

N S S College, Nemmara
Department of Instrumentation
Annual Report 2018-19

FACULTY DETAILS

Sl No.	Name	Designation	Experience
1	Santhi Priya G	Assistant Professor & Head.	8 years
2	Aiswarya M	Assistant Professor	8 years
3	Sanal Kumar S	Assistant Professor	8 years
4	Sulfyth M	Guest faculty (Computer Science)	

ACTIVITIES 2018-2019

- TCS OPEN IGNITE Test was conducted on 20/6/2018 by Mr. Unnikrishnan P, Center Manager, TCS iON Training Partner. 85 students from Instrumentation, Mathematics and Chemistry department attended the test.
- Conducted PTA meeting for 5th Semester students on 4/10/2018. Several matters regarding attendance, terminal exam results, project, uniform, university exam results were discussed with the parents in detail.
- Conducted PTA meeting for 3rd Semester students on 29/11/2018. The parents were informed about the upcoming university exams and students' attendance.
- Conducted PTA meeting for 1st Semester students on 5/12/2018. The code of conduct to be followed in the campus, the importance of attendance and punctuality were discussed. The consequences of excessive use of mobile phones were also brought to the attention of the parents.

STUDENT ACHEIVEMENTS

Sports

Our students participated and excelled in the following competitions:

- ❖ Second in C zone Basketball tournament.
- ❖ First in C zone Volleyball tournament.



Basket Ball - C Zone Second

❖



Volley Ball - C Zone First

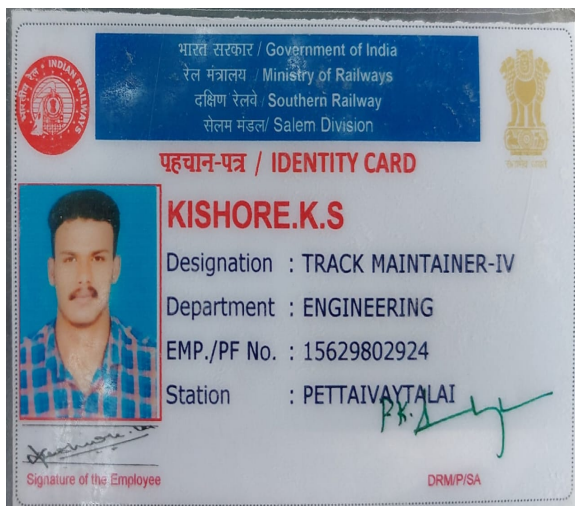
Arts

- First in A Zone Mime competition
- Second in A Zone Kolkali
- First in Chenda Thayambaga in A Zone and Interzone



STUDENT PROGRESSION

- Our students got placed in Southern Railway, Central Reserve Police Force, Global Scans & Diagnostic centre, DAXON Healthcare Private Limited.



- Seven of our Students enrolled to higher education(M.Sc Instrumentation, M.Sc Biomedical Instrumentation, LLB, Master of Social Work)

PASS PERCENTAGE

Department secured a pass percentage of 89.65% during the academic year 2018-19.

N S S College, Nemmara
Department of Instrumentation
Annual Report 2019-20

FACULTY DETAILS

SI No.	Name	Designation	Experience
1	Santhi Priya G	Assistant Professor & Head.	9 years
2	Aiswarya M	Assistant Professor	9 years
3	Sanal Kumar S	Assistant Professor	9 years
4	Sulfyth M	Guest faculty (Computer Science)	1 year

FACULTY AS MEMBERS IN:

- 1) Santhi Priya G
 - Academic Council, University of Calicut
- 2) Aiswarya M
 - Chairperson, Board of Studies, University of Calicut.

ACTIVITIES 2019-2020

- We conducted a seminar on the topic “Research Methodologies in Block Chain Technology”. The Keynote speaker Mr. Arundas V P, Assistant Professor in Computer Science gave a brief introduction about the basic concepts of Block Chain Technology and he also explained about how Block chain safe guards the digital information. The session was very interactive and beneficial for our students.
- Campus recruitment was conducted for the passed out students in the campus by Basil Biosolutions on 7/6/2019 at 11 am. A test was conducted for the students covering the Basic Electronics, Basic Electrical and Basic Computer Science Topics. 27 students attended the

test. Interview was conducted for the shortlisted students. Our student Sooryanarayanan T R got placed in the company.

- Conducted PTA meeting for 5th Semester students on 21/10/2019. Several matters regarding attendance, terminal exam results, project, tour, university exam results were discussed with the parents in detail.
- Conducted PTA meeting for 3rd Semester students on 31/10/2019. Our Principal Dr. S Venugopal presided over the meeting, he gave a brief introduction about the unwanted usage of mobile phones. The parents were informed about the centralized internal exams, upcoming university exams and the students' attendance.
- Conducted PTA meeting for 1st Semester students on 13/11/2019. Our Principal Dr. S Venugopal discussed in detail about the code of conduct to be followed in the campus. The importance of attendance and punctuality were discussed. The consequences of excessive use of mobile phones were also brought to the attention of the parents.

STUDENT ACHEIVEMENTS

Sports

1. Aswin N stood second in Kerala State Youth Championship.
2. Our students participated and excelled in the following competitions:
 - ❖ First in C zone Basketball tournament.
 - ❖ First in C zone Volleyball tournament.
 - ❖ Fourth in C zone Cricket tournament.



Volleyball
C zone 1st



Basketball
C zone 1st

Aswin N



Cricket
C zone 4th. Qualified for interzone

STUDENT PROGRESSION

- 7 students got enrolled to Higher Education from our department.
- 4 students got placed in Multinational Companies such as TCS, Infosys , etc

PASS PERCENTAGE

Department secured a pass percentage of 87.09% during the academic year 2019-20.

N S S College, Nemmara
Department of Instrumentation
Annual Report 2020-21

FACULTY DETAILS

Sl No.	Name	Designation	Experience
1	Santhi Priya G	Assistant Professor & Head.	10 years
2	Aiswarya M	Assistant Professor	10 years
3	Sanal Kumar S	Assistant Professor	10 years
4	Sulfyth M	Guest faculty (Computer Science)	1 years

FACULTY AS MEMBERS IN:

- 1) Santhi Priya G
 - Academic Council, University of Calicut
- 2) Aiswarya M
 - Chairperson, Board of Studies, University of Calicut.

ACTIVITIES 2020-2021

- Conducted topic related quizzes on kahoot platform.
- Conducted PTA meeting for the Third and Fifth Semester students through Google meet. Parents were informed about the importance of students attending the Online classes due to the Covid pandemic and upcoming online Internal Exams.
- Internal Assessments were done using Google forms and Kahoot.

STUDENT PROGRESSION

- Our students got placed in Infosys Multi National company , Kuwait Oil Company , Skysys Infosolutions OPC Pvt. Ltd., etc.
- Our student joined the Central Industril Security Force.



إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation



- Our Students enrolled to higher education (M.Sc Instrumentation)

PASS PERCENTAGE

Department secured a pass percentage of 90.32 % during the academic year 2020-21.

N S S College, Nemmara
Department of Instrumentation
Annual Report 2021-22

FACULTY DETAILS

Sl No.	Name	Designation	Experience
1	Santhi Priya G	Assistant Professor & Head.	11 years
2	Aiswarya M	Assistant Professor	11 years
3	Sanal Kumar S	Assistant Professor	11 years
4	Sulfyth M	Guest faculty (Computer Science)	2 years

FACULTY AS MEMBERS IN:

- 1) Santhi Priya G
 - Academic Council, University of Calicut
- 2) Aiswarya M
 - Chairperson, Board of Studies, University of Calicut.

ACTIVITIES 2021-2022

- Conducted topic related quizzes on kahoot platform.
- Conducted PTA meeting on 18/3/2022, parents of all the three classes took part in the meeting and they were informed about the semester results, student's attendance and other Academic activities.

STUDENT ACHEIVEMENTS

Sports

1. Abhishek K won third position in the University Taekwondo event.
2. Our students participated in the following competitions:
 - ❖ Runners in C zone volleyball competition held at SN College, Alathur.



STUDENT PROGRESSION

- Our students got placed in various Multi National Companies (Tata Consultancy Services), Sports Retailer Company (Decathlon Sports India), EPC service provider and Equipment supplier to the Oil & Gas, Defence and Shipbuilding Industries(Anchor Offshore Services Ltd), Syngene International Limited, Neptune Engineering and Construction, etc.



- 9 Students enrolled to higher education (M.Sc Biomedical Instrumentation, M.Sc Computer Science with specialization in Cyber Security, MCA)

ADD ON / CERTIFICATE COURSE

- The Department offered a Certificate course in “Real world applications of Instrumentation Technology” for the second year students.



 **NSS College, Nemmara**
Department of Instrumentation
Organizes
Certificate Course in Instrumentation
Real World Applications of Instrumentation
Technology (INSCC21)

Key Features

- ❖ Interesting classes on various applications of Instrumentation
- ❖ Classes in online mode
- ❖ E-certificate will be provided after successful completion

Classes starts from August 2021

Coordinator : Aiswarya M , Dept of Instrumentation

INDUSTRIAL VISITS

- Our students got an opportunity to explore the Instrumentation Facilities in the first large-scale fertilizer plant in India at Udyogamandal, The Fertilizers and Chemicals Travancore Ltd (FACT Ltd) Kochi.



PASS PERCENTAGE

Department secured a pass percentage of 100% during the academic year 2022-23.

N S S College, Nemmara
Department of Instrumentation
Annual Report 2022-23

FACULTY DETAILS

Sl No.	Name	Designation	Experience
1	Santhi Priya G	Assistant Professor & Head.	12 years
2	Aiswarya M	Assistant Professor	12 years
3	Sanal Kumar S	Assistant Professor	12 years
4	Sulfyth M	Guest faculty (Computer Science)	3 years

FACULTY AS MEMBERS IN:

- 1) Santhi Priya G
 - Academic Council, University of Calicut
 - Question paper setter for Kerala Agricultural University, Vellanikkara, Thrissur
- 2) Aiswarya M
 - Chairman, Board of Studies, University of Calicut.
- 3) Sanal Kumar S
 - NSS Programme Officer.

LIST OF EMINENT ACADEMICIANS AND SCIENTISTS / VISITORS TO THE DEPARTMENT:

- 1) Dr. Venugopal G, Professor, N S S College of Engineering, Palakkad.
- 2) Dr. Aysha V, Principal, College of Applied Science Ayalur.




ACTIVITIES 2022-2023

- Conducted a seminar on “Career Guidance and Entrepreneurship Development” on 13-06-2022. Mr Suresh , Inmakes Infotech Cochin was the resource person.
- Conducted a seminar on “Research Methodologies in Artificial Intelligence” on 15/02/2023 at seminar hall. Dr. Aysha V , Principal , CAS Ayalur was the resource person.
- Conducted a workshop on the topic “Biomedical data acquisition: Trends and Applications” on 03/03/2023 at seminar hall. Dr. Venugopal G, Professor, N S S College of Engineering, Palakkad was the resource person.
- Well placed students provided job oriented training to the students.
- Conducted a seminar on “Research Methodology (Science)” on 15-03-2023. Ms.Thara Paul, Research Scholar, Christ College Irinjalakkuda was the resource person.
- Conducted an online invited lecture on “Introduction to IPR and its importance in Modern Global Environment” on 12-04-2023 . Mr. Muhammad Suhail, Assistant Professor, St. Mary’s College Puthanagadi was the resource person.
- Conducted topic related quizzes on kahoot platform

NSS COLLEGE NEMMARA
 Dept of Instrumentation
 &
 Career Guidance & Placement cell

One day Seminar on
**CAREER GUIDANCE &
 Entrepreneurship Development
 PROGRAMME**

**Mr Suresh , INMAKES
 INFOTECH , PVT LTD, Cochin**



JUNE 13, 2022

Dr JyothisLekshmi P Principal
 Mrs Santhi Priya G Asst Prof & Hod
 Mr Sanal Kumar S Asst Prof & Coordinator



NSS COLLEGE NEMMARA
 Department of Instrumentation
 In Association with IQAC organizes an
 INVITED LECTURE on
**"Research Methodologies in Artificial
 Intelligence"**




Dr. AYSHA V
 PRINCIPAL
 COLLEGE OF APPLIED SCIENCE, AYALUR

Date: 15/2/2023
 Co-ordinator: Santhi Priya G



NSS COLLEGE NEMMARA
 Department of Instrumentation
 In Association with IQAC

Workshop on
**"Biomedical data Acquisition: Trends and
 Applications"**



Dr. Venugopal G
 Professor, Instrumentation and Control Engineering
 NSS College of Engineering, Palakkad

Date: 3/3/2023
 Time: 10 am
 Venue: Seminar Hall Program Co-ordinator: Santhi Priya G



STUDENT ACHEIVEMENTS

Sports

- Our students participated in the following competitions:
 - ❖ First in C zone basketball competition held at Yuvakshethra College, Mundur, Palakkad.
 - ❖ Third in C zone cricket competition held at Yuvakshethra College, Mundur, Palakkad.



Arts

- Many students participated in the A-zone and won prizes
 - 1) Anjana C won third prize for oil painting (individual).
 - 2) Asiya R won third prize for Mappilapattu (team).
 - 3) Anjana C won third prize for Margamkali(team).
 - 4) Nikhil H won second prize for quiz (team).



STUDENT PROGRESSION

- Six Students got placed in various companies.
- Eight Students enrolled to higher education.

ADD ON / CERTIFICATE COURSE

- The Department offered an Add on course in “Computer Hardware Repair and Maintenance” for the final year students.

- The Department offered a Certificate course in “Soft Skill Development Programme” for the second year students.



NSS COLLEGE NEMMARA

ationally Re-accredited with 'A' grade by NMAC

Department of Instrumentation

CERTIFICATE COURSE (2022-23)

SOFT SKILL DEVELOPMENT PROGRAMME

About the Dept

The Department of Instrumentation began functioning in the college in 1999 with an intake of 24 students. Since its inception, department is producing good results. BSc instrumentation programme is one such course in science stream under CUCBSS scheme of the University of Calicut. Nemmara, being a socially and economically weak area through this course we are giving an ample opportunity to the students to avail a course almost equal to B Tech structure. This aided course helps the students from backward area to utilize the advantageous of professional type course. This restructured undergraduate science course provides students with a broad-based exposure to the critical domains of sciences with adequate background of mathematical sciences. The tools and techniques of computer applications, modern instrumentation, electronics and analytical techniques have a major role in curriculum. The open courses offered ensure adequate exposure to global and local concerns that explore the many aspects of societal relevance in environmental science .It also gives opportunity to explore the multidisciplinary nature of science.

Course Highlights

After the completion of the course, students will be able to,

- Understand the significance and essence of a wide range of soft skills.
- Learn how to apply soft skills in a wide range of routine social and professional settings.
- Learn how to employ soft skills to improve interpersonal relationships.
- Learn how to employ soft skills to enhance employability and ensure workplace and career success.

ed your text

Course Code NNIN3A22

Title of the Course SOFT SKILL DEVELOPMENT PROGRAMME

Semester in which course is to be taught First semester of academic year

Batch Second Year students (2022-23)

Number of contact hours 30

Duration: Three Months

JyothiLekshmi P Mrs Santhi Priya G Mr Sanal kumar S , Mrs Aiswarya M
Principal Asst Prof & HoD Asst Prof & Course Coordinators

NSS COLLEGE NEMMARA
Nationally Re-accredited with 'A' grade by NAAC

Dept of Instrumentation

**ADD ON COURSE
 (2022-23)
 COMPUTER HARDWARE
 REPAIR & MAINTENANCE**

About the Department
 The Department of Instrumentation began functioning in the college in 1999 with an intake of 24 students. Since its inception, department is producing good results. BSc Instrumentation programme is one such course in science stream under DUKSS scheme of the University of Calicut. NEMMARA, being a socially and economically weak area through this course we are giving an ample opportunity to the students to avail a course almost equal to B Tech structure. This aided course helps the students from backward area to utilize the advantageous of professional type course. This restructured undergraduate science course provides students with a broad-based exposure to the critical domains of sciences with adequate background of mathematical sciences. The tools and techniques of computer applications, modern instrumentation, electronics and analytical techniques have a major role in curriculum. The open courses offered ensure adequate exposure to global and local concerns that explore the many aspects of societal relevance in environmental science. It also gives opportunity to explore the multidisciplinary nature of science.

Course Highlights
 Certificate Course in COMPUTER HARDWARE REPAIR & MAINTENANCE is a short term skill development Certificate course offered by the Department of Instrumentation in association with Authentic Systems, NEMMARA, Palakkad. It is an attempt to increase the employability of the unemployed youth of the rural areas, through academia-industry linkage. This will result in better employment prospects for the rural poor that would ultimately lead to their financial independence. The programme is in tune with the academia-industry linkage mechanism as proposed by University Grants Commission.

Course Outcomes

1. To enable the students to acquire knowledge and technical competency in the field of computer Hardware, Networking and Maintenance.
2. To enable the students to gain in depth knowledge in computer error diagnosis, drive partitioning and installations.
3. To enable students to become expert in Maintenance and troubleshooting of computer system and its peripherals.
4. To enable students to test power supplies They must also possess basic skills of assembling desktop computers, interfacing with peripheral devices, installing new devices and carry out preventive and breakdown maintenance and troubleshooting.

Course Code NNIN5A22
 Number of contact hours 30
 Batch :Final Year students (2022-23)
 Duration : Three Months

**Dr JyothiLekshmi P , Principal
 Mrs Santhi Priya C , Asst Prof & HoD
 Mr Sanal kumar S , Mrs Aiswarya M
 Asst Prof & Course Coordinators**




INDUSTRIAL VISITS

- The department conducted an Industrial Visit Programme and Training session on Tea Manufacturing Process at Anchoor Tea Factory, Wayanad, Kerala.



PASS PERCENTAGE

- Department secured a pass percentage of 100% during the academic year 2022-23.