfully,



Dr. K Sreelatha



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SREE NARAYANA COLLEGE CHENGANNUR
DEPARTMENT OF PHYSICS



CERTIFICATE COURSE

Course Title : Instrumentation basics & Technical skill development

Total hours : 30

Trainers : PROMINENT, sales, service and manufacturer of scientific instruments.

Course Objectives:

- Understand the basic working principles of important electrical and electronic circuit components.
- Troubleshooting the laboratory equipments.
- Develop the skill of simple electronic circuit fabrication and instrumentation.

SYLLABUS

Module 1: Familiarisation of electronics circuit components - Resistor, Capacitor, Diodes, Transistor, Inductor, Integrated Circuits.

Module 2: Characteristics of AC and DC signals.

Module 3: Familiarisation of Galvanometer, Ammeter, Voltmeter, DC power supplies, AC signal generator, CRO.

Module 4: Electronics circuit fabrication basics- bred board, soldering techniques.

Module 5: Construction and working of simple electronic circuits- Rectifier, voltage regulator, amplifier, oscillator, multivibrator.



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Minutes of the Meeting

The minutes of the meeting of the Board of Studies of Certificate courses was held on 14th February, 2022 in the Department of Physics, Sree Narayana College, Chengannur at 10.00 a.m. The following members were present for the meeting.

1. Dr.K Sreelatha
2. Ms.Shehina Shaji
3. Ms.Renju Ravi
4. Ms.Arya Raveendran
5. Ms.Reshma Remesh
6. Ms.Soorya M

The following points were discussed in the meeting.

- The BoS has decided to initiate the following certificate course in the academic year 2022-23.

INSTRUMENTATION BASICS & TECHNICAL SKILL DEVELOPMENT

- The syllabus for the above courses was designed by the committee considering the global needs and demand of the market.
- This course will provide the students an idea of the basic idea of Instrumentation.
- It was decided to conduct the above course having 30 hours duration.
- The committee has suggested considering the suggestions of Prominent Group (ISO Certified Company), Kozhikode about the timing of the class.
- The committee has suggested appointing the trainers for the above courses.
- Classes will start from 21/02/2023 to 25/02/2023.
- The minimum attendance for the successful completion of the course is decided to be 75%.
- The submission of the assignment is compulsory for the successful completion of the course.

- The board has decided to initiate the certificate courses as per the approval of IQAC.
Dr. K. Sreelatha proposed the vote of thanks and the meeting ended.



A handwritten signature in green ink, consisting of several loops and a vertical line, appearing to be the initials or name of the principal.

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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE REPORT 2022-2023

INSTRUMENTATION BASICS & TECHNICAL SKILL DEVELOPMENT

Date: 21/02/2023 to 25/02/2023

Time: 9.30 am to 12.30 pm and 1.30 pm to 4.30 pm

Venue: Physics Lab

As per the decision of Dept. of Physics, Sree Narayana College, Chengannur, IQAC and the PG department of Physics jointly conducted the certificate course having 30 hours duration in association with Prominent Group (ISO Certified Company), Kozhikode from 2/03/2022 to 6/03/2022 on Instrumentation & Maintenance. The program was inaugurated by Mrs. Shereen K, the Principal, and chaired by Dr. K. Sreelatha, Head, Department of Physics, Sree Narayana College, and Chengannur. Dr. K Sreelatha, Course co-ordinator delivered the welcome address. There were ten technical sessions in the course (6 hours/day).

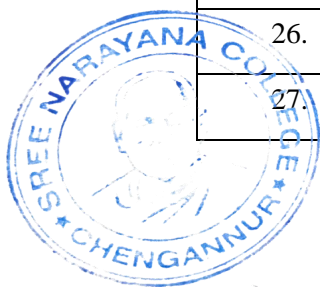
The sessions of course were handled by two experts in different areas namely Muhammed Aslam K (Service Engineer) and Althaf M (Service Engineer).

Certificate course benefits the students with something extra beyond their regular academics and serves as an added advantage. The main objective of the course was handling and maintenance of electrical and electronics instruments in Physics UG & PG laboratories and to develop general skill in Instrumentation basics & Technical skill developments. Final year UG and PG students in our department successfully completed the course. On the completion of course, certificates were distributed to the students by Mrs. Shereen K, the Principal, and Dr. K. Sreelatha, Head of the Department of Physics, Sree Narayana College, Chengannur.

Details of students enrolled for Certificate Course

Sl. No.	Candidate Code	Name of Student	Class
1.	63022128001	BHAGYA VIJAYAN	I M.Sc. Physics

2.	63022128002	MEENU B S	I M.Sc. Physics
3.	63022128003	SHILPA VIJAYAN	I M.Sc. Physics
4.	63022128004	SHINEY Y	I M.Sc. Physics
5.	63021128001	ANJALI S	II M.Sc. Physics
6.	63021128002	ARDRA SAJEEV	II M.Sc. Physics
7.	63021128003	ASWATHI ASHOK	II M.Sc. Physics
8.	63021128005	GOPIKA P S	II M.Sc. Physics
9.	63021128006	GREESHMA BABU	II M.Sc. Physics
10.	63021128007	KAVITHA K M	II M.Sc. Physics
11.	63021128008	LAKSHMI S	II M.Sc. Physics
12.	63021128009	LAKSHMI B	II M.Sc. Physics
13.	63021128010	PARVATHY S KUMAR	II M.Sc. Physics
14.	63021128011	SANDEEP KUMAR S	II M.Sc. Physics
15.	23022128001	JEEVARAJ R	I B.Sc. Physics
16.	23021128001	GOPIKA UNNI	II B.Sc. Physics
17.	23021128002	SONA S	II B.Sc. Physics
18.	23020128002	ANJU B	III B.Sc. Physics
19.	23020128003	ANSEENA A	III B.Sc. Physics
20.	23020128004	DAYAL UDAYAN	III B.Sc. Physics
21.	23020128005	SANJEEV SATHYAN	III B.Sc. Physics
22.	23020128006	SHIJI JOHNSON	III B.Sc. Physics
23.	23020128007	THOMAS KURIAKOSE	III B.Sc. Physics
24.	23020128008	TINI CHANDRAN	III B.Sc. Physics
25.	23020128009	AMRUTHA S	III B.Sc. Physics
26.	23020128010	ANJU UTHAMAN	III B.Sc. Physics
27.	23020128011	SWATHY SANTHOSH	III B.Sc. Physics



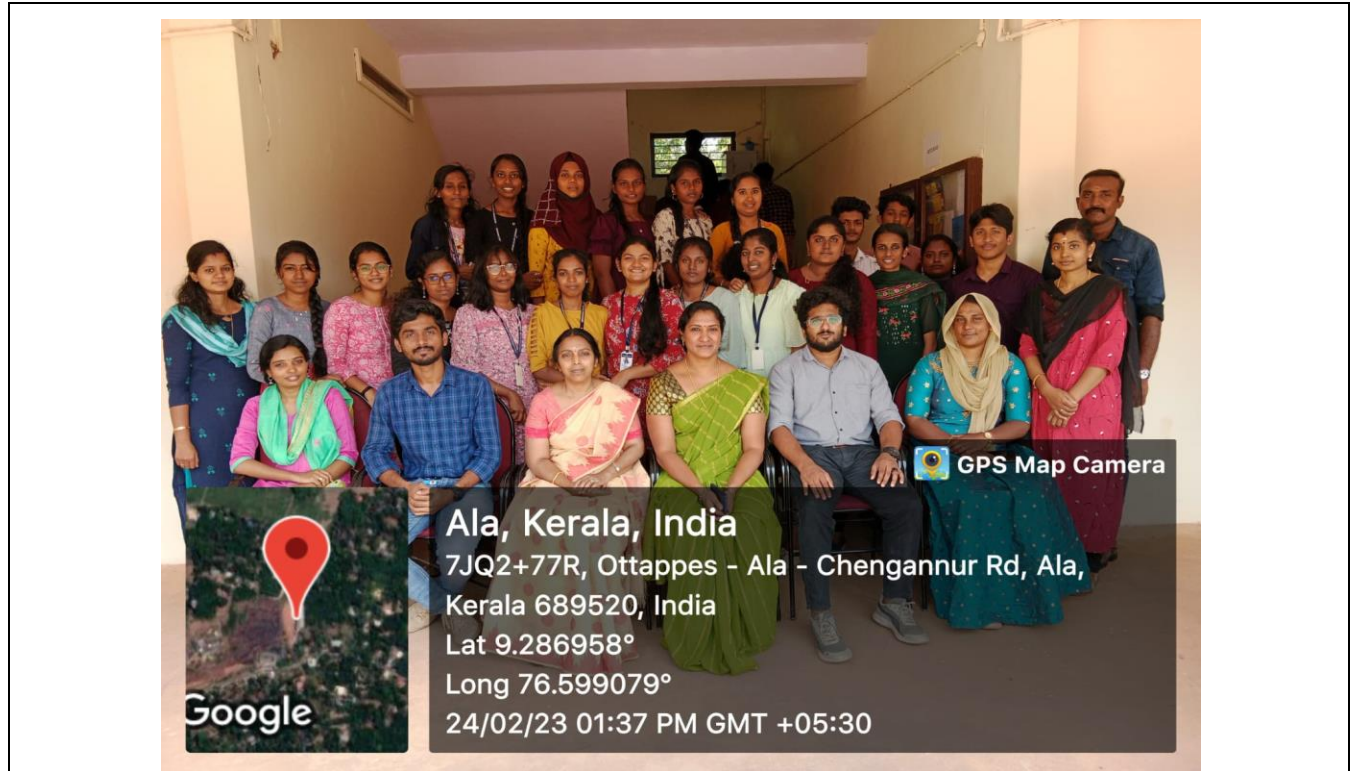
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23	23020128007	THOMAS KURIAKOSE	III B.Sc. Physics	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100
24	23020128008	TINI CHANDRAN	III B.Sc. Physics	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100
25	23020128009	AMRUTHA S	III B.Sc. Physics	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100
26	23020128010	ANJU UTHAMAN	III B.Sc. Physics	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100
27	23020128011	SWATHY SANTHOSH	III B.Sc. Physics	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100



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PHOTOGRAPHS



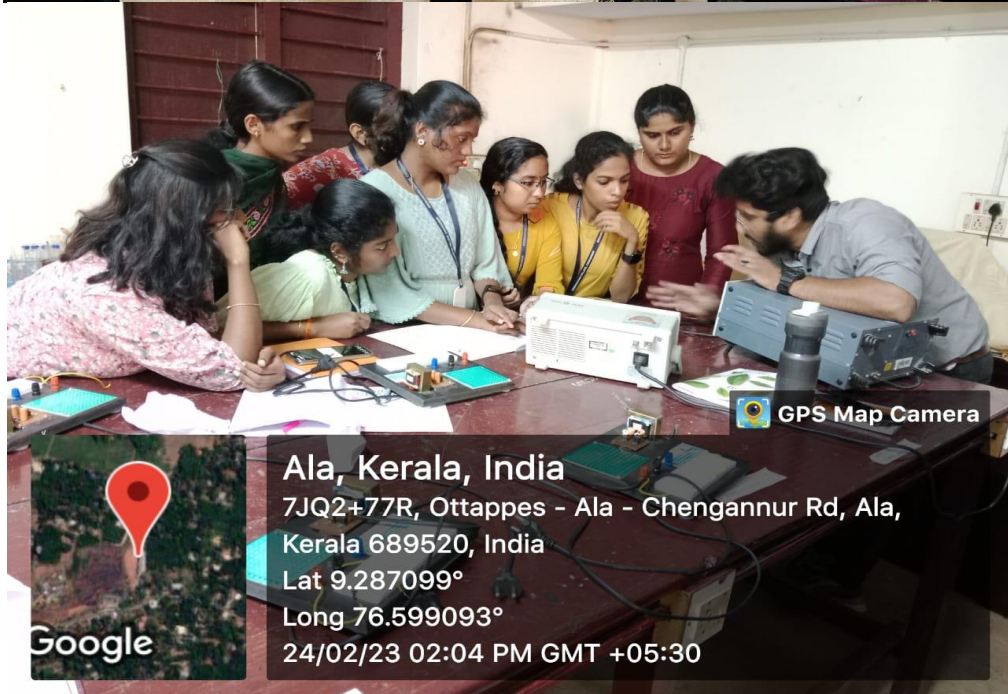
PARTICIPANTS OF CERTIFICATE COURSE



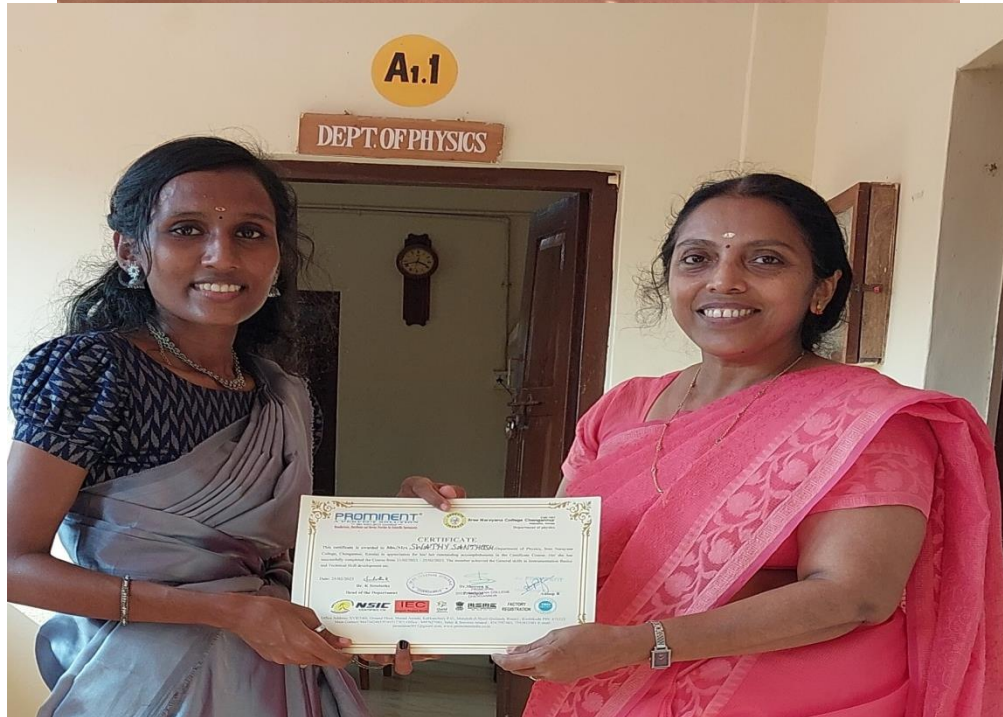
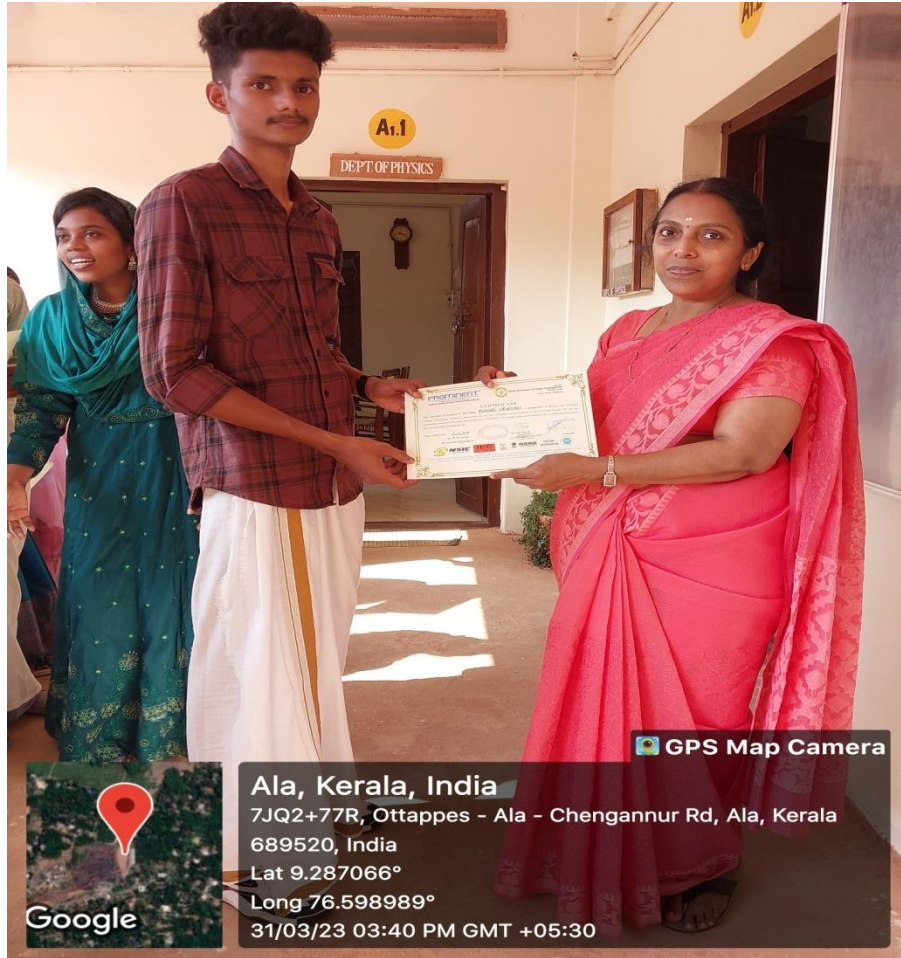
THEORY SECTIONS



PRACTICAL SESSIONS



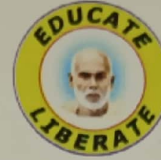
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CONCLUSION OF THE COURSE



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CERTIFICATE

This certificate is awarded to **Mr./Mrs**.....(Department of Physics, Sree Narayana College, Chengannur, Kerala) in appreciation for his/ her outstanding accomplishments in the Certificate Course. He/ she has successfully completed the Course from 21/02/2023 – 25/02/2023. The member achieved the General skills in Instrumentation Basics and Technical Skill development etc.

Date: 25/02/2023



Sreelatha K
Dr. K Sreelatha

Head of the Department

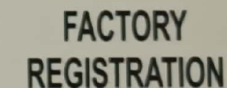
Dr. Shereen K

Dr. Shereen K

Principal

For **PROMINENT**
Anoop R
Trading Partner

Anoop R



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