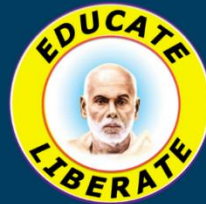


Certificate Course
**INSTRUMENTATION &
MAINTENANCE**

2022 MARCH 2-6



**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

IN ASSOCIATION WITH



Dr K Sreelatha
Head of the Department

Shereen K
Principal-in-Charge

For Registration & Details contact:

Dr K Sreelatha (Head, Dept. of Physics) 9447897925
Praveen K H (Course Co-ordinator) 9446285331
Shehina Shaji (Joint Course Co-ordinator) 7907387976



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 2021-2022- request permission reg:

Madam,

The Department of Physics plans to conduct a certificate course on “Instrumentation & Maintenance” for the UG and PG students of the department. The duration of the course is 30 hours. We plan to conduct the course from 02/03/2022 to 06/03/2022 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

In association with

PROMINENT, KOZHIKODE

CERTIFICATE COURSE

INSTRUMENTATION AND MAINTENANCE

2 MARCH 2022 to 5 MARCH 2022

SYLLABUS

Familiarization of Basic Tools and Operation (10 Hrs)

Digital Multimeter, Tester

CRO, Power supplies, Function Generator and other Lab equipment. Familiarization of Basic Components, Testing Troubleshooting

Circuit Knowledge (10 Hrs)

Components and their working including Resistor, Potentiometer, Presets, Capacitor, Inductor, Diode, Zener diode, Transistor, MOSFET,

IGBT, Relay, Regulator IC, General Ics,

Thermistor, Different Transducers, Transformer etc.

Basic Circuits and their Working, Troubleshooting methods etc

Familiarization of House Wiring and Home appliances / Troubleshooting (10 Hrs)

Understanding Phase, Neutral, Earth; Testing / Fault Finding. Precautions to be taken while working with Electricity

Familiarization of Fuse, Energy Meter, Mains Switch, MCB, ELCB and Its working.

Basic understanding of Domestic Wiring.



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SREE NARAYANA COLLEGE, CHENGANNUR
DEPARTMENT OF PHYSICS

Minutes of the Meeting

The minutes of the meeting of the Board of Studies of Certificate courses was held on 23rd 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. Mr.Praveen K H
3. Dr. Jincemon Cyriac
4. Ms.Shehina Shaji
5. Ms.Renju Ravi
6. Ms.Arya Raveendran
7. Ms.Reshma Remesh

The following points were discussed in the meeting.

- The BoS has decided to initiate the following certificate course in the academic year 2021-22.

INSTRUMENTATION AND MAINTENANCE

- 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 and Maintenance.
- 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 2/03/2022 to 6/03/2022.
- 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 signature of the principal.

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DEPARTMENT OF PHYSICS

CERTIFICATE COURSE

REPORT

INSTRUMENTATION AND MAINTENANCE

Date: 2/03/2022 to 6/03/2022

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, Chengannur. Mr. Praveen K.H, 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 four experts in different areas namely Vaisak A (R&D Engineer & Service Manager), Mohana Kumar M P (R&D Engineer), Muhammed Aslam K (Service Engineer) and Saidas S (Internal Operations Manager).

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.



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CERTIFICATE COURSE IN INSTRUMENTATION AND MAINTENANCE

Details of students enrolled for Certificate Course in 2021- 2022

Sl. No.	Candidate Code	Name of Student	Class	
1	23019128001	Aswin S P	III B.Sc. Physics	<i>Aswin</i>
2	23019128002	B. Sneha	III B.Sc. Physics	<i>Sneha</i>
3	23019128003	Haritha Harikumar	III B.Sc. Physics	<i>Haritha</i>
4	23019128006	Anu Madhu	III B.Sc. Physics	<i>Anu</i>
5	23019128007	Arsha Raj	III B.Sc. Physics	<i>Arsha</i>
6	23019128008	Ashina	III B.Sc. Physics	<i>Ashina</i>
7	23019128009	Aswin Sivanandh	III B.Sc. Physics	<i>Aswin</i>
8	23019128010	Rahul R	III B.Sc. Physics	<i>Rahul</i>
9	23019128011	Rashina A	III B.Sc. Physics	<i>Rashina</i>
10	23019128012	Sneha M	III B.Sc. Physics	<i>Sneha</i>
11	23019128013	Sreeraj R	III B.Sc. Physics	<i>Sreeraj</i>
12	23019128014	Sreeraj S	III B.Sc. Physics	<i>Sreeraj</i>
13	23019128015	Unnimaya J	III B.Sc. Physics	<i>Unnimaya</i>
14	63020128001	Aiswarya S	II M.Sc. Physics	<i>Aiswarya</i>
15	63020128002	Ardhana Chandran V S	II M.Sc. Physics	<i>Ardha</i>
16	63020128003	Arya M Nair	II M.Sc. Physics	<i>Arya</i>
17	63020128004	Aswathy J S	II M.Sc. Physics	<i>Aswathy</i>
18	63020128005	Binil G Edwin	II M.Sc. Physics	<i>Binil</i>
19	63020128006	Harishanker	II M.Sc. Physics	<i>Harishanker</i>
20	63020128007	Keerthi S S	II M.Sc. Physics	<i>Keerthi</i>
21	63020128008	Lijina Joy	II M.Sc. Physics	<i>Lijina</i>
22	63020128010	Samyuktha Suresh	II M.Sc. Physics	<i>Samyuktha</i>
23	63020128011	Sarath S Pillai	II M.Sc. Physics	<i>Sarath</i>
24	63020128012	Sruthi S	II M.Sc. Physics	<i>Sruthi</i>
25	63020128013	Vishnu P V	II M.Sc. Physics	<i>Vishnu</i>



[Signature]

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CHENGANNUR

PHOTOGRAPHS



PARTICIPANTS OF CERTIFICATE COURSE



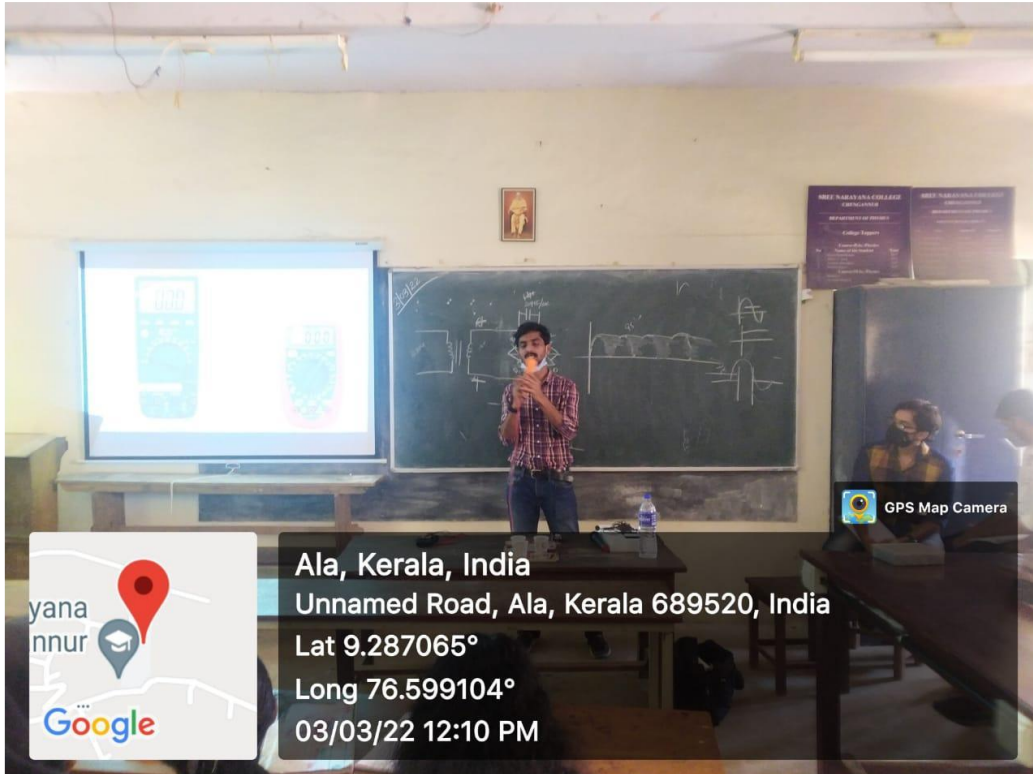
PRESIDENTIAL ADDRESS



WELCOME ADDRESS

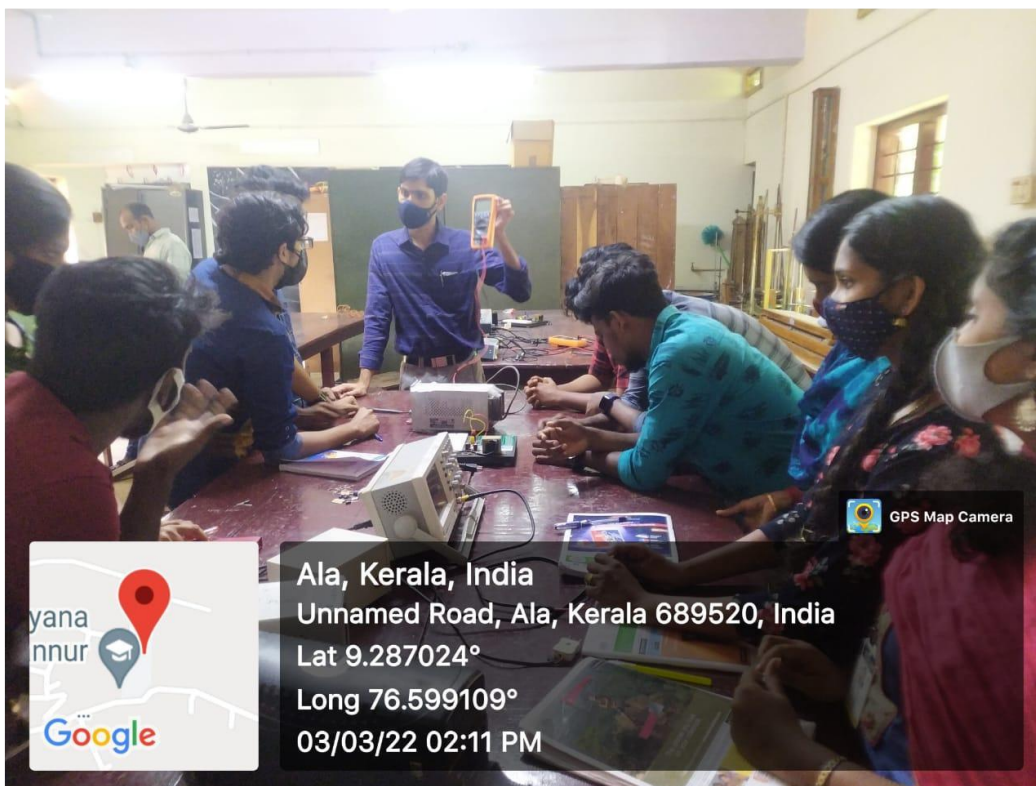


INTRODUCING DSO & CRO



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INTRODUCING MULTIMETER

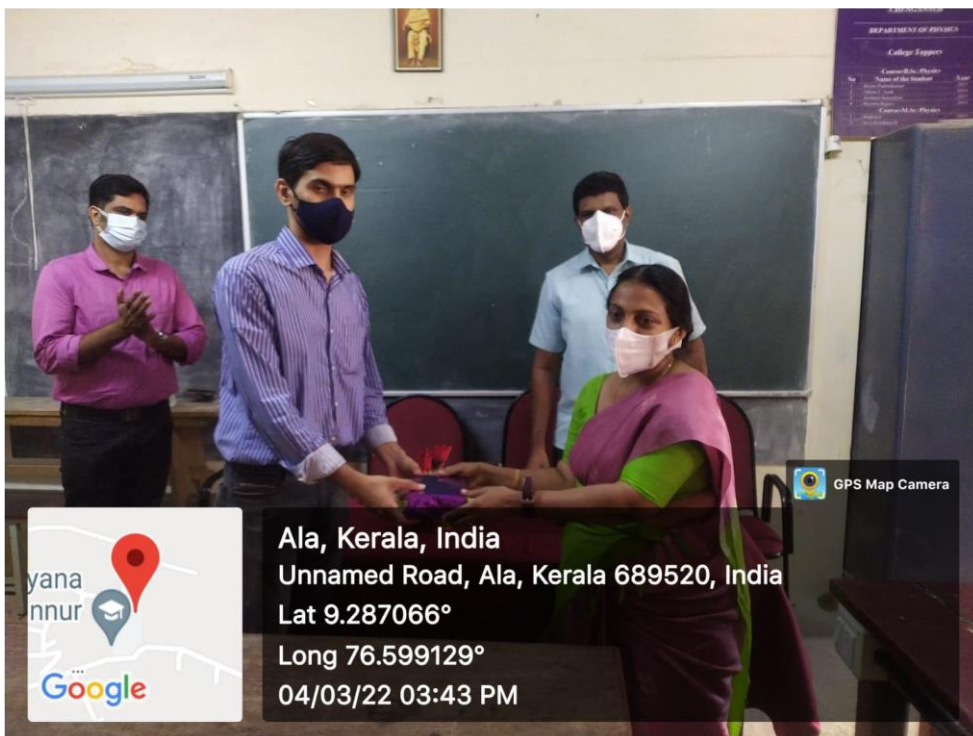


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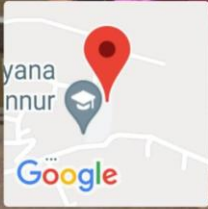
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CIRCUIT FAMILIARIZATION



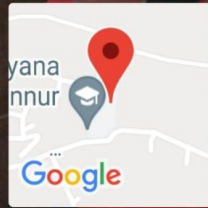
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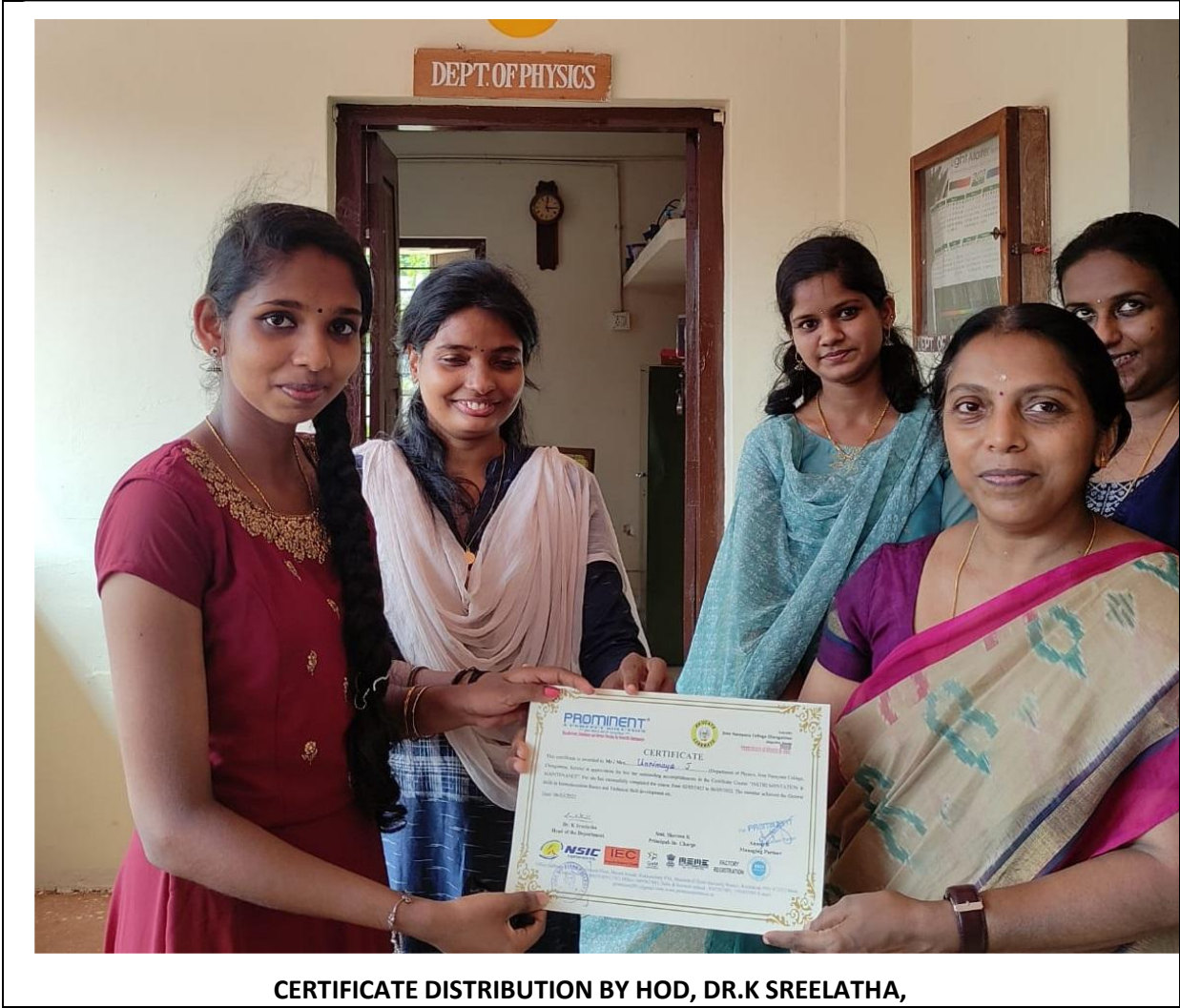
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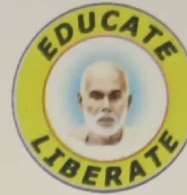
CERTIFICATE DISTRIBUTION BY PRINCIPAL SMT.SHEREEN K



CERTIFICATE DISTRIBUTION BY HOD, DR.K SREELATHA,



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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 “INSTRUMENTATION & MAINTENANCE”. He/ she has successfully completed the course from 02/03/2022 to 06/03/2022. The member achieved the General skills in Instrumentation Basics and Technical Skill development etc.

Date: 06/03/2022

Dr. K Sreelatha
Head of the Department.

Smt. Shereen K
Principal- in- Charge

For **PROMINENT**

Authorized Person
Anoop R
Managing Partner



NSIC
CERTIFIED CO.



MSME
MICRO, SMALL & MEDIUM ENTERPRISES

**FACTORY
REGISTRATION**



Office Address: XVII/540J, Ground Floor, Manad Arcade, Kakkanchery P.O., Mundoth (Ullyeri-Quilandy Route) ; Kozhikode PIN: 673323 Main
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