



# Student Support and Progression

## Criterion 5

Criterion 5.1

Student Support



SREE SANKARA COLLEGE  
SANKAR NAGAR, MATTOOR  
KALADY P.O, ERNAKULAM – 683 574  
(Affiliated to MG University)



# SREE SANKARA COLLEGE, KALADY

Established in 1953

Affiliated to Mahatma Gandhi University, Kottayam

Re-accredited by NAAC in the 4<sup>th</sup> cycle with grade B++

## Metric 5.1.2

# Capacity Building and Development Programmes

## ICT/Computing Skills Enhancement Programmes

2023-24

Prepared by

**Internal Quality Assurance Cell**

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Kerala, PIN: 683574, Ph:0484-2462341

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## ICT & COMPUTING SKILLS ENHANCEMENT PROGRAMMES

### 1. Add-On Course on Translation and Hindi Computing

- Resource Person: Faculty Members of Hindi Department
- Date: 11.11.2022
- Organised by: Department of Hindi
- No: of students benefitted: 19



**SREE SANKARA COLLEGE,  
KALADY**

**Add On Programmes 2022 – 2023  
Hindi Department**

- Title of the programme -Translation And Hindi Computing
- Programme contents - Theory of Translation,Types of Translation, Process of Translation,Translation of different passages ,Hindi Softwares,Hindi Computing [Practical]
- Programme Highlights-To explain the meaning of Translation,To discuss the opportunities available in the field of translation,To explain Hindi softwares and fonts.
- Programme Duration in hours-30hrs
- Job Prospects -Hindi Translator,Hindi Officer ,Hindi typist in Various Central and State Govt sectors.
- Total fee - 600 Rs | Total fee]
- Mention on Field trips, internships, if any is involved -Lab Facility

**HOD**  
Dr. Ratheesh C Nair

**Co ordinator**  
Dr. Rupesh R  
Dr. Rejani V A



## 2. Add-On Course on Introduction to Machine Learning Using Python

- Resource Person: Faculty Members of Department of Statistics and Computer Science
- Date: 18.11.2022
- Organised by: Department of Statistics and Computer Science
- No: of students benefitted: 9

**INTRODUCTION TO MACHINE LEARNING USING PYTHON**

Course code-SSCADP17

This add-on course is conducted by the Post Graduate Department of Statistics.

Python is a popular general-purpose programming language. It is used in machine learning, web development, desktop applications, and many other fields.

Our course will cover fundamental concepts of Python and basics of machine learning.

<b>MODULE 1</b> Introduction to Python and data structures	<b>MODULE 2</b> Control flow structures Numpy, Pandas, Matplotlib
<b>MODULE 3</b> Introduction to Machine learning, Decision Tree Learning	<b>MODULE 4</b> Artificial Neural Networks, Bayesian Learning, Ensemble Learning




## 3. Add-On Course on Bioinformatics & Computer Aided Drug designing

- Resource Person: Vivas Salim, Asst. Professor, Department of Biosciences, M E S College, Marampally, Aluva
- Date: 20.12.2022
- Organised by: Department of Biotechnology
- Collaborator/Consultant/Industry Partner: M E S College, Marampally, Aluva
- No: of students benefitted: 57

<p><b>INAUGURATION BY</b></p>  <p><b>PRINCIPAL DR. PREETHI NAIR</b></p> <p>SREE SANKARA COLLEGE, KALADY.</p> <p>WHAT YOU WILL GAIN FROM THIS PROGRAMME :</p> <ul style="list-style-type: none"> <li>• A FOUNDATION IN THE BIOLOGICAL AND COMPUTATIONAL CONCEPTS CENTRAL TO BIOINFORMATICS.</li> <li>• AN UNDERSTANDING OF THE ORIGIN OF BIOLOGICAL DATA, AS WELL AS HOW TO MANIPULATE THEM AND DETERMINE THEIR QUALITY.</li> <li>• EXPERIENCE PERFORMING EFFECTIVE BIOLOGICAL DATABASE SEARCHES AND ANALYSES</li> </ul>	 <p><b>DEPARTMENT OF BIOTECHNOLOGY</b></p> <p>CORDIALLY INVITES YOU TO THE <b>INAUGURATION OF ADD-ON COURSE PROGRAMME ON BIOINFORMATICS AND DRUG DESIGNING</b></p> <p>VENUE - MINI SEMINAR HALL, (SF BLOCK , GROUND FLOOR). SREE SANKARA COLLEGE, KALADY.</p> <p><b>TIME: 10. 30 AM DATE: 14TH DECEMBER 2022, WEDNESDAY</b></p> <p>WE SOLICIT YOUR GRACIOUS PRESENCE AT THIS AUSPICIOUS EVENT.</p>	<p><b>GUEST OF HONOUR</b></p>  <p><b>MR VIVAS SALIM</b> ASSISTANT PROFESSOR</p> <p>DEPARTMENT OF BIOSCIENCES MES COLLEGE, MARAMPALLY</p> <p>PROGRAM CO-ORDINATORS</p> <ul style="list-style-type: none"> <li>• MRS. SUJAYALAKSHMI K V</li> <li>• DR. RENJUSA MENON</li> <li>• MISS. JEENA SUSAN JOSEPH</li> </ul> <p>FOR MORE DETAILS PLEASE CONTACT : +91- 9961518907</p>
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#### 4. Add-On Course on Arduino and Compatibles

- Resource Person: Dr. Aiju Thomas, Department of Electronics and Communication Engineering, Govt Polytechnic College, Perumbavoor
- Date: 27.01.2023
- Organised by: Department of Physics
- Collaborator/Consultant/Industry Partner: Additional Skill Acquisition Programme (ASAP), Govt. of Kerala, Govt Polytechnic College, Perumbavoor
- No: of students benefitted: 31

	<p><b>Department of Physics, Sree Sankara College, Kalady</b> In association with <b>Industry on Campus (IOC),</b> Government Polytechnic College, Perumbavoor An initiative of ASDC, ASAP</p>	
<p><b>Add-on Programme ARDUINO AND COMPATIBLES</b></p>		
<p><b>Skill Components:</b></p> <ul style="list-style-type: none"> <li>• Coding</li> <li>• Developing simple interfacing applications using Arduino</li> <li>• Developing Real time application using ATMEGA328</li> </ul>	<p>Your First step towards <b>ROBOTICS !!!</b></p> <p>Classes starting in November !!</p>	
<p>For admission, contact: Dr. Sinitha B. Nair, 8086676563</p>	<p><b>Duration: 30 hours</b> <b>Fee: Rs. 650/-</b></p>	






DEPARTMENT OF PHYSICS  
**Sree Sankara College, Kalady**  
 In association with  
 INDUSTRY ON CAMPUS (IOC)  
**Govt. Polytechnic College, Perumbavoor**  
 Inauguration of Add-On Programme  
**ARDUINO and COMPATIBLES**



Inaugural Talk by  
**Dr. AIJU THOMAS**  
 Principal,  
 Govt. Polytechnic College  
 Perumbavoor

**PHYSICS: Thinking out of the box**

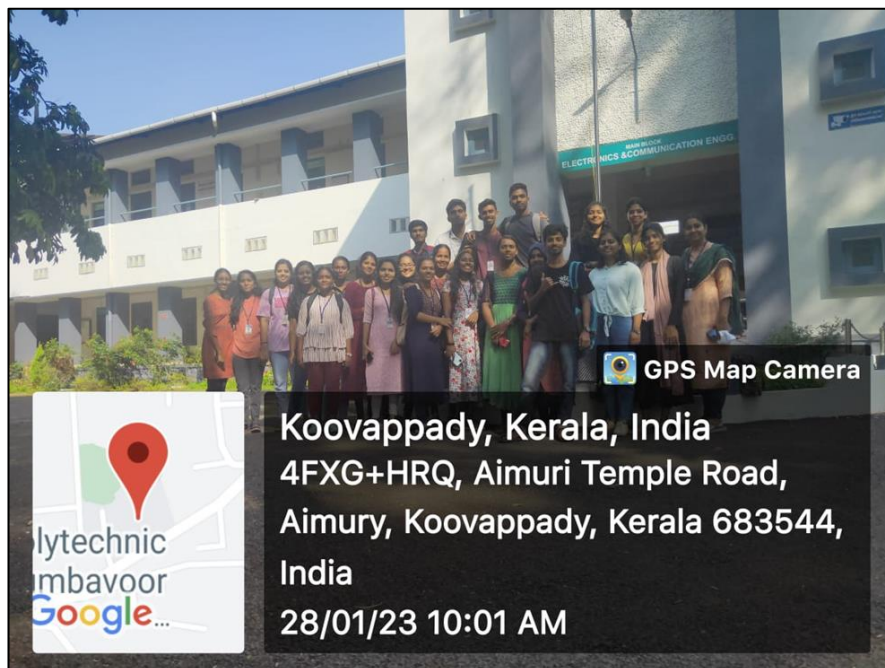
**PROGRAM**

- Welcome: **Dr. Sinitha B. Nair**
- Presidential Address: **Dr. Preethi Nair**
- Inauguration and Inaugural address:  
     **Dr. Aiju Thomas**
- Felicitations: **Smt. Gopika G.**
- Vote of Thanks: **Sri. Ben Jose**

Time:  
**9.10 am**  
**22.12.2022, Thursday**

Venue:  
**Sri. Chandrasekhara Bharathi  
 Theertha Seminar Hall**

*All are Cordially Invited..!*    Contact: 8086676563



Students at Govt Polytechnic College, Perumbavoor



Inauguration of Add-On Course by Dr. Aiju Thomas, principal, Govt Polytechnic College, Perumbavoor



Students working at Computer Lab, Govt Polytechnic College, Perumbavoor



Signing MoU with ASAP

#### 5. Skill Sharing Programme on Statistical Packages

Resource Persons: Students of the Department of Statistics, Nirmala College, Muvattupuzha

- Date of Starting: 07.01.2023
- Conducted by: Department of Statistics, Sree Sankara College Kalady
- Collaborator/Consultant/Industry Partner: Nirmala College, Muvattupuzha
- No: of students benefitted: 30





# SKILL SHARING PROGRAM

*with students of  
Nirmala College Muvattupuzha*

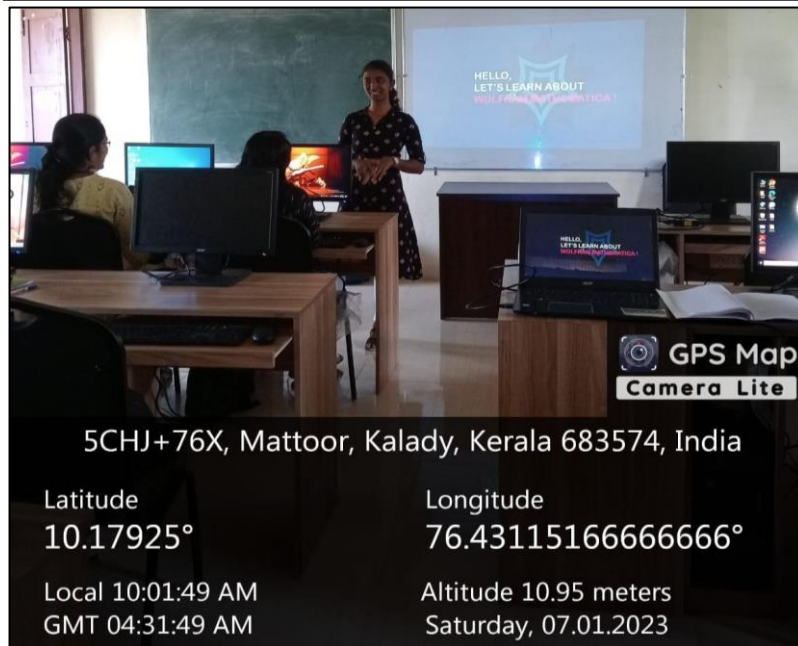
The skill sharing program in Mathematical Science with students of other institutions is a fantastic opportunity for students to learn from and collaborate with their peers from different educational backgrounds. Through this program, students have the chance to exchange knowledge and expertise on various mathematical concepts and techniques related to Data Science.

## Topics

- Wolfram Cloud
- Natural Language Processing
- Image Processing in Octave
- Biodata preparation in Canva
- ChatGPT

**Date : 07-01-2023**  
**Saturday**  
**Time : 9:30AM-3:30PM**

**Department of Statistics**  
Sree Sankara College, Kalady

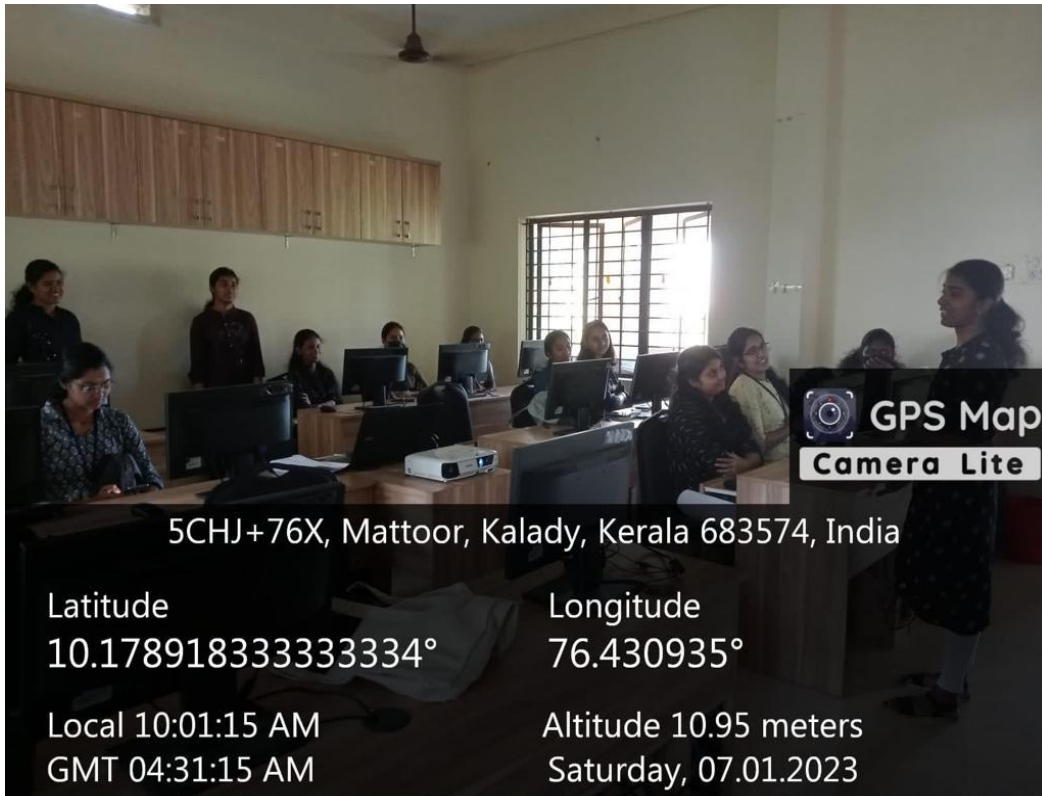


HELLO, LET'S LEARN ABOUT WOLFRAM CLOUD

GPS Map  
Camera Lite

5CHJ+76X, Mattoor, Kalady, Kerala 683574, India

Latitude 10.17925°	Longitude 76.43115166666666°
Local 10:01:49 AM GMT 04:31:49 AM	Altitude 10.95 meters Saturday, 07.01.2023



6. **Add-On Course -Cyber Security and Ethical Hacking**

- Resource Persons: Mr. Dhanoop P R, Cyber security Analyst, TECHBYHEART Pvt. Ltd.

Mr. Josy Georgy, Cyber security Analyst, TECHBYHEART Pvt. Ltd.

- Date of Starting: 21.01.2023
- Conducted by: Department of Computer Science
- Collaborator/Consultant/Industry Partner: TECHBYHEART Pvt. Ltd.
- No: of students benefitted: 33

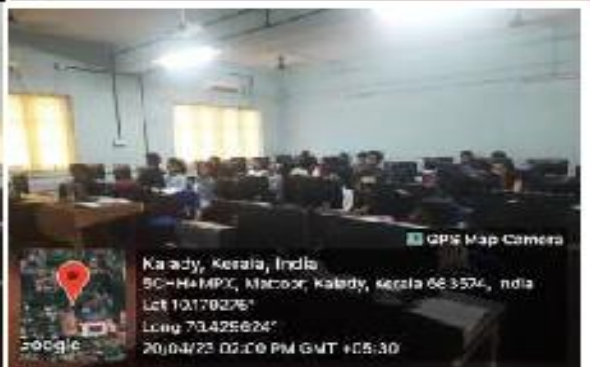
**SREE SANKARA COLLEGE, KALADY**  
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Sankar Nagar, Mattoor, Kalady-683 574

**DEPARTMENT OF COMPUTER SCIENCE**  
offers  
**ADD ON PROGRAMME**  
**CYBER SECURITY & ETHICAL HACKING**

**COURSE CODE: SSCADP25**  
**\*Industry Partner: Techbyheart India Pvt Ltd.**

**CO-ORDINATOR**  
Ms. Sowmya M R  
Assistant Professor  
9895991546  
sowmyamr.ssc@gmail.com

**Course Fee: Rs. 650/-**  
**Duration: 36 hours**



## 7. Workshop on Machine Learning

- Resource Person: Dr. Shailesh S, Assistant Professor, Dept. of Computer Science, CUSAT
- Date of Starting: 20.01.2023
- Conducted by: Department of Statistics
- No: of students benefitted: 30

### ABOUT US

Sree Sankara College Kalady is one of the leading educational institutions in Emakulam district. The institution, affiliated to Mahatma Gandhi University, was founded in the year 1954 by Swami Agamananda, a social reformer and a foresighted scholar of Sri. Ramakrishna Advaita Ashram. In June 1960, the patronage of the college became vested in His Holiness Jagadguru Sri Sri Sankaracharya Swamikal of Dakshinamnaya. Currently Sri Sri Bharathi Theertha Mahaswamikal and Sri Sri Vidhusekhara Bharathi Mahaswamikal of Sringeri Muut, steers the administration through a Board of Directors.

### SMART Scheme of IQAC

SMART (Sree Sankara Management Aid for Research and Transformation) is the scheme for extending financial support to the departments for conducting workshops, seminars and webinars.

### Post Graduate Department of Statistics

The department of Statistics was established in the year 1993 with the introduction of B.Sc. Statistics Programme with Mathematics and Computer Science as complementary courses. In 2020, Kerala government sanctioned an aided programme M.Sc. Statistics with Data Science. The department has a well-equipped computer centre exclusively for the M.Sc. students. Students are provided training in softwares like Python, R and SPSS.

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POSTGRADUATE DEPARTMENT OF STATISTICS

Organizes

Two day Workshop  
 on

**MACHINE LEARNING**

20<sup>th</sup> & 21<sup>st</sup> January 2023

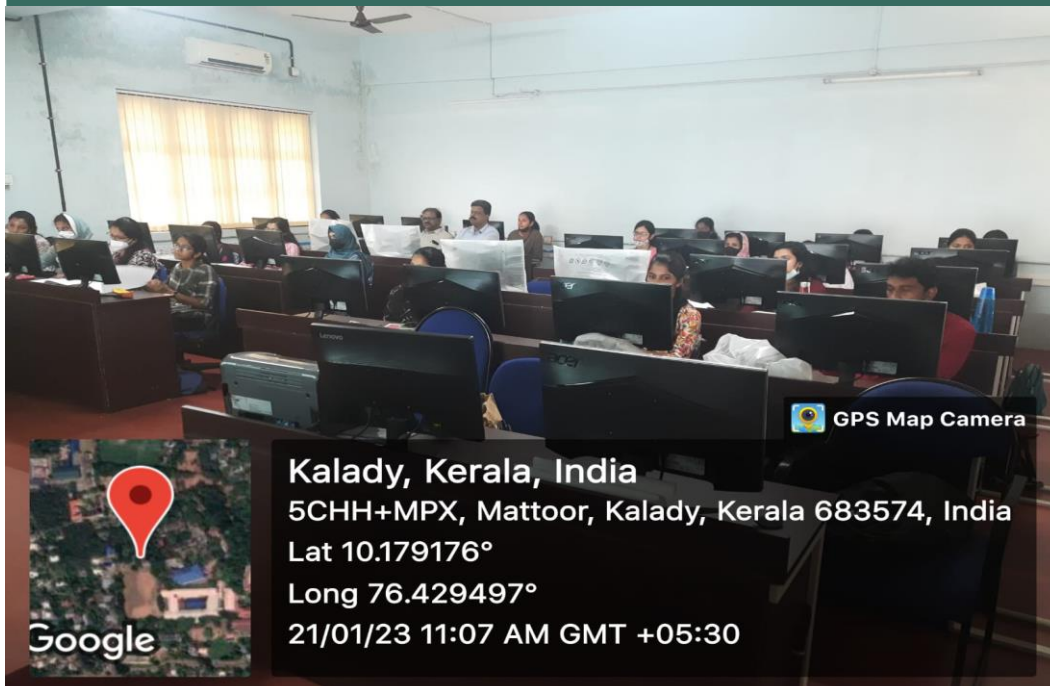
Under  
 SMART SCHEME, IQAC,  
 SREE SANKARA COLLEGE, KALADY

### Significance of the Workshop

In the era of big data and artificial intelligence, data science and machine learning have become essential in many fields of science and technology. Python Statistics libraries have comprehensive, popular, and widely used tools that will help to work with data.



This workshop aims at providing a conceptual understanding of how machine learning techniques can be used to model and solve the real world applications. It will provide the participants hands-on training sessions on various machine learning algorithms.



GPS Map Camera



**Kalady, Kerala, India**  
 5CHH+MPX, Mattoor, Kalady, Kerala 683574, India  
 Lat 10.179176°  
 Long 76.429497°  
 21/01/23 11:07 AM GMT +05:30

## 8. Student Enrichment Programme

- Resource Person: Prasanth V P, Associate Director, IQVIA, Infopark, Cochin and Dr. T.M Jacob, Associate Professor, Nirmala College, Muvattupuzha
  - Date of Starting: 03.03.2023
  - Conducted by: Department of Statistics
  - No: of students benefitted 30

### About SEPSTAT 2023

Data visualization is a major step in data science to demonstrate the information contained in the data effectively. Real-time data is dynamic data that is continuously generated from a variety of sources like sensors, cameras, social media feeds, e-commerce purchases, geo-location tracking, server activity, website activity, weather events etc. Real-time data analytics is a technique that analyses data as it happens. GNU OCTAVE is a high-level programming language primarily intended for scientific computing and numerical computation. WOLFRAM CLOUD is a computational system in the modern cloud environment, accessible directly in the web browser of the client with no installation or configuration required. Natural Language Processing (NLP) is the broad class of computational techniques for incorporating speech and text data, along with other types of engineering data, into the development of smart systems.

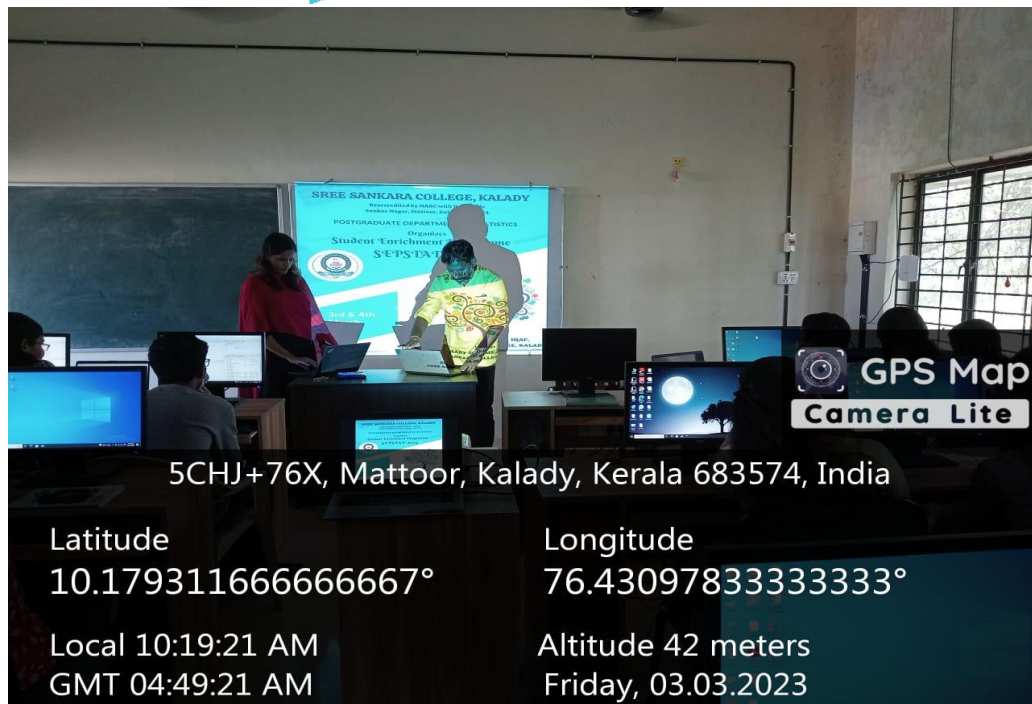
SEPSTAT-2023 aims at providing a conceptual understanding of data visualization techniques, procedure to get real time data in Google Sheets and introduction to OCTAVE, WOLFRAM CLOUD and NLP. It will provide the participants with hands-on training sessions on these techniques.

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POSTGRADUATE DEPARTMENT OF STATISTICS  
Organizes  
**Student Enrichment Programme**  
**SEPSTAT- 2023**

3rd & 4th  
March  
2023

Under  
**SMART SCHEME, IQAC,**  
**SREE SANKARA COLLEGE, KALADY**



2.

