

## Soft skill enhancement initiatives

Soft skill- Field visit to explore Mangrove Ecosystems, Department of Botany	05/06/2023
Soft skill-Hands-on Training for Making and Assembling Extension Boards, Department of Physics	02/08/2023
Soft skill- Two Day National Seminar on Linear Algebra and its Application (NSLAA 2023), Department of Mathematics.	02/11/2023-03/11/2023
Soft skill- one day workshop on Local History	03/11/2023
Soft Skill -"Exploring the New Methodological Trends and the Themes in Historical Writing" , Two DAY National Seminar, Department of History	21/11/2023-22/11/2023
Soft skill- Research Orientation Talk 'Beyond the Lab: How Researchers Impact Social Good'. Department of Zoology	28/11/2023
Soft skill-LED Christmas Star Making Workshop Organized by the Department of History and Physics	11-12-2023
Soft skill- Talk on Application of Entomology in Forensic Scienc, Dept. of Zoology	13/12/2023
Soft skill- Hands-on training programme on Rooftop farming , Dept. of Zoology	08/01/2024

### **1. Field visit to explore Mangrove Ecosystems:**

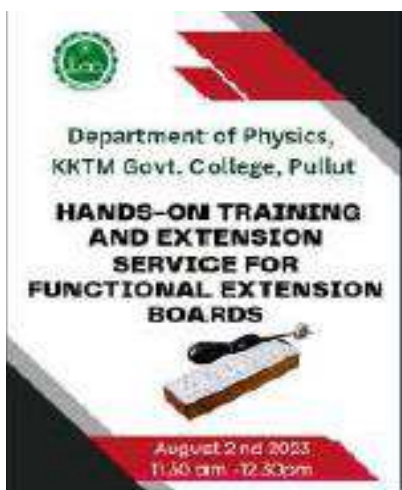
On 5 th June 2023 students of Dept. of Botany were taken to the mangrove forest near to the campus to get them acquainted with common mangrove plants, other associated flora and fauna and the correlations that exist in a mangrove ecosystem. On the way they made awareness to local people by holding placards about mangrove conservation. Main objective of this activity is protection and conservation of wetlands in the Pullut area. The programme was collaborated with Nature Club of the College. 22 students of first year BSc Botany were taken to explore mangrove ecosystem. Our teaching faculty Parvathy H S and non teaching staffs Umesh and Mini accompanied them.



## **2. Hands-on Training for Making and Assembling Extension Boards**

The Department of Physics arranged a hands-on training conducted by our lab attenders for the students on the making and assembling of extension boards for the department and laboratory on 02/08/2023. The training aimed to equip the students with practical skills in electronics and provide them with the knowledge to create extension boards to enhance various experiments and projects within the department and laboratory.

The hands-on training for making and assembling extension boards was a resounding success. It not only equipped the students with valuable practical skills but also fostered collaboration and knowledge-sharing across various departments and common rooms in the college.



### 3. Two Day National Seminar on Linear Algebra and its Application (NSLAA 2023)

**Organized by**

**POST GRADUATE DEPARTMENT OF MATHEMATICS  
in association with IQAC on 2-3 November 2023**

- Date: 2-3 November 2023
- Venue: Seminar Hall, Muziris Convention Centre
- Inaugural Function was conducted at 10.00am- 10.45 am on 2<sup>nd</sup> November 2023

Programme was inaugurated by Dr. Praveen I., Asst. Professor, Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore. Principal Dr. Bindu Sharmila T.K. presided over the function. Dr. Resmi T., Associate Professor in Mathematics delivered words of welcome and Dr. Lovely George, IQAC coordinator offered felicitations. Mr. Murali T.K., Asst. Professor in Mathematics and Seminar coordinator concluded the session with vote of thanks.

- First technical session was handled Dr. Praveen I. on 'Linear Algebra and Cyber Security from 11.00am to 12.30 pm followed by other technical

- On 3<sup>rd</sup> November programme was concluded by the valedictory function. Mr.Balaji M.N. delivered welcome speech. Participants gave oral and written feedback. Participation Certificate were distributed. Seminar Coordinator Murali T.K. delivered vote of thanks.
- Two Day Seminar was successfully completed with Valedictory function by 3.30pm on 3<sup>rd</sup> November 2023.
- 43 participants are there including teachers and students

## KKTm GOVERNMENT COLLEGE

PULLUT, KODUNGALLUR, THIRISSUR-680663,  
KERALA, INDIA

*(Affiliated to the University of Calicut &  
Re-accredited by NAAC with 'A' Grade)*



### TWO DAY NATIONAL SEMINAR ON LINEAR ALGEBRA AND ITS APPLICATIONS

#### (NSLAA-2023)

**2<sup>nd</sup> & 3<sup>rd</sup> November 2023**

*Organized by*  
**Post Graduate Department of  
Mathematics in association with  
IQAC, KKTm Govt. College, Pullut**

*Sponsored by*  
**Directorate of Collegiate Education,  
Govt. of Kerala**

*Venue:*  
**Seminar Hall,  
Muziris International Convention Center,  
KKTm Govt. College, Pullut**

**About the College:**

Kodungallur Kunhikuttan Thampuran Memorial Government College, situated at Pullut, near Kodungallur is named after the great scholar-poet Kunhikuttan Thampuran who came to be called 'The Kerala Vyasa' for his brilliant rendering of the great epic, 'The Mahabharatha' into the vernacular.

**About the Department:**

The Post Graduate Department of Mathematics was established in the year 1965. The Degree Course in Mathematics was started in the year 1981 and the Post Graduate Programme was started in 2012.

**About the Seminar:**

The seminar's goals are to give participants a basic understanding of some key concepts of Linear Algebra and how they are used in other fields of mathematics and other disciplines.

**Call for Abstract:**

Those who are interested in paper presentation may send their abstract by post or email to the coordinator on or before 27.10.2023

**Respected Sir/Madam,**

The Post Graduate Department of Mathematics, KKTm Govt. College, Pullut is organizing a Two-Day National Seminar on 'Linear Algebra and its Applications' on 2<sup>nd</sup> and 3<sup>rd</sup> November 2023. We cordially invite your faculty members, research scholars and PG students of your esteemed institution to participate in this Seminar.

Principal

Head of the Department

**Organizing Committee**

Dr. Bindu Sharmila T. K.	Principal
Dr. Lakshmy V.P.	HoD
Dr. Resmi T.	
Dr. Sabna K.S.	
Mr. Murali T.K.	
Ms. Megha P.M.	
Mr. Balaji M.N.	
Dr. Deepthi A.N.	
Ms. Vidyalakshmi P.V.	

**For more details:**

Mr. Murali T. K.  
Coordinator  
Mob: 9447719414  
Email: [tkmurali@govtkktmcollege.ac.in](mailto:tkmurali@govtkktmcollege.ac.in)

**For registration:** [Click here](#)  
or Scan QR Code







### Schedule of the Programme

#### 02.11.2023 (Thursday)

9.30am-10.00am

Registration

10.00am-10.45 am

Inauguration

10.45am-11.00am

Tea Break

#### 11.00am-12.30pm : Session 1



Speaker: Dr. Arvind Ayyer,  
Associate Professor,  
Department of Mathematics,  
IISc Bangalore

Topic: Linear Algebra to the Rescue of  
Combinatorics

12.30pm -1.15 pm:

Lunch Break

#### 1.15pm – 2.45pm : Session 2



Speaker: Dr.Sarath Gopi  
Scientist-F  
NPOL, DRDO

Topic: Linear Algebra in Singal Processing  
and Communication

2.45pm-3.00pm:

Tea Break

#### 3.00pm- 4.30pm : Session 3



Speaker: Dr. R.K. Sunil Kumar  
Assistant Professor,  
Department of Information Technology,  
Kannur University

Topic: Advances in Harmonic Analysis and  
Applications

#### 11.30am-1.00pm: Session 5



Speaker: Dr. Deepak T.G.,  
Professor,  
Department of Mathematics,  
IIST, Thiruvananthapuram

Topic: Markov Chain and its Matrix Representation

1.00pm-1.45pm :

Lunch Break

#### 1.45pm-2.30pm: Paper Presentations

#### 2.30pm-4.00pm: Session 6



Speaker: Dr. Praveen L.,  
Assistant Professor(SG),  
Department of Mathematics,  
Amrita Vishwa Vidyapeetham,  
Coimbatore

Topic: Linear Algebra and Cyber Security

4.00pm -4.30pm:

Valedictory Function

#### 03.11.2023 (Friday)

#### 9.45am-11.15am : Session 4



Speaker: Prof. (Dr.) Indulal G.,  
Principal,  
St. Aloysius College,  
Edathua, Alappuzha

Topic: Linear Algebra in Graph Theory

11.15am-11.30 am:

Tea Break

## Newspaper Report

### കെ.കെ.ടി.എം. ഗവ.കോളജിൽ ഗണിത ശാസ്ത്ര ദ്വിദിന ദേശീയ സെമിനാർ

പാലക്കാട്: കെ.കെ.ടി.എം. ഗവ.കോളജിൽ ഗണിത ശാസ്ത്ര വിഭാഗം ദേശീയ സെമിനാർ ഉദ്ഘാടനം ചെയ്തു. മുസിരിസ് അന്തർദ്ദേശീയ കണക്കുവെർഷൻ സെന്ററിൽ കോളേജ് വിദ്യാഭ്യാസ വകുപ്പിന്റെ സാമ്പത്തിക സഹായത്തോടെ 'ലിനിയർ ആൾജിബ്ര ആന്റ് ആപ്ലിക്കേഷൻസ്' എന്ന വിഷയത്തിൽ നടത്തുന്ന ഈ സെമിനാറിന്റെ ഉദ്ഘാടനം കോയമ്പത്തൂർ അമൃത വിശ്വവിദ്യാപീഠം ഗണിതശാസ്ത്ര വിഭാഗം അസി.പ്രൊഫസർ ഡോ. ഐ. പ്രവീൺ നിർവ്വഹിച്ചു. കോളേജ് പ്രിൻസിപ്പാൾ ഡോ. ബിന്ദു ശർമ്മ കി.കെ. അദ്ധ്യക്ഷത വഹിച്ചു. കോളേജ് ഗണിതശാസ്ത്ര വിഭാഗം അസോ. പ്രൊഫസർ ഡോ. രശ്മി ടി. സ്ഥാനം ആശംസിച്ച ചടങ്ങിൽ, ഗണിത ശാസ്ത്ര വിഭാഗം മേധാവി ഡോ. ലക്ഷ്മി വി.പി. കോളേജ് ഐ.ക്യു.എസ്. കോർഡിനേറ്റർ ഡോ. ലാലി അോർജ്ജ് എന്നിവർ ആശംസകൾ അറിയിച്ചു.



കെ.കെ.ടി.എം. ഗവ.കോളജിൽ ഗണിത ശാസ്ത്ര വിഭാഗം ദേശീയ സെമിനാർ കോയമ്പത്തൂർ അമൃത വിശ്വവിദ്യാപീഠം ഗണിതശാസ്ത്ര വിഭാഗം അസി.പ്രൊഫസർ ഡോ. ഐ. പ്രവീൺ ഉദ്ഘാടനം ചെയ്യുന്നു

സെമിനാർ കോർഡിനേറ്റർ ഗണിത ശാസ്ത്ര വിഭാഗം അസി. പ്രൊഫസർ മുരളി ടി.കെ. ചടങ്ങിൽ തൊട്ടൊഴികെയായി നന്ദി രേഖപ്പെടുത്തി. എൻ.പി.കെ.എൽ സയന്റിസ്റ്റ് ഡോ. ശരത് ഗോപി, എടത്താ സെന്റ് അലോഷ്യസ് കോളേജ് പ്രിൻസിപ്പാൾ പ്രൊഫ. (ഡോ.) ജി.ഇ.എസ്.എസ്. സർവ്വകലാശാലാ ഇൻഫർമേഷൻ ടെക്നോളജി വിഭാഗം അസി. പ്രൊഫസർ ഡോ. സുനിൽ കുമാർ ആർ.കെ., തിരുവനന്തപുരം ഐ.ഐ.എസ്.ടി. ഗണിതശാസ്ത്ര വിഭാഗം പ്രൊഫസർ ഡോ. ദീപക് ടി.ജി. എന്നിവർ രണ്ട് ദിവസങ്ങളിലായി പ്രഭാഷണങ്ങൾ നടത്തും.



Photographs





Thirissur, Kerala, India  
6806+092, Thirissur, Kerala 680663, India  
Lat 10.238931°  
Long 76.211162°  
02/11/23 02:06 PM GMT +05:30

GPS Map Camera



Thirissur, Kerala, India  
6806+092, Thirissur, Kerala 680663, India  
Lat 10.239136°  
Long 76.211049°  
02/11/23 03:13 PM GMT +05:30

GPS Map Camera



Thirissur, Kerala, India  
6806+092, Thirissur, Kerala 680663, India  
Lat 10.239066°  
Long 76.211162°  
02/11/23 10:04 AM GMT +05:30

GPS Map Camera



## 4. Local History Workshop

Department of History successfully accomplished a workshop on local history writing on 3<sup>rd</sup> November of 2023. It generated enthusiasm among the scholar and students on the methods and methodology of local history writing.



## 5. -"Exploring the New Methodological Trends and the Themes in Historical Writing"

The Post Graduate Department of History organized a Two Day National Seminar on the topic **“EXPLORING THE NEW METHODOLOGICAL TRENDS AND THEMES IN HISTORICAL WRITING”** in association with Internal Quality Assurance Cell of the College on 21st and 22nd of November 2023. The Seminar was sponsored by The Directorate of Collegiate Education, Thiruvananthapuram. Venue of the seminar was Muziris Convention Centre. Inaugural Function was conducted at 9.30 a.m on 21st Nov 2023. Inauguration was done by Dr. P.S. Manoj Kumar, Principal, and Sri.C.AchuthaMenon Memorial Govt. College, Thrissur. Principal Dr. Bindu Sharmila T.K presided over the function. Remani K.K, Head of the Department delivered welcome speech and the seminar coordinator Smt. Saritha.V.C presented the Concept Note of the Seminar. Dr.G.Harikrishnan, Assistant Professor, Department of History concluded the session with Vote of thanks.





[https://youtu.be/UJ\\_4\\_VPQXQK?si=PBWGXCT86C\\_A10G](https://youtu.be/UJ_4_VPQXQK?si=PBWGXCT86C_A10G)



## **6. Beyond Lab: How Researchers Impact Social Goods**

A one-day seminar on Research Methodology was jointly organized by the Department of Zoology, Research Committee and IQAC at KKTU Govt. College, Pullut in the audiovisual room of the college. The seminar was inaugurated by the Principal, Dr. Bindu Sharmila T. K. The event was presided over by Dr. Shaji E. M., Head of the Department of Zoology. In her welcome address, Dr. Seema Menon, Zoology faculty member and Research Committee Coordinator, greeted the attendees. The seminar saw felicitations from Dr. G. Ushakumary, Vice Principal, and Dr. Lovely George, IQAC Coordinator, who extended their best wishes for the event. Dr. Aneesh E. M., faculty member of the Zoology Department, University of Calicut, Thenhipalam and Coordinator of the Research Methodology Training Center, conducted an insightful session on the topic "Research Beyond Laboratories for Human Welfare." Drawing

from his years of dedication and numerous contributions to the field, Dr. Aneesh emphasized the significance of curiosity, persistence, and critical thinking in successful research endeavors.

## **7. LED Christmas Star Making Workshop Organized by the Department of History and Physics**

The Department of History and Physics at KKTm Govt. College, in collaboration with NSS, IQAC, and the Science Forum, organized a workshop on making LED Christmas stars.

The event took place on the occasion of the National Energy Conservation Day and aimed to impart

practical skills to students while promoting energy-efficient practices. A total of **30 students from**

**various departments** actively participated in the workshop, gaining hands-on experience in creating LED Christmas stars.

The workshop was inaugurated by Dr. Bindu Sharmila T K, the Principal of KKTm Govt. College. The event was graced by the presence of Dr. Remani K K, HOD History, Dr. Lovely George, HOD Physics, and Sri. Balaji M N, NSS Coordinator, who felicitated the gathering.

The workshop was led by a team of experienced individuals, including Dr. Dhanya N P, Assistant Professor in Physics, and students from the third year BSc Applied Physics program—Ajmalsha C A, Amjith M G, Akram P S, Midhunkrishna M K.

During the workshop, participants were enlightened on various aspects related to green energy consumption, sustainable energy resources, self-employability, skill enhancement, and interdisciplinary teaching-learning approaches. The aim was to not only teach the art of creating LED Christmas stars but also to instill a sense of responsibility towards energy conservation.

The LED Christmas star making workshop proved to be a successful and enriching event, providing students with both practical skills and valuable insights into the broader concepts of energy conservation. The collaboration between the departments of History and Physics, along with the support of NSS, IQAC, and the Science Forum, contributed to the holistic learning experience of the participants.



## **8. ENTOMOLOGY IN FORENSIC SCIENCE**

The meeting commenced with the welcome note by Dr. Seema Menon, Assistant professor of the department followed by the presidential address by Dr. Shaji E.

M., Head of the Zoology Department. The official inauguration of the association was done by Dr. Bindu Sharmila T.K., Principal of the college. Following the inauguration, Afrin Sona A. S., Assistant Professor from the Department of Forensic Science at the University of Calicut, delivered an insightful talk on the application of entomology in forensic science. Afrin Sona A. S. emphasized the critical role of entomology in forensic investigations. She discussed how insects can be pivotal in solving criminal cases, particularly in determining the time of death through the study of insect life cycles on decomposing bodies. The program was further enriched by the felicitations from Dr. Lovely George, IQAC Coordinator, and Dr. G. Ushakumari, Vice Principal. Mr. Prasad N. K., Assistant Professor of the department, delivered the vote of thanks.





## 9. HANDS-ON TRAINING PROGRAMME ON ROOF TOP FARMING

The Department of Zoology and Bhoomitrasena organized a hands-on training programme on rooftop farming for college students. The initiative aimed to educate and empower students with practical knowledge and skills for sustainable urban agriculture practices, particularly rooftop farming, which is gaining popularity as an innovative solution to urban food security and environmental sustainability. The event commenced with a welcome speech by Shri Prasad N. K., Assistant professor of Zoology, who emphasized the importance of adopting sustainable agricultural practices in urban settings. The inaugural address was delivered by Dr. Bindu Sharmila T. K., Principal of KKTMM Government College. Dr. Bindu Sharmila officially inaugurated the programme, stressing the importance of practical training in complementing theoretical knowledge. Dr. Seema Menon, Assistant professor of Zoology, felicitated over the function. The core of the programme was the hands-on training session conducted by Mr. Cibin J. Das, a research scholar from Kerala Agricultural University, Mannuthy. Mr. Das began with an introductory lecture on the basics of roof top farming, covering essential topics such as suitable crops, soil preparation, irrigation techniques, pest management, and the benefits of urban farming. The practical segment of the training involved a step-by-step demonstration of setting up a rooftop farming .

